



The University of Akron
2017 - 2018
Undergraduate Bulletin



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ABOUT THE BULLETIN

Inquiries

Address inquiries concerning:

Admissions "information", campus tours, and transfer of credits to the Office of Admissions, The University of Akron, Akron, OH, 44325-2001. (330) 972-7100, or toll-free, (800) 655-4884. FAX (330) 972-7022.

Financial aid, scholarships, and loans to the Office of Student Financial Aid, The University of Akron, Akron, OH 44325-6211. (330) 972-7032. Toll free (800) 621-3847. Fax (330) 972-7139.

Athletics to the Director of Athletics, The University of Akron, Akron, OH, 44325-5201. (330) 972-7080.

Registration, records, graduation, DARS, scheduling and Ohio Residency to the Office of the University Registrar, The University of Akron, Akron, OH 44325-6208. (330) 972-8300.

Graduate study to the Graduate School, The University of Akron, Akron, OH 44325-2101. (330) 972-7663.

The University switchboard number is (330) 972-7111.

Accredited By

Higher Learning Commission
Dr. Barbara Gellman-Danley, President
230 S. LaSalle Street, Suite 7-500
Chicago, IL 60604
800-621-7440

www.ncahigherlearningcommission.org (<http://www.ncahigherlearningcommission.org>)

For information on accreditation or to review copies of the accreditation documents, contact the Vice Provost for Academic Programs and Operations, The University of Akron, Buchtel Hall 106, Akron, OH 44325-4703; (330) 972-8584.

Disclaimer

While every effort is made to provide accurate and up-to-date information, the University reserves the right to change, without notice, statements in the Bulletin series which include, but are not limited to rules, policies, procedures, fees, curricula, courses, programs, activities, services, schedules, course availability, or other matters. For example, programs may be modified due to limited resources or facilities, unavailability of faculty, insufficient enrollment, or other such reasons as the University deems necessary.

Please note that editions of this Undergraduate Bulletin prior to 1994-95 were titled the "General Bulletin."

Equal Education and Employment Institution

Operating under nondiscrimination provisions of Titles VI, VII, of the Civil Rights Act of 1964 as amended and IX of the Educational Amendments of 1972 as amended. Executive Order 11246, Vocational Rehabilitation Act Section 504, Vietnam Era Veterans' Readjustment Act, and Americans with Disabilities Act of 1990 as related to admissions, treatment of students, and employment practices. It is the policy of this institution that there shall be no unlawful discrimination against any individual at The University of Akron because of race, color, creed, sex, age, national

origin, handicap/disability or status as a veteran. The University of Akron will not tolerate sexual harassment of any form in its programs and activities, and prohibits discrimination on the basis of sexual orientation in employment and admissions. The nondiscrimination policy applies to all students, faculty, staff, employees and applicants. Complaints of possible sex and other forms of discrimination should be referred to:

EEO/AA Office

Belinda Parker, EEO/AA Specialist

ASB, Room 138A
Akron, OH 44325-4709
Phone: (330) 972-7300

<http://www.uakron.edu/title-ix/>

Title IX - Policy Information and inquiries concerning the application of Title IX

Mark Stasitis, Title IX Coordinator, ASB, Room 125N, (330) 972-2352

Title IX - Issues for Students

Michael Strong, Deputy Title IX Coordinator for Students, Student Union, Room 152, (330) 972-6048

Mary Lu Gribshaw, Deputy Title IX Coordinator for Athletics, JAR 183, (330) 972-7080

Dale Adams, Director, Student Conduct and Community Standards, Simmons Hall 302, (330) 972-2580

Title IX - Issues for Employees

Bethany Prusky, Deputy Title IX Coordinator for Employees, ASB 125L, (330) 972-6195

or

The United States Department of Education, Office of Civil Rights Policy Information on the Americans with Disabilities Act may be obtained from

ADA Coordinator
ASB 125C
Phone: (330) 972-5146

The *Undergraduate Bulletin* is published once each year by the Office of the Senior Vice President and Provost, Buchtel Hall 102.

My Akron ([//my.uakron.edu](http://my.uakron.edu)) Virtual Tour Calendars ([/calendar/](http://calendar/)) Maps ([//maps.uakron.edu](http://maps.uakron.edu))
 Jobs ([/jobs/](http://jobs/)) Giving ([/giving/](http://giving/))



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The University of Akron

Office of the University Registrar

(/registrar)

The University of Akron Academic Calendar

Graduate | Undergraduate

[Download a pdf of the academic calendar \(/registrar/docs/AcadCal.pdf\)](http://registrar/docs/AcadCal.pdf)

Term	Event	Career	2017-2018	2018-2019
Fall	Start of term	G/U	Aug 28, 2017	Aug 27, 2018
Fall	15 week, 1st 7.5 week, and 1st 5 week sessions begin	G/U	Aug 28, 2017	Aug 27, 2018
Fall	Last day to add 1st 5 week session classes without signatures	G/U	Aug 29, 2017	Aug 28, 2018
Fall	Last day to add 1st 7.5 week session classes without signatures	G/U	Aug 30, 2017	Aug 29, 2018
Fall	Last day to drop 1st 5 week session classes without "WD"	G/U	Sep 1, 2017	Aug 31, 2018
Fall	Last day to add 15 week session classes without signatures	G/U	Sep 3, 2017	Sep 2, 2018
Fall	Last day to drop 1st 7.5 week session classes without "WD"	G/U	Sep 3, 2017	Sep 2, 2018
Fall	Labor Day holiday - University closed	G/U	Sep 4, 2017	Sep 3, 2018
Fall	Last day to drop 15 week session classes without "WD"	G/U	Sep 10, 2017	Sep 9, 2018

Fall	Last day to withdraw from 1st 5 week session classes	G/U	Sep 12, 2017	Sep 11, 2018
Fall	Last day to withdraw from 1st 7.5 week session classes	G/U	Sep 19, 2017	Sep 18, 2018
Fall	1st 5 week session ends	G/U	Oct 1, 2017	Sep 30, 2018
Fall	2nd 5 week session begins	G/U	Oct 2, 2017	Oct 1, 2018
Fall	Last day to add 2nd 5 week session classes without signatures	G/U	Oct 3, 2017	Oct 2, 2018
Fall	Last day to drop 2nd 5 week session classes without "WD"	G/U	Oct 6, 2017	Oct 5, 2018
Fall	Last day to withdraw from 15 week session classes	G/U	Oct 15, 2017	Oct 14, 2018
Fall	1st 7.5 week session ends	G/U	Oct 17, 2017	Oct 16, 2018
Fall	Last day to withdraw from Fall 2nd 5 week session classes	G/U	Oct 17, 2017	Oct 16, 2018
Fall	2nd 7.5 week session begins	G/U	Oct 18, 2017	Oct 17, 2018
Fall	Last day to add 2nd 7.5 week session classes without signatures	G/U	Oct 21, 2017	Oct 20, 2018
Fall	Last day to drop 2nd 7.5 week session classes without "WD"	G/U	Oct 25, 2017	Oct 23, 2018
Spring	Priority registration begins	G/U	Oct 30, 2017	Oct 29, 2018
Fall	Graduation application deadline	G	Nov 1, 2017	Nov 1, 2018
Fall	2nd 5 week session ends	G/U	Nov 5, 2017	Nov 4, 2018
Fall	3rd 5 week session begins	G/U	Nov 6, 2017	Nov 5, 2018
Fall	Last day to add 3rd 5 week session classes without signatures	G/U	Nov 7, 2017	Nov 6, 2018
Fall	Veteran's Day observance - Staff holiday, classes held	G/U	Nov 10, 2017	
Fall	Last day to drop 3rd 5 week session classes without "WD"	G/U	Nov 10, 2017	Nov 9, 2018
Fall	Last day to withdraw from 2nd 7.5 week session classes	G/U	Nov 11, 2017	Nov 10, 2018
Fall	Last day to withdraw from 3rd 5 week session classes	G/U	Nov 21, 2017	Nov 20, 2018

Fall	Thanksgiving recess - University closes at 5:00pm on Wednesday	G/U	Nov 23-26, 2017	Nov 22-25, 2018
Spring	Graduation application deadline	U	Dec 1, 2017	Dec 1, 2018
Fall	Final instructional day	G/U	Dec 10, 2017	Dec 9, 2018
Fall	15 week, 2nd 7.5 week, and 3rd 5 week sessions end	G/U	Dec 10, 2017	Dec 9, 2018
Fall	Final examinations	G/U	Dec 11-17, 2017	Dec 10-16, 2018
Fall	Commencement	G/U	Dec 15-16, 2017	Dec 15, 2018
Fall	Final grades due	G/U	Dec 19, 2017	Dec 18, 2018
	Christmas Holiday observance - University closed	G/U	Dec 25, 2017	Dec 25, 2018
	New Year's Day observance - University closed	G/U	Jan 1, 2018	Jan 1, 2019
	Audit 60+ in-person registration	G/U	Jan 11-12, 2018	Jan 10-11, 2019
	Martin Luther King Jr. Day observance - University closed	G/U	Jan 15, 2018	Jan 21, 2019
Spring	Start of term	G/U	Jan 16, 2018	Jan 14, 2019
Spring	15 week, 1st 7.5 week, and 1st 5 week sessions begin	G/U	Jan 16, 2018	Jan 14, 2019
Spring	Last day to add 1st 5 week session classes without signatures	G/U	Jan 17, 2018	Jan 15, 2019
Spring	Last day to add 1st 7.5 week session classes without signatures	G/U	Jan 18, 2018	Jan 16, 2019
Spring	Last day to drop 1st 5 week session classes without "WD"	G/U	Jan 20, 2018	Jan 18, 2019
Spring	Last day to add 15 week session classes without signatures	G/U	Jan 22, 2018	Jan 20, 2019
Spring	Last day to drop 1st 7.5 week session classes without "WD"	G/U	Jan 22, 2018	Jan 20, 2019
Spring	Last day to drop 15 week session classes without "WD"	G/U	Jan 29, 2018	Jan 27, 2019
Spring	Last day to withdraw from 1st 5 week session classes	G/U	Jan 30, 2018	Jan 29, 2019

Spring	Last day to withdraw from 1st 7.5 week session classes	G/U	Feb 7, 2018	Feb 5, 2019
Spring	1st 5 week session ends	G/U	Feb 18, 2018	Feb 17, 2019
Spring	2nd 5 week session begins	G/U	Feb 19, 2018	Feb 18, 2019
Spring	President's Day observance (School of Law classes held)	G/U	Feb 20, 2018	Feb 19, 2019
Spring	Last day to add 2nd 5 week session classes without signatures	G/U	Feb 20, 2018	Feb 19, 2019
Spring	Last day to drop 2nd 5 week session classes without "WD"	G/U	Feb 23, 2018	Feb 22, 2019
Spring	Last day to withdraw from 15 week session classes	G/U	Mar 4, 2018	Mar 3, 2019
Spring	1st 7.5 week session ends	G/U	Mar 6, 2018	Mar 5, 2019
Spring	Last day to withdraw from 2nd 5 week session classes	G/U	Mar 6, 2018	Mar 5, 2019
Spring	2nd 7.5 week session begins	G/U	Mar 7, 2018	Mar 6, 2019
Spring	Last day to add 2nd 7.5 week session classes without signatures	G/U	Mar 10, 2018	Mar 9, 2019
Summer	Priority registration begins	G/U	Mar 12, 2018	TBD
Spring	Last day to drop 2nd 7.5 week session classes without "WD"	G/U	Mar 13, 2018	Mar 12, 2019
Spring	2nd 5 week session ends	G/U	Mar 25, 2018	Mar 24, 2019
Spring	Spring recess	G/U	Mar 26-Apr 1, 2018	Mar 25-Mar 31, 2019
Spring	Graduation application deadline	G	Apr 1, 2018	Apr 1, 2019
Summer	Graduation application deadline	U	Apr 1, 2018	Apr 1, 2019
Fall	Priority registration begins	G/U	Apr 2, 2018	TBD
Spring	3rd 5 week session begins	G/U	Apr 2, 2018	Apr 1, 2019
Spring	Last day to add 3rd 5 week session classes without signatures	G/U	Apr 3, 2018	Apr 2, 2019
Spring	Last day to drop 3rd 5 week session classes without "WD"	G/U	Apr 6, 2018	Apr 5, 2019

Spring	Last day to withdraw from 2nd 7.5 week session classes	G/U	Apr 7, 2018	Apr 6, 2019
Spring	Last day to withdraw from 3rd 5 week session classes	G/U	Apr 17, 2018	Apr 16, 2019
Spring	Final instructional day	G/U	May 6, 2018	May 5, 2019
Spring	15 week, 2nd 7.5 week, and 3rd 5 week sessions end	G/U	May 6, 2018	May 5, 2019
Spring	Final examinations	G/U	May 7-13, 2018	May 6-12, 2019
Spring	Commencement	G/U	May 11-13, 2018	May 10-12, 2019
Spring	Final grades due	G/U	May 15, 2018	May 14, 2019
	Audit 60+ in-person registration	G/U	May 17-18, 2018	May 16-17, 2019
Summer	Intersession and 1st 8 week session begin	G/U	May 21, 2018	May 20, 2019
Summer	Last day to add intersession classes without signatures	G/U	May 21, 2018	May 20, 2019
Summer	Last day to drop intersession classes without "WD"	G/U	May 23, 2018	May 22, 2019
Summer	Last day to add 1st 8 week session classes without signatures	G/U	May 24, 2018	May 23, 2019
Summer	Memorial Day observance - University closed	G/U	May 28, 2018	May 27, 2019
Summer	Last day to drop 1st 8 week session classes without "WD"	G/U	May 28, 2018	May 27, 2019
Summer	Last day to withdraw from intersession classes	G/U	May 29, 2018	May 28, 2019
Summer	Intersession ends	G/U	Jun 10, 2018	Jun 9, 2019
Summer	1st 5 week and 2nd 8 week sessions begin	G/U	Jun 11, 2018	Jun 10, 2019
Summer	Last day to add 1st 5 week session classes without signatures	G/U	Jun 12, 2018	Jun 11, 2019
Summer	Last day to add 2nd 8 week session classes without signatures	G/U	Jun 14, 2018	Jun 13, 2019

Summer	Last day to drop 1st 5 week session classes without "WD"	G/U	Jun 15, 2018	Jun 14, 2019
Summer	Last day to withdraw from 1st 8 week session classes	G/U	Jun 15, 2018	Jun 14, 2019
Summer	Last day to drop 2nd 8 week session classes without "WD"	G/U	Jun 18, 2018	Jun 17, 2019
Summer	Last day to withdraw from 1st 5 week session classes	G/U	Jun 26, 2018	Jun 25, 2019
Summer	Graduation application deadline	G	Jul 1, 2018	Jul 1, 2019
Fall	Graduation application deadline	U	Jul 1, 2018	Jul 1, 2019
Summer	Independence Day observance - University closed	G/U	Jul 4, 2018	Jul 4, 2019
Summer	Last day to withdraw from 2nd 8 week session classes	G/U	Jul 6, 2018	Jul 5, 2019
Summer	1st 5 week and 1st 8 week sessions end	G/U	Jul 15, 2018	Jul 14, 2019
Summer	2nd 5 week session begins	G/U	Jul 16, 2018	Jul 15, 2019
Summer	Last day to add 2nd 5 week session classes without signatures	G/U	Jul 17, 2018	Jul 16, 2019
Summer	Last day to drop 2nd 5 week session classes without "WD"	G/U	Jul 20, 2018	Jul 19, 2019
Summer	Last day to withdraw from 2nd 5 week session classes	G/U	Jul 31, 2018	Jul 30, 2019
Summer	2nd 8 week session ends	G/U	Aug 5, 2018	Aug 4, 2019
Summer	2nd 5 week session ends	G/U	Aug 19, 2018	Aug 18, 2019
Summer	Final grades due	G/U	Aug 21, 2018	Aug 20, 2019
	Audit 60+ in-person registration	G/U	Aug 24-24, 2018	TBD

Information For:

Future Students (/admissions)

Accepted Students (/audiences/accepted_students/)

Alumni & Friends (/alumni-friends/)

Current Students (/audiences/current_students/)

IMPORTANT POLICIES

Intent to Enroll and New Student Orientation

<http://www.uakron.edu/nso/>

Phone – 330-972-2622

Email – orientation@uakron.edu

The University of Akron requires students to submit an 'Intent to Enroll' form, indicating their acceptance of the University's offer of Admission, and a \$145 University Confirmation fee. When the Intent to Enroll form and Confirmation fee are received, students are emailed their advising and registration information. This email includes their assigned dates to attend New Student Orientation: Advising & Registration, a full-day program where they meet with their academic advisors and register for classes. They also receive full student access to UA's online services, where they can view their class schedules, financial information, grades, and more.

All new freshmen, transfer students and students enrolled in the College Credit Plus program are required to attend an orientation program prior to registering for classes at The University of Akron. Orientation is conducted as a one-day program and is intended to ensure a smooth transition to the University. Content includes information about academic policies and procedures, registration and financial responsibility, and campus involvement. The weekend before classes begin, all incoming freshmen are also encouraged to attend New Roo Weekend for a chance to meet the rest of the incoming class, find out about campus involvement opportunities, and kick off their Akron Experience.

Multiple orientation sessions are available prior to each term and are filled on a first come, first served basis. Students should attend orientation as soon as possible to ensure the best selection of classes.

Academic Advising

New students are required to meet with academic advisors upon initial entry to the University and throughout the first year. Thereafter, academic advisors continue to serve as a resource for students to discuss degree requirements, career goals, major choice, course selection and other academic concerns.

Registration

Each term it is necessary for a student to select courses, formally register for those courses, and pay the appropriate tuition and fees. The student must register online via My Akron (<https://my.uakron.edu>).

Student Enrollment Status

Status Undergraduate Credit Hours

Full-time 12 or more hours

Three Quarter-time 9-11.99 hours

Half-time* 6-8.99 hours

Less than half-time 0.5-5.99 hours

*For undergraduate aid award determination purposes, a three-quarter time student is registered for 9 - 11.99 credit hours.

Courses from which a student withdraws and receives a grade of 'WD' will not count in enrolled hours when determining a student's enrollment status.

Students are strongly encouraged to contact their lenders to determine continued eligibility for loan deferments before taking an action that will impact their enrollment status.

Level Status

The level status of each student is dependent upon the number of credit hours earned. The University identifies the following levels:

Will be Designated If the Overall Credits Earned Are

Senior 90 credit hours or higher

Junior 60-89.99 credit hours earned

Sophomore 30-59.99 credit hours earned

Freshman 0-29.99 credit hours earned

Class Attendance

A student is expected to attend all class meetings for which the student is registered. A student may be dropped from a course in the current term by the dean if absence is repeated and the instructor recommends this action; a student can gain re-admission only with permission of both the instructor and the dean. A student dropped from a course receives an "F" which counts as work attempted whenever grade- point ratio calculations are made.

Student Schedules

Adding Courses

A student must register for a course in person before the end of the fifth day of a fall or spring term or online via MyAkron at <http://my.uakron.edu> by the end of the first week of the fall or spring term. Additions to the student's official schedule may be made after that date, but before the 15th calendar day, only with the permission of the student's advisor, instructor and dean or the dean's designee. Students who have not registered by this deadline may not attend classes or receive credit for the course. This deadline applies to all regular 15-week courses offered in the fall and spring semesters. For all other courses, such as those in intersessions or those which are flexibly scheduled, courses must be added, with appropriate permission, by the date when 20% of the course has been completed. Details regarding Summer session information may be found via MyAkron at <http://my.uakron.edu>.

Withdrawal Policy

<http://www.uakron.edu/dotAsset/bb5231f6-186f-4777-ae6f-73c834d21dde.pdf>

Phone – 330-972-8300

Email – registrar@uakron.edu

Students may drop a course through the second week (14th calendar day) of a semester or proportionally equivalent dates during summer session, intersession, and other course terms. No record of the course will appear on the student's transcript. For purposes of this policy, the course term for a course that meets during a semester but begins after the beginning of a semester and/or ends before the end of a semester begins when its class meetings begin and ends when its class meetings end. After the 14-day drop period, and subject to the limitations below, students may withdraw from a course through the seventh week (49th calendar day) of a semester or proportionally equivalent dates during summer session, intersession, or other course terms. A course withdrawal will be indicated on the student's official academic record by a grade of "WD."

Withdrawing from courses – applicable to undergraduate students only:

1. Undergraduate students may not withdraw from the same course more than twice. If a student attempts to withdraw from a course after having withdrawn from it twice before, he or she will continue to be enrolled in the course and will receive a grade at the end of the semester.
2. Full-time undergraduate students who need to withdraw from all courses for extraordinary non-academic reasons (e.g., medical treatment or convalescence, military service) must obtain the permission of the dean of their college. For purposes of this paragraph:
 - a) Students are considered full-time if they were enrolled as full-time students at the beginning of the term; and b) Courses for which the student has completed all requirements are excluded.
3. Undergraduate students who withdraw from two courses either before they have earned 30 credits, or after they have earned 30 credits but before they have earned 60 credits, are not permitted to register for additional courses until they have consulted with their academic advisor. The purpose of this consultation is to discuss the reasons for the course withdrawals and to promote satisfactory academic progress by helping students develop strategies to complete their courses successfully.
4. Except as otherwise provided below, undergraduate students may not withdraw from more than four courses before they have earned 60 credits. Students who attempt to withdraw from more than four courses will continue to be enrolled in those courses and will receive grades at the end of the semester.
5. Undergraduate students who need to withdraw from all courses for extraordinary, non-academic reasons (e.g. medical treatment or convalescence, military service) may, after consulting with their advisor, submit a written petition to the dean of their college requesting that these courses not be counted toward the four-course withdrawal limit. The dean may grant this permission if, in the dean's judgment, it is consistent with the best academic interests of the student and the best interests of the University.
6. Undergraduate students who have reached the four-course withdrawal limit as noted above may, after consultation with their advisor, submit a written petition to the dean of their college seeking permission to withdraw from one or more additional courses. The dean may grant this permission if the dean finds that the withdrawal is necessitated by circumstances beyond the student's control and is consistent with the best academic interests of the student and the best interests of the University.
7. Withdrawing from a course shall not reduce or prevent a penalty accruing to a student for misconduct as defined in the Student Code of Conduct.
8. Degree granting colleges may supplement this policy with more stringent requirements.

AP INFORMATION

AP Exam	AP Score	Course(s) Awarded	Credits Awarded
Art History	3	7100:210, Visual Arts Awareness	3
	4 or 5	7100:100, Survey of History of Art I 7100:101, Survey of History of Art II	3
Biology	3	3100:103, Natural Science: Biology	4
	4	3100:100, Introduction of Botany	4
	5	3100:103, Natural Science: Biology 3100:111, Principles of Biology I 3100:112, Principles of Biology II	4
Calculus AB	3, 4, or 5	3450:221, Analytic Geometry-Calculus I	4
Calculus BC*	3, 4, or 5	3450:221, Analytic Geometry-Calculus I	4
		3450:222, Analytic Geometry-Calculus II	4
Capstone Research	3, 4, or 5	General Elective	3
Capstone Seminar	3, 4, or 5	General Elective	3
Chemistry	3	3150:101, Chemistry for Everyone	4
	4 or 5	3150:151, Principles of Chemistry I 3150:152, Principles of Chemistry I lab	3
Chinese Language and Culture	3	3502:101, Beginning Chinese I	4
	4	3502:102, Beginning Chinese II 3502:101, Beginning Chinese I	4

		3502:102, Beginning Chinese II	4
		3502:201, Intermediate Chinese I	3
5		3502:101, Beginning Chinese I	4
		3502:102, Beginning Chinese II	4
		3502:201, Intermediate Chinese I	3
		3502:202, Intermediate Chinese II	3
Comparative Government & Politics	3	General Education Social Science	3
	4 or 5	3700:300, Comparative Politics	4
Computer Science A	3 or 4	3460:209, Computer Science I	4
	5	3460:209, Computer Science I	4
		3460:210, Computer Science II	4
Computer Science AB	3 or 4	3460:209, Computer Science I	4
	5	3460:209, Computer Science I 3460:210, Computer Science II	4
Computer Science Principles	3, 4, or 5	3460:101, Essentials of Computer Science	3
	English Language 3, 4, or 5	3300:111, English Composition I	3
English Literature 3, 4, or 5		3300:111, English Composition I	3
English Language & English Literature	3, 4, or 5	3300:111, English Composition I and	3
		3300:112, English Composition II	3

2 AP Information

Environmental Science	3, 4, or 5	3370:211, Introduction to Environmental Science	3
European History	3	General Education Social Sciences	3
	4 or 5	General Education Social Sciences	3
		General Education Humanities	3
French Language	3	3520:101, Beginning French I	4
		3520:102, Beginning French II	4
	4	3520:101, Beginning French I	4
		3520:102, Beginning French II	4
		3520:201, Intermediate French I	3
	5	3520:101, Beginning French I	4
		3520:102, Beginning French II	4
		3520:201, Intermediate French I	3
		3520:202, Intermediate French II	3
French Literature	3	3520:101, Beginning French I	4
		3520:102, Beginning French II	4
		3520:201, Intermediate French I	3
	4 or 5	3520:101, Beginning French I	4
		3520:102, Beginning French II	4
		3520:201, Intermediate French I	3

		3520:202, Intermediate French II	3
German Language	3	3530:101, Beginning German I	4
		3530:102, Beginning German II	4
	4	3530:101, Beginning German I	4
		3530:102, Beginning German II	4
		3530:201, Intermediate German I	3
	5	3530:101, Beginning German I	4
		3530:102, Beginning German II	4
		3530:201, Intermediate German I	3
		3530:202, Intermediate German II	3
Human Geography	3, 4, or 5	3350:275, Geography of Cultural Diversity	2
Italian Language and Culture	3	3550:101, Beginning Italian I	4
		3550:102, Beginning Italian II	4
	4	3550:101, Beginning Italian I	4
		3550:102, Beginning Italian II	4
		3550:201, Intermediate Italian I	3
	5	3550:101, Beginning Italian I	4
		3550:102, Beginning Italian II	4
		3550:201, Intermediate Italian I	3

		3550:202, Intermediate Italian II	3			3510:102, Beginning Latin II	4
Japanese Language and Culture	3	3560:101, Beginning Japanese I	4			3510:201, Intermediate Latin I	3
		3560:102, Beginning Japanese II	4	5		3510:101, Beginning Latin I	4
	4	3560:101, Beginning Japanese I	4			3510:102, Beginning Latin II	4
		3560:102, Beginning Japanese II	4			3510:201, Intermediate Latin I	3
	5	3560:201, Intermediate Japanese I	3	Latin: Vergil	3	3510:202, Intermediate Latin II	3
		3560:101, Beginning Japanese I	4			3510:101, Beginning Latin I	4
		3560:102, Beginning Japanese II	4			3510:102, Beginning Latin II	4
	5	3560:201, Intermediate Japanese I	3		4	3510:101, Beginning Latin I	4
		3560:202, Intermediate Japanese II	3			3510:102, Beginning Latin II	4
Latin	3	3510:101, Beginning Latin I	4			3510:201, Intermediate Latin I	3
		3510:102, Beginning Latin II	4			3510:101, Beginning Latin I	4
	4	3510:101, Beginning Latin I	4			3510:102, Beginning Latin II	4
		3510:102, Beginning Latin II	4			3510:201, Intermediate Latin I	3
	5	3510:201, Intermediate Latin I	3	Macroeconomics	3, 4 or 5	3250:201, Principles of Macroeconomics	3
		3510:101, Beginning Latin I	4	Microeconomics	3, 4 or 5	3250:200, Principles of Microeconomics	3
		3510:102, Beginning Latin II	4	Music Theory	3	General Elective	3
	4	3510:201, Intermediate Latin I	3		4 or 5	7500:121, Theory and Musicianship I	4
		3510:202, Intermediate Latin II	3	Physics 1	3, 4 or 5	2820:160, Technical Physics: Mechanics	4
Latin Literature	3	3510:101, Beginning Latin I	4	Physics 2	3, 4 or 5	2820:163, Technical Physics: Electricity and Magnetism	2
		3510:102, Beginning Latin II	4				
	4	3510:101, Beginning Latin I	4				

		2820:164, Technical Physics: Heat and Light	2
Physics B	3, 4 or 5	2820:160, Tech Physics: Mech	4
		2820:163, Tech Physics: Electricity & Magnetism/lab	2
		2820:164, Tech Physics: Heat and Light/lab	2
Physics C: Electricity & Magnetism	3, 4 or 5	3650:292, Elem. Classical Physics II	4
Physics C: Mechanics	3, 4 or 5	3650:291, Elem. Classical Physics I	4
Psychology	3, 4 or 5	3750:100, Introduction to Psychology	3
Spanish Language	3	3580:101, Beginning Spanish I	4
		3580:102, Beginning Spanish II	4
	4	3580:101, Beginning Spanish I	4
		3580:102, Beginning Spanish II	4
		3580:201, Intermediate Spanish I	3
	5	3580:101, Beginning Spanish I	4
		3580:102, Beginning Spanish II	4
		3580:201, Intermediate Spanish I	3
		3580:202, Intermediate Spanish II	3
Spanish Literature	3	3580:101, Beginning Spanish I	4
		3580:102, Beginning Spanish II	4
		3580:201, Intermediate Spanish I	3

	4 or 5	3580:101, Beginning Spanish I	4
		3580:102, Beginning Spanish II	4
		3580:201, Intermediate Spanish I	3
		3580:202, Intermediate Spanish II	3
Statistics	3, 4 or 5	3470:261, Introductory Statistics I	2
		3470:262, Introductory Statistics II	2
Studio Art: 2-D Design	3, 4 or 5	7100:xxx, Studio Elective	3
Studio Art: 3-D Design	3, 4 or 5	7100:xxx, Studio Elective	3
Studio Art: Drawing	3, 4 or 5	7100:xxx, Studio Elective	3
U.S. Government & Politics	3, 4, or 5	3700:100, Government & Politics in the US	3
U.S. History	3, 4, or 5	3400:250, United States History to 1877	4
		3400:251, United States History Since 1877	4
World History	3	General Education Humanities	3
	4 or 5	General Education Humanities	6

* Students who intend to major in a STEM discipline and earn a 3 on the Calculus BC exam should consult with an advisor prior to accepting the credits

ALTERNATIVE CREDIT OPTIONS

American Council on Education's College Credit Recommendation

The University of Akron accepts the American Council on Education's College Credit Recommendation Service (CREDIT). CREDIT evaluates and makes credit recommendations for formal educational programs and courses offered by organizations including business and industry, labor unions, professional and voluntary associations, schools, training suppliers, and government agencies. The program is based on the idea that it is sound educational practice for colleges and universities to grant academic credit for high-quality educational programs conducted by a variety of organizations provided that the courses are appropriate to an individual's degree program.

Advanced Placement Credit

Many high schools offer Advanced Placement courses through the auspices of the College Board for possible college credit. By enrolling in such courses during high school and taking Advanced Placement Tests at the end of each course, high school students may earn undergraduate credits in a number of different academic areas. The test score required to receive credit for a specific course is determined by the Ohio Board of Regents and the Academic Department in which the course resides. Credits earned in this manner are included in the total credits completed, but are not assigned a grade and do not count in the quality point ratio, class standing, or graduation with honors calculations. Students must take the tests while they are in high school. It is not possible to take the tests once a student is enrolled at The University of Akron. The State of Ohio, working through the University System of Ohio, has initiated policies to facilitate the ease of transition from high school to college as well as between and among Ohio's public colleges and universities.

Beginning in the Fall term 2009

- Students obtaining an Advanced Placement (AP) exam score of 3 or above will be awarded the aligned course(s) and credits for the AP exam area(s) successfully completed
- Credits received will be applied toward graduation and may also satisfy a General Education or Honor's Distribution requirement if the course(s), to which the AP area is equivalent, fulfill those requirements
- If an equivalent course is not available for the AP exam area completed, elective or area credit will be awarded in the appropriate academic discipline and will be applied toward graduation where such elective credit options exist within the academic major
- Additional courses or credits may be available when a score of 4 or 5 is obtained. Award of credit for higher score values varies depending on the institution and academic discipline
- In academic disciplines containing highly dependent sequences (Sciences, Technology, Engineering and Mathematics –STEM) students are strongly advised to confer with their academic advisor to ensure they have the appropriate foundation to be successful in advanced coursework within the sequence. The advanced placement table (<https://bulletin.uakron.edu/undergraduate/important-policies/ap-information>) lists disciplines available for Advanced Placement Testing, scores required for accruing credit and courses at The University of Akron for which credit may be earned For questions

concerning Advanced Placement Credit call 330-972-7066 or 330-972-7425.

Bypassed Credit

Certain courses designated in this bulletin by each academic department enable a student to earn "bypassed" credit. A student who completes such a course with a grade of "C" or better is entitled to credit for designated prerequisite courses which carry the same departmental code number. Credit for such bypassed prerequisite shall be included in the total credits earned, but shall not count in the quality point ratio, or class standing, or hours required for graduation with honors. Bypassed credit is not awarded on the basis of completing a course either by credit-by-examination or credit/noncredit.

College of Applied Science and Technology

Discipline	Course	Prerequisite	Approved for Bypass Credit
Computer Information Systems	2440:202	2440:201	2440:201
	2440:203	2440:201	2440:201
	2440:204	2440:202 & 2440:203	2440:201, 2440:202, & 2440:203
	2440:400	2440:201 & 2440:204	2440:201, 2440:202, 2440:203, & 2440:204
English	2020:222	2020:121	2020:121
Mathematics	2030:152	2030:151	2030:151
	2030:153	2030:152	2030:151 & 2030:152
	2030:154	2030:153	2030:152 & 2030:153
	2030:161	2030:151	2030:151
	2030:255	2030:154	2030:152, 2030:153 & 2030:154
	2030:356	2030:255	2030:154 & 2030:255

Buchtel College of Arts and Sciences

Discipline	Course	Prerequisite	Approved for Bypass Credit
Economics	3250:400	3250:201	3250:201
	3250:410	3250:200	3250:200
English	3300:112	3300:111	3300:111
Geography and Planning	3350:314	3350:310	3350:310
	3350:442	3350:305	3350:305
	3350:444	3350:305	3350:305
Theoretical and Applied Mathematics	3450:210	3450:145	3450:145
	3450:215	3450:145 or 3450:149	3450:145
	3450:221	3450:149	3450:149

2 *Alternative Credit Options*

	3450:222	3450:221	3450:149 & 3450:221	3520:301, 3520:302, 3520:303, 3520:304, 3520:305, 3520:306, 3520:311, 3520:312, 3520:351, 3520:402, 3520:403, 3520:422	3520:202	3520:101, 3520:102, 3520:201 & 3520:202
	3450:223	3450:222	3450:221 & 3450:222			
Computer Science	3460:210	3460:209 & 3450:208	3460:209			
Modern Languages	3500:102	3500:101	3500:101			
	3500:201	3500:102	3500:101 & 3500:102			
	3500:202	3500:201	3500:101, 3500:102 & 3500:201			
	3500:422	3500:202	3500:101, 3500:102, 3500:201 & 3500:202	3520:352	3520:351	3520:101, 3520:102, 3520:201 & 3520:202
	3500:497	3500:202	3500:101, 3500:102, 3500:201 & 3500:202	3520:413	3520:301 or 3520:302	3520:101, 3520:102, 3520:201 & 3520:202
	3501:102	3501:101	3501:101	3520:427	3520:305 or 3520:306	3520:101, 3520:102, 3520:201 & 3520:202
	3501:201	3501:102	3501:101 & 3501:102	3530:102	3530:101	3530:101
	3501:202	3501:201	3501:101, 3501:102 & 3501:201	3530:201	3530:102	3530:101 & 3530:102
	3501:301, 3501:302, 3501:303 or 3501:304	3501:202	3501:101, 3501:102, 3501:201 & 3501:202	3530:201 or 3530:202	3530:102	3530:101, 3530:102 & 3530:201
	3502:102	3502:101	3502:101	3530:301, 3530:302 or 3530:422	3530:202	3530:101, 3530:102, 3530:201 & 3530:202
	3502:201	3502:102	3502:101 & 3502:102	3530:403 or 3530:404	3530:302	3530:101, 3530:102, 3530:201 & 3530:202
	3502:202	3502:201	3502:101, 3502:102 & 3502:201	3530:406 or 3530:407	3530:302 or 3530:306	3530:101, 3530:102, 3530:201 & 3530:202
	3502:301, 3502:302, 3502:303 or 3502:304	3502:202	3502:101, 3502:102, 3502:201 & 3502:202	3550:102	3550:101	3550:101
	3510:102	3510:101	3510:101	3550:201	3550:102	3550:101 & 3550:102
	3510:201	3510:102	3510:101 & 3510:102	3550:202	3550:201	3550:101,3550:102 & 3550:201
	3510:202	3510:201	3510:101, 3510:102 & 3510:201	3550:301 or 3550:302	3550:202	3550:101, 3550:102, 3550:201 & 3550:202
	3510:303 or 3510:304	3510:202	3510:101, 3510:102, 3510:201, & 3510:202	3560:102	3560:101	3560:101
	3520:102	3520:101	3520:101	3560:201	3560:102	3560:101 & 3560:102
	3520:201	3520:102	3520:101 & 3520:102	3560:202	3560:201	3560:101, 3560:102 & 3560:201
	3520:202	3520:201	3520:101, 3520:102 & 3520:201			

3560:422	3560:202	3560:101, 3560:102, 3560:201 & 3560:202
3570:102	3570:101	3570:101
3570:201	3570:102	3570:101 & 3570:102
3570:202	3570:201	3570:101, 3570:102 & 3570:201
3580:102	3580:101	3580:101
3580:112	3580:101 or 3580:111	3580:101
3580:201	3580:102	3580:101 & 3580:102
3580:202	3580:201	3580:101, 3580:102 & 3580:201
3580:211	3580:102 or 3580:112	3580:101 & 3580:102
3580:212	3580:201 or 3580:211	3580:101, 3580:102 & 3580:201
3580:301, 3580:302, 3580:303, 3580:307 or 3580:308	3580:202	3580:101, 3580:102, 3580:201 & 3580:202
3580:340	two of 3580:301, 3850:302 & 3580:303	3580:101, 3580:102, 3580:201 & 3580:202
3580:351	3580:301, 3850:302 and 3580:303	3580:101, 3580:102, 3580:201 & 3580:202
3580:401, 3580:402 or 3580:403	3580:301 & {3580:302 or 3580:303}	3580:101, 3580:102, 3580:201 & 3580:202
3580:404, 3580:405, 3580:406 or 3580:410	3580:340 and two of 3580:401, 3580:402 & 3580:403	3580:101, 3580:102, 3580:201 & 3580:202
3580:409, 3580:411, 3580:412, 3580:416, 3580:418, 3580:419, 3580:422, 3580:425, 3580:427 or 3580:430	3580:407 or 3580:408	3580:101, 3580:102, 3580:201 & 3580:202

	3580:431 or 3580:432	two of 3580:401, 3580:402 & 3580:403	3580:101, 3580:102, 3580:201 & 3580:202
Statistics	3470:262	3470:261	3470:261

College of Health Professions

Discipline	Course	Prerequisite	Approved for Bypass Credit
American Sign Language	7700:102	7700:101	7700:101
	7700:201	7700:101 & 7700:102	7700:101 & 7700:102
RN-BSN Sequence (Limited to Licensed Registered Nurses)	8200:336		8200:211, 8200:217, 8200:230, 8200:350, 8200:360, 8200:370, 8200:380 & 8200:410

College Level Examination Program (CLEP)

The College Level Examination Program (CLEP) is a national program that offers the opportunity to obtain college credit by examination. A variety of experiences may have prepared a person to earn college credit. The qualifying score required to receive credit for a specific course is determined by the Ohio Board of Regents and the Academic Department in which the course resides. Credits earned in this manner are included in the total credits completed but are not assigned a grade and do not count in the quality-point ratio, class standing, or graduation with honors calculations. Credit by CLEP may not be used to repeat for change of grade. CLEP tests are administered Monday through Friday. Contact the Counseling Center at 330-972-7084 to make a reservation and/or obtain more information.

The following guidelines outline the terms under which The University of Akron will accept the results of specified CLEP tests for college credit. Students may also refer to their academic advisor to determine whether CLEP and other prior learning exams (ie. DSST) apply toward University of Akron transcripts.

Business

CLEP Test	Qualifying Score	Course(s) Awarded	Credit Awarded
Financial Accounting	65 and above	6200:201 Principles of Accounting I	3
Introduction to Business Law	60 and above	6400:220 Legal and Social Environment of Business	3
Principles of Management	50 and above	2420:103 Essentials of Management Technology	3

Principles of Marketing	65 and above	6600:205 Marketing Principles	3
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Composition and Literature

CLEP Test	Qualifying Score	Course(s) Awarded	Credit Awarded
American Literature	53 and above	OTM Arts and Humanities Credit	3
Analyzing and Interpreting Literature	59 and above	OTM Arts and Humanities Credit	3
College Composition/College Composition Modular	50 and above	Remediation Free 0 (Ready to Enroll in 2020:121 or 3300:111)	0
English Literature	62 and above	OTM Arts and Humanities Credit	3

History and Social Sciences

CLEP Test	Qualifying Score	Course(s) Awarded	Credit Awarded
American Government	56-62	OTM Social Sciences Credit	4
	63 and above	3700:100 Government and Politics in the United States	4
History of the United States I	56 and above	3400:250 U.S. History to 1877	4
History of the United States II	57 and above	3400:251 U.S. History since 1877	4
Human Growth and Development	58 and above	3750:230 Developmental Psychology	4
Humanities	55 and above	OTM Arts and Humanities Credit	3
Introduction to Educational Psychology	62 and above	OTM Social Sciences Credit	3
Introductory Psychology	59 and above	3750:100 Introduction to Psychology	3
Introductory Sociology	56 and above	3850:100 Introduction to Sociology	3
Principles of Macroeconomics	56 and above	3250:201 Principles of Macroeconomics	3
Principles of Microeconomics	57 and above	3250:200 Principles of Microeconomics	3

Social Sciences and History	62 and above	OTM Social Science Credit	3
Western Civilizations I	55 and above	3400:210 Humanities in Western Traditions I	4
Western Civilizations II	54 and above	OTM Arts and Humanities Credit	3

Modern Languages

CLEP Test	Qualifying Score	Course(s) Awarded	Credit Awarded
French Language	55 to 64	3520:101 Beginning French I	4
		3520:102 Beginning French II	4
	65 and above	3520:101 Beginning French I	4
		3520:102 Beginning French II	4
		3520:201 Intermediate French I	3
		3520:202 Intermediate French II	3
German Language	59 to 66	3530:101 Beginning German I	4
		3530:102 Beginning German II	4
	67 and above	3530:101 Beginning German I	4
		3530:102 Beginning German II	4
		3530:201 Intermediate German I	3
		3530:202 Intermediate German II	3
Spanish Language	56 to 62	3580:101 Beginning Spanish I	4
		3580:102 Beginning Spanish II	4
	63 to 67	3580:101 Beginning Spanish I	4

	3580:102	4
	Beginning Spanish II	
	3580:201	3
	Intermediate Spanish I	
68 and above	3580:101	4
	Beginning Spanish I	
	3580:102	4
	Beginning Spanish II	
	3580:201	3
	Intermediate Spanish I	
	3580:202	3
	Intermediate Spanish II	

Science and Mathematics

CLEP Test	Qualifying Score	Course(s) Awarded	Credit Awarded
Biology	50 and above	OTM Natural Sciences without Labs Credit	3
Calculus	64 and above	3450:221 Analytic Geometry-Calculus	4
Chemistry	50 to 64	OTM Natural Sciences without Labs Credit	3
	65 and above	3150:151 Principles of Chemistry I	3
College Algebra	63 and above	3450:145 Algebra for Calculus	4
College Mathematics	57 and above	OTM Mathematics, Statistics, and Logic Credit	3
Information Systems	50 and above	General Elective	3

Credit by Examination

A student interested in earning credits by special examination may do so with the permission of the dean of the student's college and the dean of the college in which a particular course is offered and by payment of the special examination fee. The grade obtained in such an examination is recorded on the student's permanent academic record. Credit by examination is not permitted in the semester before graduation. Credit by examination may not be used to repeat for change of grade.

International Baccalaureate

The University of Akron recognizes the academic quality of the International Baccalaureate (IB) program and the efforts of students enrolled in IB coursework by awarding advanced-standing credit for the completion of the IB Diploma. Higher level examination scores are

considered for departmental credit in the areas of French, Spanish, German, Geography, Latin, Greek, Economics, Chemistry, History, English, Social Anthropology, Mathematics, Music and Physics. Although minimum scores for the awarding of credit may vary by subject area, generally scores of four or five are sufficient. No credit is awarded for IB Subsidiary examinations, with the exception of some foreign languages.

IB Test	IB Score	Course No	Title	Hours
Biology	HL 4	3100:103	Natural Science: Biology	4
	HL 5	3100:111	Principles of Biology I	4
	HL 6 or 7	3100:111 & 3100:112	Principles of Biology I & II	8
	HL 6 or 7	3100:100 & 3100:103	Introduction of Botany & Natural Science: Biology (for non-science majors)	8
Mathematics	HL 4	3450:145	College Algebra	4
Chemistry	HL 4	3150:101 or 3150:152	Chemistry for Everyone or Principles of Chemistry I Lab	4 or 1
	HL 5	3150:110 & 3150:111	Introduction to General, Organic & Biochemistry I & Lab	4
	HL 6	3150:151 & 3150:152	Principles of Chemistry I & Lab	4
	HL 7	3150:151, 3150:152 & 3150:153	Principles of Chemistry I & Lab and Principles of Chemistry II	7
Economics	HL 4 or higher	3250:244	Introduction to Economic Analysis	3
English A1	HL 4 or 5	3300:111	English Composition I	3
	HL 6 or 7	3300:111 & 3300:112	English Composition I & II	6
English A: Language & Literature	HL 4 or 5	3300:111	English Composition I	3
	HL 6 or 7	3300:111 & 3300:112	English Composition I & II	6
English A: Literature	HL 4 or 5	3300:111	English Composition I	3

	HL 6 or 7	3300:111 & 3300:112	English Composition I & II	6
French	SL 4	3520:101	Beginning French I	4
	SL 5	3520:101 & 3520:102	Beginning French I & II	8
	SL 6	3520:101, 3520:102 & 3520:201	Beginning French I & II and Intermediate French I	11
	SL 7	3520:101, 3520:102, 3520:201 & 3520:202	Beginning French I & II and Intermediate French I & II	14
German	SL 4	3530:101	Beginning German I	4
	SL 5	3530:101 & 3530:102	Beginning German I & II	8
	SL 6	3530:101, 3530:102 & 3530:201	Beginning German I & II and Intermediate German I	11
	SL 7	3530:101, 3530:102, 3530:201 & 3530:202	Beginning German I & II and Intermediate German I & II	14
History of the Americas	HL 4 or 5	3400:250	United States History to 1877	4
	HL 6 or 7	3400:250 & 3400:251	United States History to 1877 & United States History since 1877	8
History of Europe/ME	HL 4 or higher	3400:289	World Civilization: Middle East	2
Physics	HL 5	3650:291	Elementary Classical Physics I	4
	HL 6 or 7	3650:291 & 3650:292	Elementary Classical Physics I & II	8
Psychology	HL 4 or higher	3750:100	Introduction to Psychology	3
Spanish	SL 4	3580:101	Beginning Spanish I	4
	SL 5	3580:101 & 3580:102	Beginning Spanish I & II	8
	SL 6	3580:101, 3580:102 & 3580:201	Beginning Spanish I & II and	11

			Intermediate Spanish I	
	SL 7	3580:101, 3580:102, 3580:201 & 3580:202	Beginning Spanish I & II and Intermediate Spanish I & II	14

Military Credit

Ohio GI promise, created through Executive Order 2008-17S in July 2008, calls for all University System of Ohio institutions to participate in the Servicemembers Opportunity Colleges (SOC) Consortium. This membership guarantees that The University of Akron will work with veterans to award military credit towards degree completion.

Veteran students should request a copy of their credit from The American Council on Education (ACE) and send this transcript to the Transfer Student Services Center, Akron, Ohio 44325-2001. The credit will be evaluated and posted to the student's record upon enrollment at The University of Akron. Students should consult with academic advisors to determine how military training, experience and coursework credits can be used most effectively in meeting degree requirements.

The College Credit Plus Program (CCP)

The College Credit Plus Program was created by the Ohio Legislature to allow secondary school (7-12) students in Ohio to enroll in a college or university. The program is available to qualified students in grades 7-12 who are enrolled in any public, private, parochial, or home school.

Through the College Credit Plus Program, students are eligible to enroll in The University of Akron classes for the summer, fall and spring semesters. It is recommended that prospective students work with their school counselors to discuss specific school policies.

College Credit Plus is not intended to be a substitute for the academic programs, social growth or maturing experience provided by Ohio's schools. It is not intended to interfere with or replace advanced placement courses nor the school's college preparatory curriculum available to students within their school system.

About the program

Advantages for college-level learning during 7th through 12th grade:

- Strengthening the middle and high school curriculum and raising expectations for high school students.
- Reducing the total number of credits needed to be earned in college.
- Potentially reducing the time required for the baccalaureate and costs to parents, students and taxpayers.
- Enriching the undergraduate college curriculum by lessening the need to take introductory courses, consequently allowing earlier entry into advanced courses, facilitation of double majors, or permitting additional electives.

CCP pays the following for students receiving dual credit:

- All tuition and fees applied to the bill at the time of registration.
- Registration fees including changes in a UA course schedule if changes are due to secondary school schedule conflicts initiated by a UA administrator.

- All required textbooks and non-consumable items. Please note: All required textbooks and non-consumable items must be returned at the end of the term.

Admission Requirements

Eligibility

Preferred Requirements for 7th through 12th grade applicants:

- 3.0 cumulative GPA and a 21 ACT composite or 1060 SAT math and Evidenced-based Reading & Writing combined score.
- The Office of Admissions will evaluate the cumulative GPA and ACT or SAT scores to determine college readiness for applicants.
- All applicants MUST meet at least one of the minimum College Readiness Standards in Writing, Reading or Mathematics as determined by the Ohio Department of Higher Education.

Application Deadlines

Application deadline for the summer and fall semesters is **April 15**. The application deadline for the spring semester is **October 15**.

Steps to apply for admission

1. Complete the Undergraduate Admission Application; select College Credit Plus as the type of student.
2. Complete the Signature Page. Signatures are required by the student, parent or guardian, and the school counselor.
3. Submit an official school transcript. For applicants in the 7th grade, the transcript should include 6th and 5th grades. For applicants in the 8th grade, transcripts should include 7th and 6th grades.
4. Submit ACT or SAT test score results (testing must be completed prior to the application deadline).

Tech Prep

College Tech Prep is value-added education. This program integrates technical training and college preparatory academics beginning in high school and continuing through a minimum of an associate degree. College Tech Prep prepares students for highly skilled occupations supported by regional business and industry in the areas of business, information, health and engineering technologies. The College Tech Prep pathway is a skill-building curriculum jointly designed by business, high schools and colleges. The pathway links the high school experience with a college degree program.

For additional information regarding the College Tech Prep programs, contact Kelly Herold at 330-972-8832.

Transfer Credit

The Transfer Credit policy is subject to the appropriate approval process and as such may be subject to change.

The University of Akron awards transfer credit for non-remedial, non-developmental college-level coursework completed with earned grades of "D-" or better at an institution of higher learning in the United States which is fully accredited or has been granted candidacy status by one of the following regional institutional accrediting agencies: Middle States Association of Colleges and Schools, Commission on Higher Education; New England Association of Schools and Colleges, Commission on Institutions of Higher Education; North Central Association of Colleges and Schools, Higher Learning Commission; Northwest Commission on Colleges and Universities; Southern Association of Colleges and Schools, Commission on Colleges; Western Association of Schools and Colleges,

Accrediting Commission for Community and Junior Colleges; Western Association of Schools and Colleges, Accrediting Commission for Senior Colleges and Universities. A summary of the number of credits accepted will be listed on the official academic transcript along with the name of the institution and dates of attendance.

No grade point value will appear on the record, and no grade point average will be calculated for the coursework listed. Transfer students shall be accorded the same class standing and other privileges as all other students on the basis of the number of credits earned. All residency requirements must be completed successfully at the receiving institution prior to the granting of a degree.

CLEP or Advanced Placement Credit posted on transcripts from previously attended regionally accredited Ohio colleges and universities is eligible for credit at The University of Akron. CLEP or Advanced Placement credit posted on transcripts from previously attended regionally accredited non-Ohio colleges and universities is not eligible for credit at The University of Akron. Students must present original documentation attesting to scores earned prior to receiving alternative credit considerations.

The University of Akron does not guarantee that a transfer student automatically will be admitted to all majors, minors or fields of concentration at the institution. For courses that have been taken at an institution of higher education noted in the reference above, the dean of the college in which the student intends to obtain a degree will specify which courses, other than General Education courses, will apply toward the degree requirements of the University. The office responsible for transfer student services will specify which courses listed will apply toward the General Education program requirements.

Transfer students must meet all University of Akron residency requirements.

For other types of transferable credit, please see the section on Alternative Credit Options.

Note: Official transcripts and/or documentation for alternative credit can be obtained from the following web sites:

- www.acenet.edu (<http://www.acenet.edu>)
- www.collegeboard.com (<https://www.collegeboard.com>)
- www.collegeboard.org/clep (<https://www.collegeboard.org/clep>)
- www.getcollegecredit.com (<https://www.getcollegecredit.com>)

Credit Appeals

Appeals Regarding Transfer Credit: Following the evaluation of the student's transcript from another higher education institution or from ACE, the student will meet with an adviser or the Assistant Director of the Transfer & Adult Students Enrollment Center, to discuss how the credits apply. Should the student not be satisfied with the way the credits articulate to UA graduation requirements, the student may submit an appeal in writing to the Director of the Transfer and Adult Student Enrollment Center. The appeal should include a statement of why the appeal is being made, and should provide a syllabus of the course that the student completed, or the material that was covered in the course, including the amount of time devoted to various topics. The learning objectives of the course of study should also be provided.

If the appeal concerns transfer credit related to discipline requirements, the written appeal will be reviewed by the Chair/Director of the relevant department/school, or dean, as appropriate. If the appeal concerns

transfer credit related to General Education requirements, the appeal will be directed to the appropriate individual at the University responsible for the General Education program.

Appeals Regarding UA Credit: In the event that a student seeks redress for the way in which a UA course is applied to General Education or degree requirements, students should first speak with their adviser. Any subsequent appeal would then be directed to the appropriate individual at the University (e.g. the person responsible for the General Education program, or the relevant Chair/Director/Dean).

Final appeals in all cases will be handled by the Office of Academic Affairs

enrolled in an associate degree program, the requirements shall be those in effect upon entrance into the program

- For purposes of meeting foreign language requirements, all foreign language and "American Sign Language" courses can fulfill the foreign language requirement for those programs that have a non-specific foreign language requirement; For those majors or programs that specify specific language requirements, the applicable specific language requirement must be met to satisfy graduation requirements for that major or program
- Be approved for graduation by appropriate college faculty, Faculty Senate and Board of Trustees
- Complete the requirements for a degree in not more than five calendar years from the date of transfer, as defined below; In the event the student fails to complete the degree requirements within five calendar years from the date of transfer, the University reserves the right to make changes in the number of credits and/or courses required for a degree
- The date of transfer for a student in a baccalaureate program will be the date that the student is accepted by the degree-granting college; For a student enrolled in an associate degree program, the date of transfer refers to the date of entrance into the program
- Earn the last 30 credits in the baccalaureate degree total or 15 credits in the associate degree total in residence at The University of Akron unless excused in writing by the dean of the college in which the student is enrolled
- Earn a minimum of 30 credits in the baccalaureate degree total or 15 credits in the associate degree total in residence at The University of Akron
- If a student who has transferred from another institution wishes to present for the student's major fewer than 14 credits earned at The University of Akron, written permission of both the dean and the head of the department concerned is required
- Discharge all other obligations at the University

Requirements for Additional Baccalaureate and Associate Degrees

- Meet all of the requirements given above - Requirements for Baccalaureate and Associate Degrees
- Earn a minimum of 30 credits which have not counted toward a baccalaureate degree, for an additional baccalaureate degree, or 15 credits which have not counted toward an associate degree, for an additional associate degree; These credits shall be earned in residence at The University of Akron

Requirements for Minor Areas of Study

The University of Akron has approved minor fields of study that may be placed on a student's record when all requirements have been completed.

The following rules apply to all minors:

Graduation Requirements Requirements for Baccalaureate and Associate Degrees

A candidate for the baccalaureate or the associate degree must:

- File an application for graduation online with the Office of the University Registrar; If the candidate plans to complete degree requirements at the end of the fall semester, submit an application by or before July 1; If the plan is to complete degree requirements at the end of the spring semester, submit an application by or before December 1; Submit an application by or before April 1 for Summer Commencement
- Earn a minimum of 120 credits for a baccalaureate degree, 60 credits for an associate degree (some programs of study may require more credits) with a minimum 2.00 grade point average as computed by the Office of the University Registrar for work attempted at the University consistent with the Repeating Courses policy; Some of the colleges may have by action of their faculties, adopted a higher grade-point average for graduation with a degree from that college; The grade point average achieved at the time of completion of requirements for a degree will include repeated and reassessed courses which will be used to calculate graduation honors
- Meet all degree requirements including grade-point averages that are in force at the time a transfer is made to a degree-granting college; If the student should transfer to another major, then the requirements should be those in effect at the time of the transfer; For a student

- The student must complete at least 18 credits. (Note: some minors may require additional credits).
- At least six of the 18 credits must be at the 300/400 level, except where the department does not offer 300/400 level courses.
- A minimum grade-point average of 2.0 in each minor is required.
- A minor may be designated at any time during the student's career up to and including the time the degree clearance is processed.
- A minor will be placed on the student's record only at the time the student receives a baccalaureate degree and only if an application was processed.
- Courses to be applied toward the granting of a minor may not be taken credit/non-credit. A maximum of 6 bypassed credits may be used, but all other credits must be earned.
- The student must earn at least nine credits at The University of Akron in courses approved by the faculty granting the minor. Written permission of the dean and the head of the department which grants the minor is required for an exception.
- Courses required for a minor may carry prerequisites, which must be honored before the student may enroll.

Change of Requirements

To better accomplish its objectives and serve our students, the University reserves the right to alter, amend or revoke any rule or regulation. The policy of the University is to give advance notice of such change, whenever feasible.

Unless the change in a rule or regulation specifies otherwise, it shall become effective immediately with respect to the student who subsequently enters the University, whatever the date of matriculation.

Without limiting the generality of its power to alter, amend or revoke rules and regulations, the University reserves the right to make changes in degree requirements of the student enrolled prior to the change by:

- Altering the number of credits and/or courses required in a major field of study
- Deleting courses
- Amending courses by increasing or decreasing the credits of specific courses, or by varying the content of specific courses
- Offering substitute courses in the same or cognate fields

The Dean of the college, in consultation with the Department or Division Head of the student's major field of study, may grant waivers in writing if a change in rules affects degree requirements of a student enrolled before the change was effective. The action of the Dean of the college in granting or refusing a waiver shall be reviewed by the Senior Vice President and Provost and Chief Operating Officer on his motion, at the request of the Dean of the college of the student affected, or at the request of the student.

Credit and grade-point requirements for graduation as adopted by the college faculties are listed in this bulletin.

When deemed necessary and only in rare and unique circumstances that do not undermine the overall integrity of the various graduation requirements, the Senior Vice President and Provost and Chief Operating Officer, in consultation with the President, may waive specific requirements contained in this rule and report such waivers to the Board of Trustees for its information.

Graduation with Honors

Honors announced at the commencement ceremony are determined from the Grade Point Average as of the end of the term prior to the graduation term. The number of credit hours for the commencement ceremony included the total number of credit hours completed at The University of Akron plus the number of credit hours in progress at The University of Akron. Official honors are determined after ALL final grades have been reported on the academic record. All graded courses, including repeated and reassessed courses, are including in both determinations. The official honors designation will be posted to the diploma and academic transcript.

- A student who holds a baccalaureate degree from an accredited institution, including The University of Akron, and who earns subsequent baccalaureate degree at The University of Akron per the academic policy requirements for second degrees, is eligible to graduate with honors.
- The grade point average will be rounded to the nearest hundredth for the purposes of determining graduation with honors.

For a student who is being awarded a baccalaureate degree and who has completed 60 or more credits at The University of Akron, the degree

- A student who holds an associate degree from an accredited institution, including The University of Akron, and who earns a subsequent associate degree at The University of Akron per the academic policy requirements for second degrees, is eligible to graduate with honors.

For a student who is being awarded an associate degree and who has completed 30 or more credits at the University, the degree

- Where deemed necessary, the Senior Vice President and Provost and Chief Operating Officer may waive these requirements for rare and unique circumstances and report such waivers to the Board of Trustees for its information.

Grade Policy and Credit Grades and the Grading System

A student will receive grades on various types of classroom performance during the progress of most courses and a final grade at the end of the term. At the end of the term, grades are available online. Individual tests are usually graded with percentage or letter marks, but official academic records are maintained with a grade-point system. Overall scholastic averages are computed on a quality point ratio basis, wherein the sum of the quality points earned is divided by the sum of the credits attempted. The quality point value per credit for each letter grade is shown in the following tables:

Notes: Prior to Fall Semester 1973 cumulative grade point averages included transfer work. A student cannot raise a grade through re-examination.

I - Incomplete: Indicates that the student has done passing work in the course but that some part of the work is, for good and acceptable reason, not complete at the end of the term. Failure to make up the omitted work satisfactorily by the end of exam week of the following term, not including summer sessions, converts the "I" to an "F." When the work is satisfactorily completed within the allotted time, the "I" is converted to whatever grade the student has earned. It is the responsibility of the student to make up the incomplete work. The faculty member should

submit the new grade to the Office of the University Registrar via the grade roster, which is available through MyAkron. If the instructor wishes to extend the "I" grade beyond the following term for which the student is registered, the instructor should submit an incomplete extension form, which is available through MyAkron, before the end of the semester.

IP - In Progress: Indicates that the student has not completed the scheduled coursework during the semester because the nature of the course does not permit completion within a single semester, such as work toward a thesis. An "IP" grade should be assigned only in graduate courses.

PI - Permanent Incomplete: Indicates that the student's instructor and the dean with jurisdiction over the course may for special reason authorize the change of an incomplete "I" to a permanent incomplete "PI."

WD - Withdraw: Indicates that the student registered for the course but withdrew officially after the 15th day of the term.

NGR - No Grade Reported: Indicates that, at the time grades were processed for the current issue of the record, no grade had been reported by the instructor.

INV - Invalid: Indicates the grade reported by the instructor of the course was improperly noted and thus unacceptable for proper processing.

Importance of Grades

Grades determine whether a student is either eligible or ineligible to remain at the University. Eligibility to participate in the 200-plus registered student organizations and other co-curricular activities is dependent on the student's maintenance of good academic standing at the University. A student who has not been placed on probation or dismissed from the University is deemed to be in good academic standing. Some selective organizations such as honoraries and varsity athletics require special eligibility criteria. On the basis of grades, a student receives opportunities to take additional courses to accelerate academic progress. Acceptance for admission to a college depends on the approval of the dean of the college which the student chooses to enter and on the student's academic performance to date.

Dean's List

Undergraduate students who carry 12 graded credits or more without receiving an "Incomplete" or "In Progress" grade and earn a grade point average of 3.5 or better are eligible for inclusion on the Dean's List of their respective college. This is an undergraduate academic honor recognizing excellence in the classroom prior to the completion of the degree. Developmental Program course load hours do not carry academic credit toward a degree and are not considered in determining Dean's List honors but do count in computing a student's course load for financial aid or student employment, and are used in probation and dismissal decisions.

President's List

Undergraduate students who carry 12 graded credits or more without receiving an "Incomplete" or "In Progress" grade and earn a grade point average of 4.0 are eligible for inclusion on the President's List. This is an undergraduate academic honor recognizing excellence in the classroom prior to the completion of the degree. Developmental Program course load hours do not carry academic credit toward a degree and are not considered in determining President's List honors but do

count in computing a student's course load for financial aid or student employment, and are used in probation and dismissal decisions.

Probation-Dismissal

An undergraduate student who fails to maintain a total quality point ratio of 2.0 is on academic probation and is subject to such academic discipline as may be imposed by the dean of the student's college.

Probation is a warning to the student whose academic record is unsatisfactory and who is in danger of being dismissed from the university. A student may, however, be dismissed without having previously been placed on probation.

Students dismissed from the university are not eligible to register for any credit courses. They may, however, enroll for noncredit work. Readmission may be granted by the office responsible for readmission after consultation with the dean of the college from which the student was dismissed. If the student wishes to re-enter a college other than the one from which the student was dismissed, the office responsible for readmission must also consult with the dean of that college before a readmission decision is reached.

Repeating Courses

Any course may be repeated twice by an undergraduate student subject to the following conditions:

- To secure a grade ("A-F") a student may repeat a course in which the previously received grade was a "C-," "D+," "D," "D-," or "F;" "CR," "NC," or "AUD." Registrations under the "CR/NC" option are subject to the restrictions in the "CR/NC" policy
- To secure a "CR," a student may repeat a course in which the previously received grade was a "NC." Registrations under the "CR/NC" option are subject to the restrictions in the "CR/NC" policy
- To secure a grade ("A-F"), "CR," "NC," a student may repeat a course in which the previously received grade was an "AUD." Registrations under the "CR/NC" option are subject to the restrictions in the "CR/NC" policy
- A graded course ("A-F") may not be repeated for a grade of "AUD"
- A course taken under the "CR/NC" option may not be repeated for a grade of "AUD"
- With the dean's permission, a student may substitute another course if the previous course is no longer offered. Courses must be repeated at The University of Akron
- Grades for all attempts at a course will appear on the student's official academic record
- Only the grade for the last attempt will be used in the grade-point average
- All grades for attempts at a course will be used in grade-point calculation for the purpose of determining graduation with honors and class standing
- For purposes of this section, credit for this course or its equivalent will apply only once toward meeting degree requirements

Course Substitution Policy

The University of Akron recognizes that some students may be unable to satisfy specific coursework requirements for degree completion. Therefore, the student may request a course substitution. A course substitution is not appropriate when the specific course(s) is essential to the degree being sought and a substitution would represent a

fundamental alteration of the program. The process for requesting a course substitution is as follows:

The student contacts his/her advisor and requests a course substitution.

- If the request(s) is based on a disability, the Office of Accessibility shall be consulted and shall assist the advisor and student in the facilitation of a solution
- If the advisor approves, an appropriate substitution is agreed upon and the recommendation with rationale is forwarded to the department chair or school director for approval
- The student shall be advised of and sign an informed consent form which is forwarded with the recommendation and which states the following:
 - You have been advised that this substitution is only applicable in this college and is not binding on any other college within the University
 - You understand that a course substitution may ultimately affect further studies at this university or other colleges and universities including graduate studies
- If the department chair or school director approves, the recommendation with rationale is forwarded to the Dean
- If the Dean approves, the office of the Dean shall notify all parties concerned
- Approved course substitutions should be entered into the DARS academic progress system by the appropriate office
- If the Dean disapproves, the student may request a review by the Senior Vice President and Provost and Chief Operating Officer

Academic Reassessment

To be eligible for academic reassessment, a student shall:

- Have not attended The University of Akron for at least three calendar years. A semester or summer session in which the student received all "WD" grades cannot be counted as part of the separation period; and
- Have re-enrolled and maintained a grade point average of 2.5 or higher for the first 24 letter-graded ("A" through "F") hours attempted at The University of Akron; and
- Have not used academic reassessment before at The University of Akron; and
- Submit a written request for academic reassessment to the student's college dean's office. To apply for academic reassessment, the student shall complete the appropriate form in consultation with his/her academic advisor. The Office of the University Registrar shall confirm eligibility and make the adjustments to the student's academic record.
- The student begins with a new cumulative grade point average and adjusted credit hour totals. Credit hours are defined as semester hours. Only grades with a "C-" or lower may be reassessed. The student, in consultation with his/her academic advisor, shall identify the courses to be reassessed. Grades to be reassessed shall come from the time period prior to the student's re-enrollment following the three-year absence.
- Grades earned for the courses that are reassessed at The University of Akron are excluded from the calculation of the cumulative "GPA," but will remain on the student's official transcript

- Credit hours earned for courses at The University of Akron during the previous enrollment with a grade of "C" or better, including "CR," are retained
- Credit hours from all reassessed courses taken during the previous enrollment at The University of Akron with a grade of "C-" or lower are removed from the calculation of the cumulative "GPA" (although the grades are retained on the academic transcript with the notation "academic reassessment policy")

The Office of the University Registrar will apply the following provisions of the academic reassessment policy:

- When counting the first 24 credits attempted, if the 24th credit is part of other credits earned during a semester, the entire number of credits earned for that semester will be calculated into the grade-point average
- An undergraduate student may utilize this academic reassessment policy only one time in his/her career at The University of Akron
- This policy applies to undergraduate course work taken at The University of Akron and only for undergraduate students earning a first undergraduate degree
- Grades from all courses ever taken at The University of Akron and the resulting "GPA" (unadjusted by the academic reassessment policy) will be used for purposes of determining eligibility for university, departmental or professional honors or other recognition based upon the student's undergraduate academic career and record of academic performance
- Any academic probations, suspensions or dismissals from reassessed semesters shall not be forgiven. They will count when the probation-dismissal policy is applied to the student's record after readmission
- A student may seek an exception to this policy through an appeal to the senior vice president and provost and chief operating officer whose decision will be final

Academic Misconduct

It is each student's responsibility to know what constitutes academic misconduct. The University of Akron's Code of Student Conduct (<http://www.uakron.edu/ogc/UniversityRules/pdf/41-01.pdf>) defines academic misconduct as any activity that compromises the academic integrity of the student and university, and undermines the educational process. Academic misconduct includes but is not limited to:

Cheating, including but not limited to:

- Use of unauthorized assistance in taking quizzes, tests, or examinations.
- Submitting substantially the same work to satisfy requirements for one course or academic requirement that has been submitted in satisfaction of requirements for another course or academic requirement, without permission of the faculty member of the course for which the work is being submitted or supervising authority for the academic requirement.
- Use of sources prohibited by the faculty member in writing papers, preparing reports, solving problems, or carrying out other assignments.
- Inappropriate acquisition and/or improper distribution of tests or other academic materials without the permission of the faculty member.

- Engaging in any behavior specifically prohibited by a faculty member in the course syllabus or during class discussion.

Plagiarism, including but not limited to:

- Intentional or unintentional representation of ideas or works of another author or creator in whole or in part as the student's own without properly citing the original source for those ideas or works.
- The use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.

An incident of academic misconduct may be resolved and a sanction assessed in a meeting between the faculty member and student. The faculty member should confer with the Department of Student Conduct and Community Standards to determine whether any prior academic misconduct has occurred. If there is no history of prior academic misconduct and the student and faculty member agree on the facts of the incident and the proposed sanction, the matter can be resolved informally through the use of the Academic Misconduct Notification Form located on the Department of Student Conduct and Community Standards webpage. If agreement has been reached and the Academic Misconduct Notification Form has been signed by both the student and faculty member a copy should be retained by the faculty member and student, and the original should be sent to the Department of Student Conduct and Community Standards.

If the student and faculty member disagree about the facts of the incident or the proposed sanction, or the student chooses not to sign the form, or the faculty member chooses not to resolve the matter informally, then the matter should be referred to the Department of Student Conduct and Community Standards for adjudication as provided in the Code of Student Conduct (<http://www.uakron.edu/ogc/UniversityRules/pdf/41-01.pdf>).

For additional information or resources concerning academic misconduct or the Code of Student Conduct, please contact the Department of Student Conduct and Community Standards.

Department of Student Conduct and Community Standards
Simmons Hall, Room 302
(330)972-6380
studentconduct@uakron.edu
www.uakron.edu/studentconduct (<http://www.uakron.edu/studentconduct>)

Credit/Noncredit Option (undergraduate and post baccalaureate only)

A student who takes a course on a "credit" or "noncredit" (CR/NC) basis, and who earns a grade equivalent to "A" through "C-," shall receive credit ("CR") for the course and have the grade, "CR," placed on the permanent record; a grade equivalent to "D+" through "F" will be recorded with the noncredit grade, "NC."

For the baccalaureate degree, no more than 16 credits of non-language courses and no more than 20 credits in total (including language courses) are permitted to be taken on a CR/NC basis. For the associate degree, no more than eight credits of non-language courses and no more than 10 credits in total, including language courses, is permitted.

A student is eligible for the CR/NC option if the student has:

- Completed 50% of the number of credits required for a degree
- A GPA of at least 2.30
- The consent of an advisor

The CR/NC option is available only at the time of registration for the course. After the first week of the term or first two days of a summer session, the status cannot be changed. The University Registrar will notify the instructor of those students utilizing the CR/NC option by means of the final class list.

Courses that can be taken on a CR/NC basis:

- One free elective (not in major field) course per term
- Any first- and/or second-year foreign language course at any time, regardless of grade-point average

Courses that cannot be taken CR/NC:

- Any General Education courses
- Courses required by colleges and departments of all undergraduate majors

Courses for which "CR" is awarded will be counted as hours completed only; courses for which "NC" is awarded shall not be counted as hours attempted; in neither case shall "CR" or "NC" be considered in calculating grade-point average, but in both instances the course shall be entered on the student's official academic record. A student may repeat a course for credit (CR), or a grade (A-F) after receiving a grade of "NC." A college may designate in the printed schedule, on an annual basis, a course as not available to be taken on a "CR/NC" basis. A student taking a course on a "CR/NC" basis is expected to meet the full requirements of the course as required by the instructor.

Audit Policy

A student choosing to audit a course must elect to do so at the time of registration. The student pays the enrollment fee and may be expected to do all the work prescribed for students taking the course for credit, except that of taking the examination. Any faculty member may initiate withdrawal for a student not meeting these expectations.

Transient Work at Another University

The purpose of transient work is to provide The University of Akron student with opportunity to: 1) take a course that is not offered at The University of Akron; or, 2) if the student is away in the summer, to take a course in a distant location; or, 3) in rare cases, a student who is only a few credits shy of graduation and must leave The University of Akron due to extenuating circumstances. These courses will be listed on The University of Akron official academic record. Each course will reflect the course number, title, grade and credit value; no grade-point value will appear on the record and the grade for such course will not be included in The University of Akron grade-point calculation. The name of the institution will be listed on The University of Akron official academic record as well as the date that the coursework was taken.

Any University of Akron student who wishes to take coursework at another regionally accredited institution of higher education must receive prior approval by the academic dean of the appropriate unit if the student intends to apply this coursework toward a degree at The University of Akron.

- A student can make an official request for transient credit by submitting a Transient Permission Form. If the coursework taken

at another institution will be used to satisfy The University of Akron General Education requirements, prior written permission to take the course must be received from the office responsible for transfer student services unless the course has been previously approved as an equivalency by The University of Akron.

- If the coursework taken at another institution will be used to satisfy a degree granting college degree requirement or as elective credit, prior written permission to take the course must be received from the dean of the student's degree granting college unless the course has been previously approved as an equivalency by The University of Akron.
- A student must earn a grade of "D-" or better in the course at the other institution in order for the credits to apply toward the student's degree requirements at The University of Akron unless otherwise specified by the degree-granting college. The student must provide the official transcript for the course in order to receive credit.
- No more than 18 total credit hours of transient work may be approved prior to the granting of a baccalaureate degree. No more than nine total credit hours of transient work may be approved prior to the granting of an associate degree.
- Approvals for transient attendance at other institutions are valid for only the requested term and are subject to all restrictions of the dean of the college approving the request for transient credit.
- Students who are on probation, dismissed or are in the last 30 hours of a baccalaureate degree or are in the last 15 hours of an associate degree are restricted or denied transient permission by either the dean of the degree granting college or the dean of the University College except in rare and compelling circumstances.

Note: Coursework taken at another institution cannot be considered for The University of Akron's *Repeat for Change of Grade* policy or *Academic Reassessment* policy and will not be calculated into the UA grade point average.

COLLEGES AND PROGRAMS

The University of Akron offers comprehensive programs of instruction leading to the associate (two-year), bachelor's (four-year), master's (graduate), and doctoral (graduate or professional) degrees.

Buchtel College of Arts and Sciences

Buchtel College of Arts and Sciences is the largest and oldest degree-granting college at The University of Akron. In addition to providing a world-class education in an array of bachelor's, master's and doctoral degree programs, Buchtel College provides the majority of general education courses for the University. E.J. Thomas Performing Arts Hall, the region's flagship performance venue, is home to many arts performances for the college.

The College has four administrative divisions: Fine Arts, Humanities, Natural Sciences and Social Sciences.

The Fine Arts Division includes the Mary Schiller Myers School of Art; the Schools of Dance, Theatre, and Arts Administration and Music; and programs in Fashion Merchandising and Interior Design. The Humanities Division includes the Departments of English, Modern Languages, and Philosophy. The Natural Sciences Division includes the Departments of Biology, Chemistry, Computer Science, Geosciences, Physics, Mathematics; and Statistics. The Social Sciences Division includes the Departments of Anthropology, History, Political Science, Psychology, Public Administration and Urban Studies (graduate only), Sociology, the School of Communication, and programs in Child and Family Development

Qualified students seeking hands-on career exploration experiences can enroll in internships and co-op opportunities. Students wishing to enrich their majors by completing a certificate, a minor or a double major are encouraged to do so. Interdisciplinary studies are readily available to Arts and Sciences students through the Biomedical Science major, the Humanities Division major, the Social Sciences Division major and the Bachelor of Arts in Multidisciplinary Studies program.

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College of Business Administration

The College of Business Administration (CBA) is a professional college of the University that is dedicated to teaching, business research and public service. The College is accredited by AACSB International - The Association to Advance the Collegiate Schools of Business and offers accredited baccalaureate and master's degree programs during the day and evening. It is home to the George W. Daverio School of Accountancy, Department of Economics, Department of Finance, Department of Management and Department of Marketing.

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LeBron James Family Foundation College of Education

The LeBron James Family Foundation College of Education is a community of professionals whose purpose is to provide leadership for community well-being through standard-setting programs that enhance teaching, learning and human development; research and inquiry; and outreach. It develops itself and others through continuous improvement

and through a commitment to these core components of professional practice and scholarship: Knowledge, Technology, Diversity and Ethics.

The college is home to the departments of Curricular and Instructional Studies and Educational Foundations and Leadership, as well as numerous centers and clinics. The College's programs include a balanced offering of a foundation in general education, intensive study in the content area and professional courses and other learning experiences which combine theory and practice.

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College of Engineering

The College of Engineering provides educational opportunities for students at both the undergraduate and graduate levels who wish to pursue careers in engineering. The faculty in the College of Engineering perform research with the purpose of contributing new knowledge to the fields encompassed by engineering principles.

The College offers Bachelor of Science degrees in Aerospace Systems Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Corrosion Engineering, Electrical Engineering, Computer Engineering, Mechanical Engineering and Engineering.

The College's co-op program, one of the oldest in the nation, enables student engineers to integrate classroom learning with on-the-job experience while they earn their degrees. Students can alternate semesters of paid employment in their major fields of interest with semesters on campus after they have completed five semesters of study.

About the College and Programs of Instruction
College Website

College of Health Professions

Students in nursing, dietetics, audiology, speech-language pathology, social work and other fields learn side by side so that as professionals, it will be natural to treat patients collaboratively.

Students benefit from close college ties with such health systems as the Cleveland Clinic Foundation, Summa Health System, Akron Children's Hospital, the Northeast Ohio Medical University and the Austin BioInnovation Institute in Akron. Students engage in state-of-the-art simulation experiences, gain clinical experience and spend ample time learning collaboratively with fellow students and seasoned professionals in many disciplines.

About the College
Programs of Instruction
College Website

Williams Honors College

The Williams Honors College supports high achieving and highly motivated students with challenging curriculum options, honors classes, academic scholarships, priority in registration, an opportunity to live in the Honors Residence Hall Complex, and enhanced computer and study facilities. Williams Honors College students who complete the requirements of their academic majors and of the Williams Honors College with cumulative grade-point averages of at least 3.40 are recognized at graduation as Williams Honors Scholars.

About the College

College Website

College of Applied Science and Technology

The College of Applied Science and Technology offers associate and baccalaureate degree programs in a variety of technical areas, many of which are nationally accredited. It also offers certificates and minors, is home to the UA Police Academy, the Training Center for Fire and Hazardous Materials, the Center for Emergency Management & Homeland Security, and the High-Tech Forensics Lab.

The College helps to further the goals and purposes of the University by emphasizing the following objectives:

The College serves the student by providing the means to examine academic and career opportunities considering interests, abilities and achievements

The College provides for industry, business, government agencies, health-care establishments and human service occupations; pre-service and in-service training for entry-level positions and/or advancement in employment

Consistent with the philosophy of learning as a life-long experience, the College provides educational opportunities for the student no matter the age, background or need; full- or part-time, day or evening

The College provides quality instruction with qualified and experienced teachers who are encouraged to use the community as a "laboratory" for achieving educational goals

About the College

Programs of Instruction

College Website

Wayne College

To meet the needs of the citizens of Wayne, Holmes and Medina counties, The University of Akron Wayne College opened its doors in 1972. Wayne College offers technical programs and certificate programs, as well as the first 64 credits of many baccalaureate programs. The following degrees are available from The University of Akron Wayne College: Associate of Arts; Associate of Science; Associate of Technical Studies; Associate of Applied Business in Business Management Technology; Health Care Office Management; Associate of Applied Science in Paraprofessional Education and Exercise Science Technology.

About the College

Programs of Instruction

College Website

Graduate School

www.uakron.edu/gradsch

The Graduate School offers advanced study to students who wish further education beyond the baccalaureate degree with programs leading to the master's degree as well as the doctoral degree. A separate publication detailing admission procedures and individual study requirements for graduate work is available from the Graduate School. The Graduate Bulletin may be obtained online at www.uakron.edu/gradsch

Graduate School,

The University of Akron,
Polsky Building, Room 469,
Akron, OH 44325-2101

School of Law

www.uakron.edu/law

The School of Law provides legal education through day and evening classes and full and part-time programs leading to the Juris Doctor degree. JD candidates typically begin studies in the fall semester, but they may begin in January. They may obtain Certificates in Litigation, Intellectual Property, and Health Law. JD candidates may also pursue the following joint degrees with other colleges: JD/MBA, JD/MTax, or JD/MSA in Financial Forensics (with the College of Business Administration), JD/MPA (Master of Public Administration, with the Department of Public Administration and Urban Studies), JD/MAP (Master of Applied Politics, with the Bliss Institute). The School of Law also offers an advanced degree, the LL.M. in Intellectual Property. JD students may enroll in the Joint JD/LL.M. Program, in which they can earn both degrees in three years. Otherwise, an applicant for the LL.M. program must have a JD degree from an American law school or an equivalent degree from a foreign law school. An applicant to the JD program must take the Law School Admission Test and have a baccalaureate degree from an accredited college or university for JD admission. No particular course of undergraduate study is required for admission. Also, an applicant with a foreign law degree may apply for an accelerated program to receive the JD in two years. A separate publication detailing admission requirements and the procedure for applying may be obtained by calling (330) 972-7331, or (800) 4-AKRON-U, or by e-mail: lawadmissions@uakron.edu.

College of Polymer Science and Polymer Engineering

www.uakron.edu/cpspe

The College of Polymer Science and Polymer Engineering offers graduate degrees leading to the Master of Science and Doctor of Philosophy in both Polymer Science and Polymer Engineering. In addition, there are elective courses in both polymer science and polymer engineering for undergraduate science and engineering majors. Options that emphasize polymer engineering have been developed with the College of Engineering Departments of Chemical Engineering and Mechanical Engineering for undergraduate students interested in the polymer industry. An option has been developed in the Buchtel College of Arts and Sciences in chemistry that emphasizes polymer science, including advanced materials. Research experiences for one to three credits per semester are also offered, starting at the freshman level.

University - Additional Locations

<http://www.uakron.edu/provost/about/additional-locations.dot>

The University operates five educational centers in our surrounding communities.

For a full listing of Baccalaureate, Associate, and Certificate Programs:

www.uakron.edu/academics_majors/curriculum-guides

College of Business Administration

LeBron James Family Foundation College of Education

College of Engineering

College of Health Professions

Williams Honors College

College of Applied Science and Technology

Wayne College

Graduate School

www.uakron.edu/gradsch

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Graduate School,
The University of Akron,
Polsky Building, Room 469,
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Buchtel College of Arts and Sciences

College Requirements

Admission

The Buchtel College of Arts and Sciences admits current University students who have satisfied the following criteria:

- Completed a minimum of 30 semester credit hours
- Completed at least 6 credits of English Composition for the general education requirement
- Completed at least 3 credits of mathematics or statistics earned in the Department of Mathematics or the Department of Statistics (excluding 3450:100 Intermediate Algebra) for the general education requirement
- Have a minimum grade-point average of 2.00 in all work attempted in the major field, including transfer work until 30 UA credits are earned (excluding Political Science which requires 2.2 and programs in Child and Family Development, Fashion Merchandising and Interior Design which require 2.3)
- Have a minimum grade-point average of 2.00 in all University work, including transfer work until 30 UA credits are earned (excluding Political Science, English, and Sociology which require 2.2; excluding programs in Child and Family Development, Fashion Merchandising and Interior Design which require 2.5; and excluding Communication which requires 2.1)
- Computer Science students must successfully complete 3450:208 and 3450:221 and 3460:209 and 3460:210. Child Development students must complete 7400:201 and 7400:266 with a C or better.
- Music students must test into at least Theory I Placement and audition into at least 100 Applied Instruction; Dance students must successfully audition
- Received approval of the Dean of the College

Transfer Students

Students transferring into the Buchtel College of Arts and Sciences from universities other than The University of Akron must satisfy the same Buchtel College of Arts and Sciences admission requirements as University of Akron students.

A student transferring to the School of Art from another institution must submit a portfolio of work for approval before admission. A student transferring from another college or institution into the music program must complete a placement examination and perform an audition. A student transferring from another college or institution into the Dance program must perform an audition.

Other Admission

Students accepted into the Honors College as arts and sciences majors are automatically admitted into the Buchtel College of Arts and Sciences. Incoming freshmen with appropriate credentials may receive direct admission to the Buchtel College of Arts and Sciences upon application.

Baccalaureate Degrees

Requirements for the bachelor's degree include:

- Completion of the General Education requirement
- Three credits of mathematics or statistics (excluding 3450:100 Intermediate Algebra) earned in the Department of Mathematics or the Department of Statistics

- Completion of requirements in a major field of study in the college. A major consists of a specified number of credits in addition to the required General Education and, in the case of most Bachelor of Arts and Bachelor of Science degrees, foreign language courses/proficiency. The exact requirements for each major are found in the respective curriculum guide
- All degrees require a minimum of 40 credits consisting of:
 - 300/400-level courses in the student's major department
 - 300/400-level courses outside the student's major department, except workshops
 - Courses outside the major department as specified and approved by the student's major advisor and the department chair or school director (permission should be obtained prior to enrollment), except workshops
 - For programs with restrictive external accreditation requirements, 200 level courses within the major may be identified as constituting advanced work by the student's advisor and department chair or school director (permission should be obtained prior to enrollment)
- Demonstration of ability to use English and, in the case of most Bachelor of Arts and Bachelor of Science degrees, another language:
 - For English, this ability will be shown by the completion of the General Education sequence for English Composition
 - For the other language, this ability will be shown by completion of the second year (202 at UA) of a foreign language at the University level. A student may place at any point in the language sequence so this is **not** a credit hour requirement but rather a course completion requirement for an Intermediate II course. Students who place above the 202 level must take one course to demonstrate proficiency. Demonstration of equivalent competence gained through non-academic "life experience" may be allowed through a test approved by the Department of Modern Languages contingent upon the availability of an appropriate test. The Department of Modern Languages does not offer credit by examination. Native speakers of a language other than English may be exempted from the foreign language requirement upon providing evidence of competence in the four basic language skills (speaking, reading, writing and listening comprehension) at a level equivalent to or higher than successful completion of the second year of instruction in the language at the University level. No credit is granted for exemption from the foreign language requirement. Sign Language is acceptable toward the foreign language requirement. You must complete the five courses listed below (totaling 14 credits) in the sign language sequence to satisfy the requirement:
 - 7700:101, 2 American Sign Language I, II 6
 - 7700:201, 2 American Sign Language III, IV 6
 - 7700:222 Survey of the Deaf Culture in America 2
- Students in the Schools of Art and Music may apply not more than two credits of physical education activities to their degree; students in the School of Communication and in Theatre programs may apply not more than two credits of physical education activities, eight credits of applied music or four credits of music organizations to their degree; students in Dance programs may apply not more than two credits of physical education activities and 12 credits of dance organizations to their degree

- Attaining a minimum grade-point average of 2.00 for all courses in the major Department/School at The University of Akron, unless otherwise required by the major Department/School
- Fulfilling the University requirements for a baccalaureate degree

Any student who wishes to receive a second baccalaureate degree must complete 30 credits of coursework in addition to the credits necessary for the first degree; 15 of the 30 credits must be in 300/400-level courses or other approved courses.

Degrees Awarded

- *Fine Arts Division*: Bachelor of Arts, Bachelor of Arts Fashion Merchandising, Bachelor of Fine Arts (Ceramics, Dance, Graphic Design, Jewelry & Metalsmithing, Photography, Painting/Drawing, Printmaking, Sculpture), Bachelor of Music
- *Humanities Division*: Bachelor of Arts
- *Natural Sciences Division*: Bachelor of Arts, Bachelor of Science, Bachelor of Science in Computer Science
- *Social Sciences Division*: Bachelor of Arts, Bachelor of Science in Geographic Information Sciences, Bachelor of Science in Political Science/Criminal Justice, Associate of Applied Science
- *Interdisciplinary Studies*: Bachelor of Arts, Bachelor of Science, Bachelor of Arts in Multidisciplinary Studies

Buchtel College of Arts and Sciences Programs of Instruction

Learn more about the undergraduate degree programs of instruction offered by the Buchtel College of Arts and Sciences. For specific curriculum guides for bachelor's degrees, minors and certificates offered through the College, see the Undergraduate Curriculum Guides section of the Undergraduate Bulletin.

Interdisciplinary and Divisional Programs
Bachelor of Arts in Multidisciplinary Studies

This degree meets the needs of students who have a multidisciplinary academic goal. It expands opportunities for non-traditional students to complete their degrees at The University of Akron by allowing them to combine courses in a structured manner from various colleges to design a program suited to their needs.

Bachelor of Arts in Family and Consumer Sciences Education (with Licensure in Family and Consumers Education)

Successful completion of this interdisciplinary degree qualifies students to obtain an initial Ohio Two-year Provisional License in Vocational Family and Consumer Science (FCS) Education, grades 4-12. The program is designed to assure that students will meet state standards and be ready to start successful careers. They take a wide variety of FCS and education courses and also complete an eleven-week student teaching field experience. Graduates are employed in middle schools, high schools, career centers, and adult education programs in Ohio and in numerous other states. Students must be admitted to Buchtel College of Arts and Sciences to start their program. They will have a faculty advisor throughout the program. Students are required to complete all required content and elective courses and all teacher education courses with a minimum of a C grade. Students must qualify for additional admission to the College of Education at the end of their sophomore year. They must have a 2.5 GPA overall, an ACT 22 or SAT 1050 or grades of B or better in required college-level math and English courses. They must also pass required computer literacy standards, speech and hearing

tests, and Bureau of Criminal Investigation Clearance, and provide recommendations.

Divisional Majors Biomedical Science

This divisional major provides for a broad background in science suited to students who intend to pursue careers or further education in a health science area. It is an appropriate major for those preparing for admission to professional programs in medicine, dentistry or veterinary science or for those desiring a Liberal Arts degree with a general emphasis in science. Additional coursework may be necessary for those planning graduate studies in a particular science discipline.

Humanities

This divisional major is appropriate for those desiring a Liberal Arts degree with a general emphasis in the humanities. The humanities division consists of the Departments of English, Modern Languages and Philosophy. These disciplines and the disciplines of anthropology, classical studies, history and the creative and dramatic arts (art, music, theatre arts) are included in a prescribed manner in this divisional degree.

Natural Sciences

This divisional major provides for a broad background in science with planned concentration in selected areas. It is an appropriate major for those preparing for admission to professional programs in medicine, dentistry or veterinary science or for those desiring a Liberal Arts degree with a general emphasis in science. Additional coursework is often necessary for those planning graduate studies in a particular science discipline. The natural sciences division consists of the Departments of Biology, Chemistry, Geosciences, Mathematics, Computer Science, Statistics and Physics.

Social Sciences

This divisional major is appropriate for those desiring a Liberal Arts degree with a general emphasis in the social sciences. The social sciences division consists of the Departments of Anthropology, History, Political Science, Psychology, Sociology, Public Administration and Urban Studies (graduate program only) and the School of Communication. Students may select a general divisional major that includes these units or one of two specialized tracks:

Social Sciences – PPE Track: The Social Sciences division PPE track consists of courses from the departments of Philosophy and Political Science.

Social Sciences – PSP Track: The Social Sciences division PSP track (Understanding Ourselves and Others) consists of courses from the departments of Philosophy, Sociology, and Psychology.

Bacc/M.D. Program Introduction

The Bacc/M.D. program is a partnership wherein current UA students apply for provisional admission to NEOMED in their sophomore year of college. Each year NEOMED will admit up to 35 UA students into the Bacc/M.D. program.

Phase 1 is the undergraduate portion of the partnership. UA students may pursue any of UA's degree programs; however, it is recommended that students pursue the Bachelor of Science in Biomedical Science under the Biology department. This coursework meets the NEOMED admission requirements and focuses chiefly on studies in the humanities, social studies, and all basic premedical sciences to prepare students for the medical school curriculum. After students apply to NEOMED in their sophomore year and are provisionally admitted to the Bacc/

M.D. program, they complete their UA degree requirements, maintain the required grade point averages, achieve the required scores on the Medical College Admission Test (MCAT), and meet all other standards of readiness for medical education during their junior and senior years before being promoted directly to NEOMED for Phase 2 of the Bacc/M.D. program.

Phase 2 consists of a four-year medical school course of study, at the NEOMED campus and at selected clinical campuses, leading to the M.D. degree.

Fine Arts Division

7100: Art

Degrees:

Bachelor of Arts: Studio Art Option

The Bachelor of Arts Studio is an interdisciplinary, liberal arts degree, in which students are permitted to self-design the required suite of 42 studio electives around their interests in varying media within the School of Art. BA Studio Art Majors must complete a Minor Area Course of Study, two years of a foreign language, or five courses in American Sign Language.

Bachelor of Arts: Art Education with P-12 Visual Arts Licensure

The Art Education program in the Mary Schiller Myers School of Art consists of a core curriculum of theory and practice that prepares students to work in a variety of organizational settings, from museums to recreational centers.

Bachelor of Arts: History of Art

The Art History program in the Myers School of Art is for those fascinated by the potential of the visual arts to open windows onto other cultures, times, and places – and to offer a critical perspective on the world in which we live today. Our approach to art history is interdisciplinary. We weave together political, intellectual, religious, and cultural contexts with close analysis of form in order to create nuanced understandings of historically important art objects. Art History students here work closely with faculty, often one-on-one, to develop strong verbal and written skills, to master the analysis and synthesis of evidence, and to become adept at presenting their work with clarity and precision.

Bachelor of Fine Arts: Emphasis in Ceramics

The Ceramics curriculum is structured to assure that students learn design and problem-solving as well as the importance of ceramic objects of all kinds to those who view them or participate in using them. The understanding of the historical and cultural meaning of ceramic materials and objects is fundamental to students staking a claim to making their own contributions to the field.

Bachelor of Fine Arts: Emphasis in Graphic Design

Graphic Design is the largest program within the Myers School of Art. It is a professional program for students pursuing careers in the expanding multidisciplinary field of visual communication design. Critical thinking and logical problem solving in print, web and interactive media are emphasized.

Bachelor of Fine Arts: Emphasis in Jewelry & Metalsmithing

The Jewelry & Metalsmithing program offers students a foundation in traditional and contemporary jewelry making and metalsmithing practices, while also emphasizing conceptual thinking, innovation in design, and refined craftsmanship. Students acquire an understanding of new technologies, investigate alternative materials, and gain insight into the history of the field. The program may be pursued from a fine artist, designer, or craftsperson's perspective, and prepares students for a variety of careers in fine art, industrial or entrepreneurial settings.

Bachelor of Fine Arts: Emphasis in Painting/Drawing

The Painting and Drawing program emphasizes that we are a community of people and ideas. Faculty and students are united in

fostering curiosity and shared work ethic. Students explore studio work that demonstrates individual expression, critical thinking, and an awareness of art's historical and contemporary issues.

Bachelor of Fine Arts: Emphasis in Photography

The Photography program provides in-depth experience in black and white and color fine art photography utilizing film and digital technologies as well as commercial photography and alternative approaches to the medium. Technical mastery and advanced conceptual thinking are emphasized, along with a solid grounding in historical and contemporary issues.

Bachelor of Fine Arts: Emphasis in Printmaking

The Printmaking program is centered upon a dynamic investigation into the meaning of printed matter and the production of multiples in our complex world. Students energetically examine the visual and expressive potential of fine art printmaking while developing theoretical grounding in the historic context and contemporary applications of printmaking.

Bachelor of Fine Arts: Emphasis in Sculpture

The Sculpture program provides a solid grounding in a wide variety of conceptual, technical and formal approaches for the creation of sculpture to enable students to explore and communicate their individual artistic concerns. The curriculum is designed to introduce students to the almost limitless possibilities of contemporary sculpture.

7300: Interior Design

The Interior Design program is also CIDA (Council for Interior Design Accreditation) accredited at the professional level. The National Association of Schools of Art and Design (NASAD) also granted institutional accreditation to the Interior Design program. The program has an active Advisory Board with representation from the profession, the industry, and from alumni.

Interior Design students receive faculty advisors as soon as they enter the major, but they do not sign a formal contract until the completion of their sophomore year and a portfolio review. Students who transfer from CIDA-accredited programs must have an overall grade-point average of 2.5 and Program Director approval of a submitted portfolio. All students in this professional program are required to earn a C or better in all Interior Design core courses and electives.

Bachelor of Arts in Interior Design: The degree in interior design offers a comprehensive program of study which provides a balanced broad general education with specialized content integral to the interior design profession. This studio-centered program seeks to develop students' understanding of the role of the interior designer in serving individuals and families in the built environments in which they live and work.

7350: Fashion Merchandising

The Fashion Merchandising program has a Bachelor of Arts Step-Up Program in cooperation with the College of Applied Science and Technology. In the first two years the student will be advised by faculty in the College of Applied Science and Technology as they earn their Associates Degree in Marketing and Sales, with either a Fashion Option or a Retailing Option. In the last two years, they will transfer to Buchtel College of Arts and Sciences to finish a B.A. degree and be advised by the fashion merchandising faculty in the School of Family and Consumer Sciences.

Bachelor of Arts in Fashion Merchandising: This degree offers options in three areas of fashion merchandising: apparel and textiles, interiors and home furnishings, and fiber arts. Courses from the College of

Business Administration and/or Summit College complement the degree by providing studies in marketing, promotion, sales, and retailing.

Students select the track they wish to complete:

- Apparel Track
- Home Furnishing Track
- Fiber Arts Track

7500: Music

Degrees:

Bachelor of Arts: The Bachelor of Arts program is intended as a cultural course or as a preparation for graduate study but not as preparation for a performance or teaching career

Bachelor of Music:

- Performance (emphasis in accompanying)
- Performance (emphasis in brass)
- Performance (emphasis in piano)
- Performance (emphasis in strings)
- Performance (emphasis in voice)
- Composition
- Jazz Studies
- Music Education
 - Band-Wind and Percussion Instruments
 - Orchestra-String Instruments
 - Choral-General Music

Students wishing to major in music must complete the standard undergraduate application for admission and return it to the Office of Admissions. A student cannot be formally admitted to the School of Music until admitted to the University.

To be accepted as a music major, both freshmen and transfer students must successfully complete an audition on their major applied instrument, complete The Undergraduate Placement Examination in Music Theory, and be evaluated in keyboard skills. Prospective students should contact the School of Music for information on specialized programs, as well as dates and times for The Undergraduate Placement Examination in Music Theory.

A student receiving a grade below "C-" in a required music course must repeat the course. Music Education majors receiving a grade below "C" in a required music course must repeat the course.

Changing Major Instruments

A student may later change his declared major instrument after being admitted to the School of Music, but must then audition and satisfy all requirements for the new area as an entering student.

Applied Music Requirements

Studio Study (Private Lessons) - Skill in at least one major area of performance must be progressively developed to the highest level appropriate to the student's major. All students majoring in music are required to enroll in applied music on their declared major instrument every semester. A performance major in the Bachelor of Music program must enroll for four credits in applied music each semester which equates to a one-hour lesson or two half-hour lessons each week. All other students enroll for two credits in applied music on their declared major instrument each semester which equates to a half-hour lesson each week.

Because of the tutorial nature of applied music study, there is an additional fee for applied music registration beyond the normal credit-hour tuition and general service fee.

The offering of applied music instruction is dependent upon the availability of instructors. Although students may request study with a given instructor, the audition does not guarantee study with a particular member of the faculty. The priority for assignment is as follows: 1) collegiate music majors; 2) music minors; 3) non-music majors who are members of University performing ensembles; 4) pre-college students in the high school/college program of the School of Music; and, 5) all others.

Students will not be eligible for applied music study if: 1) they fail to pass the entrance audition; 2) a particular instructor's studio is full; 3) the quality of work demonstrated is judged unacceptable by the applied instructor; or 4) faculty in the student's applied area conclude on the basis of a jury that a continuation of applied study is not merited. Students in the studio are expected to exhibit a mature attitude and productive behavior.

Levels of Applied Music Study

The study of applied music is divided into seven course levels. These conform to levels of proficiency and the requirements of the various degree programs. Entrance to applied music is by audition. Advancement in level is by promotional jury examination only.

7520:000 Level for elective credit in non-music programs, pre-college adults, preparatory program enrollment, and for correcting deficiencies before permission is granted to enroll at the 100 level. Credits in applied music at this level cannot be counted toward any degree requirements in music.

Music majors may apply a maximum of eight credits from any of the following levels to their degree program. A maximum of 32 credits may be counted toward degree requirements.

7520:100 - Freshman level

7520:200 - Sophomore level

7520:300 - Junior level

7520:400 - Senior level

Minimum Performance Levels Required by Degree Program

Bachelor of Arts - Eight credits and completion of the 200 level in the primary applied performance area. No recital is required.

Bachelor of Music in Performance Major — Thirty-two credits and completion of the 400 level in the primary applied performance area. A junior recital is required at the 300 level. A full senior recital is also required.

Bachelor of Music in Composition Major — Sixteen credits and completion of the 200 level in the primary applied performance area. A full senior composition recital is required.

Bachelor of Music in Music Education — Sixteen credits and completion of the 300 level in the primary applied performance area. A half senior recital is required.

Bachelor of Music in Jazz Studies — Sixteen credits and completion of the 200 level in the primary applied performance area; additional completion of the 100 level in flute and clarinet for saxophone majors and the 200 level in classical guitar for electric guitar majors. A full senior recital is required.

Jury System in Applied Music

A promotional jury is the only way in which a student may advance from one course level to another. Each music major may take a promotional jury in his/her primary applied performance area once each year, after two semesters of study, and/or after the minimum number of credits is attained. However, a faculty member may require a student to take additional semesters of study prior to a promotional jury.

Each applied area is empowered to terminate applied study, and applied study will be terminated after three attempts at the same promotional jury level. A promotional jury may be used by a student studying applied music at the 000 level as an audition to the 100 level.

Applied Repertory of Study

Each applied music section (brass, composition, guitar, keyboard, percussion, piano, strings, voice, and woodwinds) has a published repertory of study requirements for each of the course levels. These requirements are available from the Applied Area Coordinator, individual applied instructors, and the School of Music office.

Studio Classes

Each music major is required to attend the weekly 50-minute class taught by his applied instructor. Attendance at studio class is part of the requirement for applied music study, and reflects in the student's grade in applied music. Performances in studio class are determined by the student's applied instructor.

Sectional Recitals

Each applied section holds a sectional recital each week. Attendance by students studying in the section is required. Performances in sectionals are determined by the student's applied instructor and area coordinator.

Non-music majors may enroll for applied music with the permission of the individual applied instructor or the area coordinator, whichever is appropriate to the area of study. Acceptance for studio study is based upon an audition, usually given the first week of classes. Only students who meet applied studio standards will be accepted for applied instruction.

Recital Attendance Requirements

Bachelor of Music majors are required to enroll and receive credit for eight semesters of 7500:157 (Student Recital). Bachelor of Arts music majors are required to enroll and receive credit for four semesters. Student Recital (7500:157) carries no academic credit and has no fee. Further information on the attendance requirement is available in the School of Music office.

Ensemble Requirement

Enrollment in all ensembles requires permission of the instructor.

Students who are music majors must enroll for eight semesters in a major conducted performance ensemble on their declared major instrument. Guitar and keyboard majors should refer to the Memo of Agreement for specific ensemble requirements. Auditions for membership are held each year and occasionally each semester. All music majors are required to enroll in the major conducted ensemble as assigned by faculty and appropriate to their primary performance area every fall and spring semester.

Students pursuing a Bachelor of Music major in Performance, Theory, Composition, and Music Education must complete a minimum of eight semesters. However, keyboard majors in Music Education may substitute one year of a major choral ensemble in place of a Keyboard Ensemble.

Four semesters are required for Jazz Studies majors, music minors, and those pursuing the Bachelor of Arts degree in music. Students who do not complete degree requirements within eight semesters must continue to enroll in a major conducted ensemble each semester until all graduation requirements are met, except during the semester when student teaching.

Major conducted Ensembles include: Concert Choir, Guitar Ensemble, Keyboard Ensemble, Concert Band, Symphonic Band, University Band, and University Symphony Orchestra.

Non-major Conducted Ensemble Requirement

Non-major conducted ensembles may be taken in addition to, but not instead of, major conducted ensembles. Jazz Studies majors are required to complete eight credits in jazz ensembles in addition to four semesters of major conducted ensembles. Non-major conducted Ensembles include: the Akron Symphony Chorus, Brass Choir, Chamber Orchestra, Instrumental Ensembles, Jazz Ensemble, Jazz Lab Band, Madrigal Singers, Marching Band, New Music Ensemble, Steel Drum Band, Blue and Gold Brass (Basketball Band), and Opera/Lyric Theatre.

Unconducted Ensembles

Unconducted ensembles may be taken in addition to, but not instead of, major conducted ensembles. Unconducted ensembles include: Brass Ensembles, Jazz Combos, Mixed Ensembles, Percussion Ensembles, String Ensembles, Vocal Ensembles, and Woodwind Ensembles.

Ensemble credit is repeatable.

Minimum Proficiency Requirements in Keyboard and Voice

All music majors must meet minimum proficiencies in keyboard and voice. Keyboard proficiency is met by successfully completing keyboard Harmony I and II and passing a final keyboard examination. Vocal proficiency is met by successfully completing required Theory and Musicianship courses.

7800: Theatre

Degrees:

Bachelor of Arts: The Theatre Program is currently not accepting majors into the program. All UA students are welcome to take theatre courses as electives and are encouraged to participate in theatre production activities as part of their Akron Experience.

7900: Dance

Degrees:

Bachelor of Fine Arts: The BFA dance major is designed for the student who wishes to pursue professional training in dance through an emphasis in ballet and modern dance techniques. This program offers extensive training in technical, performing and choreographic skills and is supported by a core of coursework in dance history, pedagogy, and physical analysis. The BFA in Dance prepares students for performing, graduate studies in performance and choreography, fields related to dance such as arts administration, dance history, physical therapy, dance therapy, dance education, or dance ethnology, as well as teaching in private studios.

Placement into the dance program for the first year of study as a probationary dance major is by audition only. Promotion in levels of dance techniques is by receipt of a "B+" grade or better for one semester for advancement from Ballet IV to V to VI to VII to VIII respectively, and by receipt of a "B" grade or better for one semester in all other technique classes.

To be admitted to the BFA degree program in Dance in the School of Dance, Theatre, and Arts Administration, students must work for one year of study as a probationary dance major, demonstrate acceptable work habits, pass the Freshman Jury and Interview to gain admittance to the college and status as a BA in Dance major in preparation for auditioning for the BFA program at the end of the sophomore year. BFA students must maintain a 2.875 GPA in all dance classes for a total of two years and may be placed on artistic probation if they demonstrate less acceptable work habits. Full status must be regained to graduate. To graduate with the BFA in Dance, students must complete one full year of Ballet VIII with a minimum of "B" and be enrolled in a ballet technique class each semester until they satisfy their technique requirements and maintain an overall 2.875 GPA in all dance classes.

Bachelor of Arts in Dance Studies with a Business Cognate: This BA degree is designed to offer students a broad learning experience in dance, including ballet, modern, tap, and jazz, supplemented by business studies. Core coursework includes choreography, dance history, pedagogy, and physical analysis. This program prepares students for dance studio management, graduate studies in the fields related to dance such as arts administration, dance history, physical therapy, dance therapy, or dance ethnology, as well as teaching in private studios.

Placement into the dance program for the first year of study as a probationary dance major is by audition only. Promotion in levels of dance techniques is by receipt of a "B+" grade or better for one semester for advancement from Ballet IV to V to VI to VII to VIII respectively, and by receipt of a "B" grade or better for one semester in all other technique classes.

To be admitted to the BA program in Dance in the School of Dance, Theatre and Arts Administration, students must complete one year of study as a probationary dance major, demonstrate acceptable work habits, pass the Freshman Jury and Interview and maintain a 2.785 GPA in all dance classes. All students are required to be enrolled in a dance technique class each semester until they satisfy their technique requirements. Completion of two semesters of Ballet V is required for the BA in Dance Studies with a Business Cognate.

Humanities Division

3200: Anthropology and Classical Studies

3200: Classics; 3230: Anthropology; 3240: Archaeology
Degree:

Bachelor of Arts in Interdisciplinary Anthropology

Archaeological Concentration

Biological Concentration

Cultural Concentration

Classical Studies Concentration

This interdisciplinary program allows students the flexibility to construct a program of study tailored to their interests in cultural anthropology, biological anthropology or archaeology.

3300: English

Degree:

Bachelor of Arts

Our course of study of literature, language, rhetoric, and creative writing fosters the development of critical thinking, skilled communication, appreciation of cultural contexts, informed citizenship, and knowledge of the various literary texts representing human thought and inquiry through the centuries. Students majoring in English studies go on to become successful professionals in their chosen fields.

Graduates have taken the department's reputation into the world outside the campus gates and hold careers ranging from positions in successful law practices, to jobs as published authors, technical writers, and journalists.

Statement of Policies—Admission and Graduation

For students enrolled at The University of Akron and for students wishing to transfer directly into Buchtel College of Arts and Sciences from other institutions, the following criteria must be satisfied for admission to the Department of English:

The student must be admissible to Buchtel College of Arts and Sciences

The student must have a minimum grade point average of 2.20 in all university coursework

In order to graduate with an English major, the following requirements must be satisfied:

The student must achieve a grade of C- or higher in all these required courses: 3300:300; 3300:301; 3300: 315 or 316; 3300:341; 3300:371 and 3300:492

The student must earn a cumulative grade point average of 2.20 in English courses

3500: Modern Languages

3501: Arabic; 3502: Chinese; 3510: Latin; 3520: French; 3530: German; 3550: Italian; 3560: Japanese; 3570: Russian; 3580: Spanish
Degree:

Bachelor of Arts

The Department of Modern Languages is committed to preparing all University of Akron students to succeed in the global economy and to become productive and engaged global citizens. Our students achieve linguistic competencies and multicultural literacies, develop critical-thinking and problem-solving skills and connect with diverse local, national, and international communities.<>French Language, Literature and Culture Track More than 220 million people speak French on the five continents and that number is expected to rise to over 700 million by 2050. French is the second most widely learned foreign language after English. French is both a working and an official language of the United Nations and the European Union. Knowledge of French opens the doors of French companies in France and other French-speaking parts of the world (Canada, Switzerland, Belgium, and North and sub-Saharan Africa) as well as of multinational companies all over the world.French and Francophone Studies TrackThe French and Francophone Studies Track is designed for those students who are interested in developing their skills in the French language and in gaining a broader perspective on and a deeper understanding of French-speaking countries in Europe, Africa, North America, the Caribbean and Asia. This prepares students to function in a multicultural, global context, and enhances students' career choices and employment potential.Spanish

The Spanish Major is designed for those students who are interested in developing their skills in the Spanish language and in gaining a broader perspective on and a deeper understanding of Spanish-speaking countries in Europe and Latin America. Spanish is the second-most commonly spoken language after English within the United States, and in today's economy, getting a good job within any customer service-related industry is greatly enhanced by the ability to speak Spanish.

3600: Philosophy

Degree:

Bachelor of Arts

Philosophy is the process and practice of thinking—clearly, critically, logically, and rationally. It involves questioning issues and beliefs, identifying and analyzing arguments, examining foundations and motives for determining what is right and wrong, and distinguishing between good and bad reasoning. Philosophy enlarges the mind, enriches the intellectual imagination, and introduces new ways of thinking—a necessary component for any career and an excellent preparation for graduate school and law school.

Natural Sciences Division

3100: Biology

Degree:

Bachelor of Science

Biology is the fastest-growing field of science today and its impact is carried to many fronts: medicine and health care; the environment and climate change; and global food sources. A degree in Biology can prepare a student for professional schools, such as medical, dental, veterinary and pharmacy. Alternatively, in collaboration with the College of Education, the degree can prepare a student to teach high school biology. Graduates with Biology degrees from UA become physicians, dentists, pharmacists, veterinarians, and university professors, as well as conducting a variety of biological research in firms such as Envirosience, Battelle Memorial Institute, Ohio EPA, Ohio Nature Conservancy, and Ohio DNR. UA students gain experience in these areas through research opportunities in academic laboratories, internships with local businesses, and with co-ops.

3150: Chemistry

Degrees:

Bachelor of Science

Bachelor of Science in Chemistry - Polymer Option (degree certified by the American Chemical Society)

Bachelor of Arts

Bachelor of Science in Biochemistry

Chemistry is an experimental science that seeks to understand the structure and function of molecules. Chemists synthesize new materials, and study their properties and how they interact with other compounds. The B.S. degrees offered by the department prepare students for independent laboratory work and research. The B.A. degree is less strongly focused on research and prepares students for professional degrees like medicine, dentistry and pharmacy.

Admission, Retention and Graduation

The student must maintain a minimum 2.00 grade point average

The student must obtain a grade of C- or better in all required chemistry courses

Degree:

Bachelor of Science Polymer Chemistry/Master of Science Polymer Science (B.S./M.S. Polymer)

Introduction

In Northeast Ohio, there is a growing demand for professionals trained in polymer chemistry. The polymer industry is one of the major industrial sectors of the economy of Ohio. The BS/MS Polymer Chemistry degree was instituted to prepare students for jobs in this area. The program

provides a quality undergraduate science degree coupled with a graduate degree from one of the premier polymer programs in the country.

Students who are admitted to this program can complete the undergraduate phase of the course of study in three years and then immediately begin graduate studies in polymer science. Under rare circumstances, a student can complete the undergraduate phase in four years after approval of the advisers. A student not proceeding to the graduate program in Polymer Science may complete the degree requirements for the BS Natural Sciences - Polymer Chemistry Concentration.

Students earn a Bachelors degree in Natural Science from the Buchtel College of Arts and Sciences that is heavily weighted toward chemistry. They will be assigned an adviser in the Department of Chemistry and a co-adviser in the Department of Polymer Science who will advise them throughout their undergraduate program. Once the undergraduate degree is completed students begin studies to earn a Masters of Science from the College of Polymer Science and Polymer Engineering that will require two years of courses and research.

Admission, Retention, and Graduation

Honors Students who express interest will be admitted into the 3+2 program after an interview

Students must have a 3.70 grade point average in all undergraduate science and math classes at the end of the first semester in the third year

Students who earn a grade less than a C- in any required science or math class will have to repeat the course and earn a grade of C- or better

Cooperative Education Program in Chemistry

Qualifications

Arrangements for entry into the program are on an individual basis and are initiated by the student during the second year of undergraduate study. Full-time B.S. chemistry majors at The University of Akron must meet the following requirements:

Satisfactory completion of 60 credits with a quality point average of at least 2.3 in chemistry courses and on schedule in their curriculum.

Acceptance by a cooperative education coordinator or director following a series of interviews

Part-time students must have completed 60 credits with a 2.3 average and be on schedule in their curriculum

Transfer students must have preparation equivalent to the minimum requirements for The University of Akron students and must have completed at least one semester of full-time study at The University of Akron

Placement in an industrial or other position is not guaranteed, and foreign students should recognize that many companies require U.S. citizenship or possession of a permanent visa. In any case, final acceptance of a student for any position is the decision of the employer.

Schedule

The work-study schedule for students in the co-op program is as follows:

Admission to Program

Interested students should attend a Cooperative Education orientation session. Students will be expected to remain with their employer for all co-op work periods in order to provide a progression of experience and responsibility. Employment must have approval of the department and

the Cooperative Education director, but the University does not guarantee employment.

Registration

Students register for Cooperative Work Periods in the same manner that a student registers for any other University courses. The course is: 3000:301 Cooperative Education.

A registration fee for each work period is charged to offset the expenses of administering the Co-op Program. Upon completion of a work period, a statement will appear on the student's official transcript listing the course number and title. In place of a grade, "credit" or "no credit" will be given, depending upon the student's satisfactory or unsatisfactory completion of the following:

- Work performance as evaluated by the employer
- Submission of a written Work Report and its approval by the Cooperative Education staff
- Submission of a Cooperative Work Period Summary Form

3460: Computer Science

Degrees:

- Bachelor of Science in Computer Science (System Track)
- Bachelor of Science in Computer Science (Management Track)

Admission to Computer Science Major

The student must have completed 30 credits and have the approval of the Dean of the College. In addition, the student must have completed 3450:208, 3460:209, 3460:210 and 3450:221.

Cooperative Education Program

The work-study schedule for a student participating in the Cooperative Education Program is as follows:

Admission

Arrangements for student entry into the program are on an individual basis, and must be initiated by the student during the second year of undergraduate study. The Cooperative Education Program is an optional program available only to full-time computer science students at The University of Akron who have satisfactorily met the following requirements:

Sixty credits with a grade-point average of at least 2.00 out of a possible 4.00 in the program curriculum and be on schedule in the curriculum

Acceptance by a cooperative education coordinator or director following interviews

A transfer student must complete 16 credits of academic work at The University of Akron with a grade-point average of at least 2.00 out of a possible 4.00 and be on schedule in the curriculum

The student is expected to have successfully completed 3460:306 and 3460:316 before the first work period

A student who desires to participate in the program will fill out a Personal Data form and submit it to the department chair. The student will then meet with a member of the cooperative education staff to discuss the availability of prospective employers. During this interview, the student will be asked to sign a Cooperative Educational Agreement and a grade release form which will become effective upon employment. Employment must be coordinated or have approval of the department and the cooperative education director. The University does not guarantee

employment for the student. The student will be expected to remain with the employer for all cooperative work periods in order to provide a progression of experience and responsibility.

Registration

While no academic credits are assigned, each student must register for 3000:301 Cooperative Education in the same manner that a student registers for any other University course. See department adviser before enrolling for this course. A cooperative program fee for each work period is charged. Upon completion of a work period, a statement will appear on each student's official transcript listing the course number, title and name of the employer. In the place of a grade,

3370: Geosciences (encompassing Geology and Environmental Science)

Degrees:

Bachelor of Science

Geology

Geophysics

Bachelor of Arts

Earth Science Track

Environmental Science Track

Geoscientists focus on problems related to how the Earth works, and our students are given opportunities to build the skills necessary for understanding the Earth System. Through a variety of field and laboratory experiences, our curriculum emphasizes hands-on learning. Students may find employment opportunities in the Earth resources field, environmental consulting, the government sector, or a variety of other career paths.

3450: Mathematics

Degrees:

Bachelor of Science in Mathematics

BS/MS Program in Mathematics

Bachelor of Science in Applied Mathematics

BS/MS Program in Applied Mathematics

BS/MS Program in Applied Mathematics/Polymer Engineering

BS/MBA 5-year Program in Applied Mathematics/Business

Administration

BS/MA 5-Year Program in Applied Mathematics/Economics

BS/MS Program in Mathematics

This is an accelerated five-year BS/MS program. After successfully completing this program, a student will receive a bachelor's degree in either mathematics or applied mathematics, as well as a master's degree in mathematics. Under the supervision of a faculty adviser, a student in the program will finish the core course requirements and most of the electives for the bachelor's degree in the first three years. During the third year of the baccalaureate degree, a student will formally apply to the program through the Graduate School. Upon acceptance, a student will be cleared to complete the remaining electives of the bachelor's degree and 30 credits of graduate work for the master's degree in the last two years. A student will be eligible for a graduate assistantship only in these last two years and must be registered for at least nine graduate credits in each of those semesters.

BS/MS Program in Applied Mathematics

This is an accelerated five-year BS/MS program. After successfully completing this program, a student will receive a bachelor's degree in either mathematics or applied mathematics, as well as a master's degree in applied mathematics. Under the supervision of a faculty adviser, a

student in the program will finish the core course requirements and most of the electives for the bachelor's degree in the first three years. During the third year of the baccalaureate degree, a student will formally apply to the program through the Graduate School. Upon acceptance, a student will be cleared to complete the remaining electives of the bachelor's degree and 30 credits of graduate work for the master's degree in the last two years. A student will be eligible for a graduate assistantship only in these last two years and must be registered for at least nine credits in each of those semesters.

BS/MS Program in Applied Mathematics/Polymer Engineering

This is an accelerated five-year BS/MS program. After successfully completing this program, a student will receive a bachelor's degree in applied mathematics as well as a master's degree in polymer engineering. Under the supervision of faculty advisers in applied mathematics and polymer engineering, a student in the program will finish the core course requirements and most of the electives for the bachelor's degree in the first three years. During the third year of the baccalaureate degree a student will formally apply to the program through the Graduate School. Upon acceptance a student will be cleared to complete the remaining electives of the bachelor's degree and 30 credits of graduate work for the master's degree in the last two years. A student will be eligible for a graduate assistantship only in these last two years and must be registered for at least nine graduate credits in each of those semesters.

BS/MBA 5-year Program in Applied Mathematics/Business Administration

After successful completion of this accelerated five-year BS/ MBA program, students will receive a bachelor's degree in applied mathematics and a master's degree in business administration. Students of this program will be supervised by faculty advisors in applied mathematics and the College of Business Administration (CBA), and are expected to finish the core course requirements and most of the electives for the bachelor's degree in the first three years of the program. Students are asked to formally apply to the accelerated program through the Graduate School during the third year of their bachelor's degree. Upon acceptance, students will be expected to complete the remaining electives of the bachelor's degree and 36-39 credits of graduate work for the MBA degree in the last two years of the program, while registering for at least nine graduate credits each semester of the last two years of the program. Students will be eligible to apply for an industrial graduate assistantship in these last two years of the program.

BS/MA 5-Year Program in Applied Mathematics/Economic

After successfully completing this program, a student will receive a bachelor's degree in applied mathematics as well as a master's degree in economics. Under the supervision of faculty advisers in applied mathematics and economics, a student in the program will finish the core course requirements and most of the electives for the bachelor's degree in the first three years. During the third year of the baccalaureate degree a student will formally apply to the program through the Graduate School. Upon acceptance a student will be cleared to complete the remaining electives of the bachelor's degree and 30 credits of graduate work for the master's degree in the last two years. A student will be eligible for a graduate assistantship only in these last two years and must be registered for at least nine graduate credits in each of those semesters.

Cooperative Education Program: Mathematics or Applied Mathematics

The work-study schedule for a student participating in the Cooperative Education Program is as follows:

Admission

Arrangements for student entry into the program are on an individual basis, and must be initiated by the student during the second year of undergraduate study. The Cooperative Education Program is an optional program available only to all full-time mathematics or applied mathematics students at The University of Akron who have satisfactorily met the following requirements:

Sixty credits with a grade-point average of at least 2.00 out of a possible 4.00 in the program curriculum and be on schedule in the curriculum

Acceptance by a cooperative education coordinator or director following interviews

A transfer student must complete 16 credits of academic work at The University of Akron with a grade-point average of at least 2.00 out of a possible 4.00 and be on schedule in the program curriculum.

A student who desires to participate in the program will fill out a Personal Data form and submit it to the department chair. The student will then meet with a member of the cooperative education staff to discuss the availability of prospective employers. During this interview, the student will be asked to sign a Cooperative Educational Agreement and a grade release form which will become effective upon employment. Employment must be coordinated or have approval of the department and the cooperative education director. The University does not guarantee employment for the student. The student will be expected to remain with the employer for all cooperative work periods in order to provide a progression of experience and responsibility.

Registration

While no academic credits are assigned, each student must register for 3000:301 Cooperative Education in the same manner that a student registers for any other University course. See department adviser before enrolling for this course.

A cooperative program fee for each work period is charged. Upon completion of a work period, a statement will appear on each student's official transcript listing the course number, title and name of the employer. In the place of a grade, "credit" or "no credit" will be given, depending upon the student's satisfactory or unsatisfactory completion of the following:

Work performance as evaluated by the employer

Written work report as approved by department chair and cooperative education staff

Cooperative Work Period Summary form

Usually, work progresses satisfactorily on the job and a grade of "credit" is assigned at the end of the semester. If all the above conditions are not met, a grade of "no credit" will be submitted.

3650: Physics

Degree:

Bachelor of Science

This degree is intended for the student seeking the most detailed and quantitative preparation in physics available in an undergraduate curriculum.

Students can enhance their program of study in areas of research in the Department:

Chemical Physics

Polymer Physics

Physics (Pre-Graduate School)

3470: Statistics

Degrees:

Bachelor of Science, Statistics

Bachelor of Science, Statistics/Actuarial Science

The BS Statistics program prepares students to enter the workforce or pursue graduate studies. Students learn how to use numerical information to solve problems in a wide variety of fields, ranging from business and industry to medical research.

In addition to providing students with a solid background in Statistics, the Actuarial Science option prepares students for careers in the actuarial field.

Social Sciences Division

2200: Early Childhood Development

Degree:

Associate of Science in Early Childhood Development

This program prepares students for employment in a variety of staff positions in child care centers, nursery schools, and Head Start programs that service infants, toddlers, and pre-Kindergarten children. Graduates can be classroom assistants or head teachers, run their own center or be a center administrator.

7600: Communication

The School of Communication offers students a liberal arts education combined with professional and practical experience to meet the social, professional and personal challenges of the 21st century marketplace. Steeped in the tradition of free, accountable, and effective expression of thoughts and ideas, the broad-based curriculum equips students to think critically, write and speak eloquently, work in groups effectively, develop creatively, act ethically and interface proactively with converged media platforms.

Students choose from three academic concentrations: Strategic and Organizational Communication, Public Relations and Media Studies. Additionally, students are encouraged to participate in internships that lead to careers in media, business, sales and marketing, public relations, journalism and conference planning.

Additional information about the school, its faculty and its programs is available at www.uakron.edu/schlcomm

Requirements for transferring into the School of Communication:

Admission to the Buchtel College of Arts and Sciences and a 2.5 GPA or above

Degree:

Bachelor of Arts in Communication

Concentrations within the School of Communication are listed below:

Public Relations Concentration

Strategic and Organizational Communication Concentration

Media Studies Concentration

Exit requirement

To graduate with a degree from the School of Communication, a student must attain a minimum 2.0 GPA overall, a minimum 2.30 GPA for all courses taken in the School of Communication and have passed 7600:105/106, 3300: 111, 112, 113 or 114 with a "C" or better.

3350: Geosciences (encompassing Geography):

Degrees:

Bachelor of Science in Geography/Geographic Information Sciences

The coursework in our the BS-Geographic Information Science degree focuses on data handling, analysis, and graphic communication of simple and complex geographic data and information. Students study how to map, model, and query large amounts of information. Students may also learn how to acquire remotely sensed imagery and how to display and analyze images acquired using many different kinds of sensors.

3400: History

Degrees:

Bachelor of Arts in History

BA/MA Program in History

In addition to the knowledge conveyed through the study of the past, students of history obtain practical skills that empower them no matter what career direction they take. History students learn to read widely and critically. They develop analytical and writing skills and gain experience with oral communication, all of which can be employed in any career or profession. Tens of thousands of attorneys, teachers, civic and business leaders, military professionals, and others have developed successful careers as a result of their decision to study history. The intellectual skills and cultural sensitivity that history teaches can be applied in all walks of life. People who study history learn to ask questions, think for themselves, and become better citizens.

BA/MA Program in History

This is an accelerated five-year BA/MA program. Students can take this accelerated BA/MA program with the goal of applying for admission into PhD programs in History. In addition, students can take this accelerated program to pursue careers as educators in the public school system or in private schools, careers as researchers in cultural organizations and policy think tanks, and careers in museums, libraries and historical societies.

After successfully completing this program, a student will receive a bachelor's degree as well as a master's degree in history. Under the supervision of faculty advisors in history, a student in the program will finish the core course requirements and most of the electives for the bachelor's degree in the first three years. During the third year of the baccalaureate degree a student will formally apply to the program through the Graduate School. Upon acceptance, a student will be cleared to complete the remaining electives of the bachelor's degree and 30 credits of graduate work for the master's degree in the last two years. A student will be eligible for a graduate assistantship only in these last two years and must be registered for at least nine graduate credits in each of those semesters.

3700: Political Science

Degrees:

Bachelor of Arts

Bachelor of Science in Political Science/Criminal Justice

Successful graduates of this program go on to graduate or law school, manage campaigns, run for office, work in state and local government or for various federal government agencies, including the U.S. Marshall's Office, U.S. State Department, Federal Bureau of Investigation, Environmental Protection Agency, and Amnesty International.

For students enrolled at The University of Akron and for students wishing to transfer directly to Buchtel College of Arts and Sciences from other institutions, the following criteria must be satisfied for admission to the Department of Political Science:

The student must be admissible to Buchtel College of Arts and Sciences

A minimum grade point average of 2.20 must be met in all university work, including transfer credits

A minimum grade point average of 2.20 must be met in all work in Political Science, including university and transfer credits. Only credits earned at an accredited institution of post-secondary education, as recognized by The University of Akron, will be considered for transfer credit, and only those grades will be considered in the grade point average.

Retention

Students in the Political Science programs must maintain a minimum grade point average of 2.20 overall and a minimum of 2.20 grade point average in Political Science courses (including transfer credit) in order to remain in the program. A student who fails to maintain the 2.20 cumulative average (including transfer credit) will be placed on academic probation. Failure to raise the average after one semester will result in dismissal from the program. The student may not apply for readmission for at least one semester.

3750: Psychology

Degree:

Bachelor of Arts

Psychology majors learn about human and animal behavior, and are prepared for diverse careers in health, business, industry, and research. The Department of Psychology offers an extensive and varied curriculum coupled with an active faculty and student-driven research program that develops the analytical and problem-solving skills desired by employers and graduate programs. The academic background and applied experiences provided by the major enable students to seek regional postgraduate employment and successfully compete for graduate school opportunities leading to advanced degrees.

3760: Family and Child Development

Degree:

Bachelor of Arts

Family Development

Child Development

Students in the Family Development and Child Development programs complete coursework in early childhood, adolescence, curriculum development, parent-child relations, families living in poverty, consumer education, marriage and family relations, family financial management, and much more. Faculty members personally advise every student and help them maximize their degree by adding possible minors and certificates to their program. Students in both programs complete a 200-hour internship experience which gives them the opportunity to work with professionals and apply their academic knowledge to real-world settings.

3800: Criminal Justice Studies

Degrees:**Associate of Science**

- Criminal Justice Technology
- Criminal Justice Technology - Corrections
- Criminal Justice Technology - Law Enforcement
- Criminal Justice Technology - Public Safety and Security

Administration Technology

The Criminal Justice program develops critical thinking, problem solving techniques, effective communications and the ability to use technology while examining crime and the methods used to prevent it, as well as investigate and punish those who violate the law. It provides a professional perspective of the Criminal Justice field, including policing, corrections and security administration.

3850: Sociology

Degrees:**Bachelor of Arts**

- Sociology
- Sociology/Criminology & Law Enforcement

Sociology graduates obtain positions in local, state, and federal law enforcement; in non-profit organizations related to health care, community services, victim assistance, and education; and in business corporations. Job titles include police officer, fraud investigator, case worker, hospital administrator, youth counselor, director of market research, lawyer, professor, probation officer, community service coordinator, and human resources manager. Graduates also continue their education in graduate programs or law schools.

Statement of policies - Admission

For students enrolled at the University of Akron and for students wishing to transfer directly to Buchtel College of Arts and Sciences from their institutions, the following criteria must be satisfied for admission to the Department of Sociology:

The student must be admissible to Buchtel College of Arts and Sciences

A minimum grade point average of 2.20 must be met in all university work, including transfer credits until 30 UA credits are earned. Only credits earned at an accredited institution of postsecondary education, as recognized by The University of Akron, will be considered for transfer credit, and only those grades will be considered in the grade point average.

Graduation

A Sociology, Sociology/Criminology and Law Enforcement major must earn a cumulative 2.20 grade point average in Sociology and overall to graduate with such a declared major.

College of Business Administration

The College of Business Administration (CBA) is a professional college of the University that is dedicated to teaching, business research and public service. The College is accredited by AACSB International - The Association to Advance the Collegiate Schools of Business and offers accredited baccalaureate and master's degree programs during the day and evening. It is home to the George W. Daverio School of Accountancy, Department of Economics, Department of Finance, Department of Management and Department of Marketing.

About the College

Programs of Instruction**College Website**

College of Business Administration

Effective Instruction

The College of Business Administration (CBA) emphasizes effective teaching and participatory learning as the primary means to educate and prepare future business leaders. Faculty members are strongly committed to being involved with and accessible to CBA students. The CBA attempts to provide relatively small class sections throughout the curriculum.

Effective teaching and participatory learning includes challenging our students through a variety of teaching methods. The College relies upon the case method, seminar presentation, skills performance methods (oral and written), discussion method, and experiential learning in addition to traditional lectures in the classroom. Relevant learning experiences, such as internships and co-ops, are also important components of the CBA curriculum. These methods are used to: 1) involve students actively in their own education by requiring preparation and engagement; 2) instill in students the ability to educate themselves as a life-long habit; and 3) prepare students to more effectively and quickly bridge the gap to competent business leadership.

CBA students receive a well-rounded business education. Students acquire integrated business knowledge the following set of robust business skills:

- * Quantitative
- * Analytical
- * Collaboration and teamwork
- * Written communication and presentation
- * Problem solving

CBA faculty are especially focused on preparing students to be data savvy and well-versed in business analytics.

Exposure to business practitioners - in and out of the classroom - assists in achieving these goals. The CBA introduces students to an understanding of professionalism, public service responsibilities and the role of business in society. This requires that students develop a respect for learning and a preference for solutions that advance the public good. Further, the CBA emphasizes creativity, open-mindedness, ethical behavior, and diverse cultural perspectives.

Since the College's inception, equal emphasis has been placed on broad basic theoretical principles and immediate applied practices within the curriculum. Classroom knowledge is supplemented with a strong professional development program, contact with business practitioners, the College's excellent tradition of vibrant student organizations, and invited speaker programs, to help students engage with the business community.

College Requirements (https://www.uakron.edu/academics_majors/ub/programs/business)

Requirements for Admission

To be admitted to The College of Business Administration, students must have completed the courses listed below and have an overall grade-point average of 2.5 or higher.

- English Composition I and II (3300:111 and 3300:112)
- Speech (7600:105 or 7600:106)
- College Algebra (3450:145) or Calculus with Business Applications (3450:210)
- Principles of Microeconomics (3250:200) or Principles of Macroeconomics (3250:201)
- Accounting Principles I (6200:201) OR
- Spreadsheet Modeling & Decision Analysis (6250:250) OR
- Introduction to Entrepreneurship (6300:201) OR
- Legal & Social Environment of Business (6400:220) OR
- Marketing Principles (6600:205)

Other Admissions

Students accepted into the University Honors College as business majors are automatically admitted to the College of Business Administration. Incoming freshmen with appropriate credentials may receive direct admission to the College upon application to the University.

Freshmen who begin study in another major at the University, and would have met the direct admit criteria of the College of Business Administration, from high school, have until the last day of instruction in the first semester of their freshman year to change their major to the College of Business Administration.

Transfer Student Admission

Transfer students from accredited two-year and four-year colleges are welcome. Students from outside the University must meet the same grade-point average, credit hours and coursework standards of University of Akron students. Transfer students who have not met the above coursework and academic performance standards will not be admitted to the College until all admission requirements are met.

Transfer/Transient Course Work

Some courses taken out of the University may be accepted in lieu of college requirements. The College will consider transfer/transient coursework from regionally accredited community colleges and other AACSB accredited institutions in accordance with the State of Ohio transfer policies and requirements laid out in this Bulletin. Courses will be evaluated based on content, complexity, grading standards and an earned grade of "C" or higher.

If transferring from another regionally accredited community college, it is anticipated that students will have devoted the major share of their academic effort to the completion of basic requirements in the general education and pre-business areas. The College will evaluate courses from regionally accredited non-AACSB accredited colleges for course-to-course transfer/transient substitution for CBA 100 and 200 level course only.

Continuation of the Baccalaureate Program

A CBA student shall be subject to academic probation if the accumulated grade-point average for all courses is less than 2.0. CBA students who are on academic probation for two consecutive semesters will be considered for academic dismissal. Probation and dismissal are decided by the Dean of the College in accordance with policies laid out in this Bulletin.

Degrees

The College of Business Administration offers the following baccalaureate degrees: the Bachelor of Science in Accountancy, the Bachelor of Business Administration, the Bachelor of Arts in Economics, and the Bachelor of Science in Labor Economics

Integrated Core Curriculum

The Integrated Core Curriculum is made of 36-39 credits and serves as the foundation of the business curriculum. The purpose of the Integrated Core Curriculum is to provide a basic understanding of the business disciplines, to contribute to a student's choice of major, and to fulfill pre-requisites for courses in the major. See an advisor for more information on the core curriculum and related requirements.

The following learning goals form the foundation of the learning activities that occur within the Integrated Core Curriculum:

- A. Master integrated business knowledge (accounting, business finance, marketing, business law, supply chain and operations management, management principles, business statistics and analytics, spreadsheet modeling, international business, and strategic management)
- B. Analyze data using quantitative techniques
- C. Be informed decision makers
- D. Develop leadership and collaboration competencies
- E. Use writing and oral communication skills to persuade and to mobilize action
- F. Demonstrate a global perspective and cross-cultural awareness
- G. Recognize and understand how to address ethical concerns

Based on the declared major, the Integrated Core Curriculum will consist of at least 11 courses arranged in sequential order on which to build a foundation.

Programs of Instruction (https://www.uakron.edu/academics_majors/ub/programs/business/programs.dot)

College of Business Administration Programs of Instruction

Learn more about the undergraduate degree programs of instruction offered by the College of Business Administration. For specific curriculum guides for bachelor's degrees, minors and certificates offered through the College, see the Undergraduate Curriculum Guides section of the Undergraduate Bulletin.

3250: Economics

Economics is the study of choice in a world with scarce resources. Students majoring in economics develop their analytical and problem-

solving skills while exploring theories of economic systems and their application to a large number of fields. These fields range from finance and international trade to poverty reduction and environmental problems.

Graduates are employed in both the private and public sectors in a wide range of careers. For example they can be found as financial analysts, management trainees, human resource managers, city and state economists, bank examiners or health care administrators. An economics degree is an excellent background for entrance into professional programs such as law or the MBA. A joint major is a very useful option for students studying in other fields.

Degrees:

- BA in Economics
- BS in Labor Economics.

Bachelor of Arts

The BA program has core courses in theory and in quantitative and computer methods as well as a number of economics electives. If they wish, students can choose field electives relating to career tracks: business, banking and international economics, public policy or graduate school (see below). In one of their final field courses, students develop and carry out a senior project that shows their ability to apply what they have learned, both analytically and quantitatively. For potential employers, it provides an important demonstration of what an economics graduate can do

Bachelor of Science in Labor Economics

The BSLE is a more focused program relating to issues involving human resources, from the analysis of wages and labor markets to the investigation of social policy problems like health, education and discrimination. Career opportunities exist for labor market analysts and for social and labor policy experts in state and local government (like the Department of Job and Family Services or Summit County Children's Services) and in local and international firms. The BSLE program has core courses in labor theory and application plus quantitative and computer methods. The culmination of the program for each student is to bring together all these areas in a labor market analysis and evaluation project. This project demonstrates students' ability to apply what they have learned both in analytical thinking and quantitative methods. For employers, it is a valuable demonstration of what a labor economics graduate can do.

6100: General Business

This degree program is intended to offer flexibility to the student. Some students who intend to pursue careers in small business management, whether by creating or acquiring a business, or perhaps taking over a family business enterprise, may find the flexibility of this degree program best for them. Other students with more full-time professional experience may also prefer the broader course selection available in this degree program.

The Bachelor in Business Administration (BBA) General Business program requires students to complete the CBA core curriculum and 27 credit hours from specified courses.

6200: Accountancy

The George W. Daverio School of Accountancy prepares students to become competent and responsible accounting professionals and business leaders. Accounting is essential for planning, decision-making, control and performance evaluation in all types of organizations,

including business, government and non-profit entities. Accounting also supports the need for accountability and transparency in every organization, regardless of size, complexity or location. Government and regulatory organizations (e.g. the Internal Revenue Service and the Securities & Exchange Commission) rely heavily on accountants to support compliance with various laws and regulations. A need for accounting exists whether an organization is small or large, global or domestic, for profit or not-for-profit, listed or not listed on a stock exchange. Thus, an accounting major offers a wide range of opportunity for future success as a professional.

Students who major in accounting at The University of Akron are generally recruited for professional careers in financial reporting, cost management and control, financial management, financial analysis, internal auditing, external auditing, taxation, information systems audit and control, financial forensics and consultancy. Organizations that recruit accounting majors include public accounting firms, major corporations, small and medium size enterprises, government agencies and non-profit organizations. There are exceptional opportunities for professional advancement regardless of career path and the type of institution a graduate may choose.

Professional certification is vital for accounting professionals. We recommend the Certified Public Accountant (CPA) credential for all of our graduates. Ohio law requires 150 semester credit hours of college level education as a prerequisite for the CPA examination. We strongly encourage our students to pursue the Accelerated BS/MS Accounting program as a path to earning the 150 credits needed for CPA exam eligibility.

CPA certification is needed for successful careers in public accounting; it is also highly valuable for careers in corporations, government agencies and other organizations. In addition to the CPA, other certifications that students may pursue include Certified Management Accountant (CMA), Certified Internal Auditor (CIA), Certified Information Systems Auditor (CISA) and Certified Fraud Examiner (CFE).

6400: Finance

The primary mission of the Department of Finance is to provide a quality education to students that will prepare them for leadership positions within the finance profession in business. Students acquire financial knowledge and skills that can be applied in a variety of environments. The study of finance prepares students to understand the financial transactions in today's global economy.

Careers in finance include corporate finance, investment management, financial markets and institutions and personal financial services. Careers in corporate finance include financial analyst positions in manufacturing, commercial and service enterprises where initial assignments might include financial planning, capital expenditure analysis, cash management, credit management, lease evaluation, mergers and acquisitions and special projects. Students with an interest in investment management are trained for careers as account executives, security analysts or portfolio managers in bank trust departments, securities brokerage firms, investment research firms and investment banks. Careers in financial markets and institutions are available in banking, mutual funds, insurance companies and other financial institutions. Banking careers include commercial lending, retail banking, treasury operations, trading and trust operations. Careers in financial planning include positions at finance and insurance companies, securities firms, banks and financial investment firms.

Roughly 40 percent of professionals offering financial planning and wealth management services to individuals are self-employed.

The finance curriculum offers students the opportunity to study in one of three majors – Corporate Financial Management, Financial Services and Financial Planning. Additional information about these three degree programs may be obtained from the Finance Department or undergraduate advising.

6500: Management

The Department of Management provides opportunities for students to prepare for three different majors: Human Resources Management, Supply Chain/Operations Management and Information Systems Management. Each major provides a solid foundation of general management skills needed by organizations today. Businesses, as well as non-profit institutions, face complex environments with multiple challenges and opportunities. The Department of Management faculty members interact regularly with business leaders to ensure that our students are prepared with the cutting-edge knowledge and skills required to obtain the best jobs.

The Human Resource Management major prepares students for jobs as Human Resource Management (HRM) professionals, as well as general managers. It is generally the people with talent that make one organization more successful than another. HRM professionals are the keys to the acquisition and use of talent in organizations to support strategy. HRM professionals oversee the recruitment, hiring, training and compensation of employees. They also design systems for performance management, guide labor relations, ensure legal compliance and monitor employee safety.

The Supply Chain/Operations Management major is a relatively new field that is central for the success of almost every business. Supply Chain/Operations deals with getting the right product, to the right place, at the right time, in the right condition, at the right price. It is a growing interdisciplinary field that involves building relationships with organizations around the world. Professionals in this area must understand procurement and sourcing, inventory control, logistics and transportation, import and export management, manufacturing and service operations, and negotiation and customer satisfaction skills. This major prepares students to be professionals in the broad supply chain field.

The Information Systems Management major prepares students to be business professionals that direct the technology-related activities of organizations. Graduates understand how to design and access computer systems in order to ensure good business decisions. Information Systems (IS) professionals work with executives to define, plan and achieve the technical goals of the company. IS professionals understand databases, networks, data analytics and system analysis. Students graduate from this program with the combination of technical and business expertise that organizations need for success.

A graduate with a degree in a management discipline will have many employment opportunities with firms in staff, supervisory and other professional positions. In addition, the graduate has the fundamental preparations to undertake advanced student leading to a graduate degree.

6600: Marketing

Marketing is about the creation of value. The object of this creation can be a product, a service, a cause, a person or an idea. The American Marketing Association defines marketing as “the activity, set of institutions, and processes for creating, communicating, delivering, and

exchanging offerings that have value for customers, clients, partners, and society at large.” Ultimately, great marketing is about creating customer commitment to the products, services and ideas that one produces. The discipline is built on learning the core practices associated with bringing a product/service/idea to market including product design and development, distribution, promotion and pricing. It also focuses on how to keep products competitive through branding, customer service and innovation. It is now generally accepted that the marketing perspective, a perspective that puts the customer first, can improve the operation of any organization, including not-for-profit organizations and government agencies.

Given the rather broad and encompassing view of marketing, it is not surprising that a significant proportion of the work force is employed in some aspect of the field. Many individuals with a marketing degree, particularly in smaller firms, become marketing managers responsible for all marketing related activities of the firm. Many others specialize in one specific area. Some of the more common areas include E-commerce, advertising and promotion, sales and sales management, brand management, product development and planning, marketing research & analytics, customer relationship management, media management and retail buying or merchandising. To accommodate the various career track options in marketing, the marketing department offers three majors: Marketing Management, Sales Management and Integrated Marketing Communications.

Each program is designed to provide the student with a full set of fundamental skills and work place competencies essential for success and advancement. Both theory and practice are stressed through a series of foundation courses that focus not only on “what to do,” but “how to do it” and professional capstone experiences through projects with real companies, internships and/or professionally taught specialty courses on state-of-the-art marketing practices.

Our majors must meet all requirements of 1) the General Education Program, 2) the Pre-Business Program, 3) the College of Business Administration Core Program, 4) the required foundation courses within each program, 5) the electives within each program, and 6) the professional experiences component of the program.

Students should give careful thought to the pursuit of a dual major. By adding a limited number of credit hours, students can combine any two of the four majors offered by the Department of Marketing. For example, a student could pursue a double major in sales management and marketing management or marketing management and international business. Double majors are one of the best methods for expanding your career specializations and opportunities. Check with your CBA advisor to determine the specific requirements for the double major of your choice.

6800: International Business

Rapid globalization of business is converging around dynamic changes in the physical, political, economic, and cultural environments of organizations. This unprecedented wave of rapid change creates new opportunities and challenges that must be managed effectively. Our curriculum is designed specifically to prepare graduates to effectively manage the change and complexity that the wave of globalization brings with it. Special emphasis is placed on the process of foreign market entry. Carefully articulated course offerings and contents cut across accounting, finance, management, marketing and technology. Notable highlights include a required approved study abroad program, proficiency in a foreign language and a minor specialization. The integrative nature of our program stands at the intersection of theory and practice to provide

a balanced approach, functional specialization and a broader cultural perspective.

Students majoring in International Business must complete one of the approved minors for a minimum of 18 credits. The areas that can be used for the minor include: in the College of Business Administration – Consumer Marketing, Database Marketing, Entrepreneurship, Finance for Business Majors, Financial Planning, Human Resource Management, Management Information Systems, Supply Chain/ Operations Management and Sales Management; in the College of Arts & Sciences – Economics, Labor Economics, English, Mathematics/Applied Mathematics and General Philosophy.

All International Business majors must also participate in an approved study abroad program which includes the completion of 6800:406. To satisfy the study abroad program, foreign students must choose a country other than their home country. All approved study abroad programs should meet at least 40 contact hours of learning to satisfy the completion requirement for 6800:406.

All International Business majors must complete a language requirement, which requires completion of English and another language. The other language must be an approved foreign language sequence with a minimum of 11 credits. Students with a native language other than English, can opt out of the second language (their native language) requirement by getting a 'pass' grade in the 'language placement test' administered by the Counseling Center, bypassing the credits for the second language.

To receive a Bachelor in Business Administration degree with a major in International Business, each student must successfully complete the 1) General Education program requirements, 2) Pre-Business program requirements, 3) College of Business Administration Core requirements, 4) required courses within the International Business major, 5) completion of two languages, with one being English, 6) specialization in a minor, and 7) participation in an approved study abroad program.

LeBron James Family Foundation College of Education

College Requirements

Learn more about the requirements set forth in the College of Education. Selection, Admission, Retention, and Teacher Licensure

The LeBron James Family Foundation College of Education has selective admission, retention, and graduation requirements for the completion of a program at The University of Akron.

For all students applying to a College of Educations Professional Education program, the admission and degree requirements outlined in the current UA Undergraduate Bulletin will be used to determine admission (or readmission) and degree requirements for all programs.

From admission through graduation, all decisions are made following the College's or department's approved criteria. Prior to admission to a program, Ohio requires all colleges and universities preparing teachers and educational personnel to assess students in the areas of verbal communication and academic achievement. The University of Akron's College of Education admission procedures are designed to establish admission criteria, provide for assessments, allow for skills enhancement, reassessment and reapplication where appropriate.

General Education Requirements: To be admitted to the College of Education, all students must be able to meet the following criteria: A student must have completed at least 29 semester hours of coursework. This coursework must include a minimum of three (3) semester hours in each of the required courses in mathematics, natural science, social science, and public/oral communications, six (6) semester hours in English composition and one (1) semester hour of physical education. Appropriate General Education equivalencies for transfer students will be determined by the University College Dean's Office. The remaining 10 semester hours must consist of general education coursework that meets the requirements of the University and the admission requirements of the department's program studies area.

Grade-Point Average: For admission, a grade point average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College.

Academic Achievement: Competency in math skills as evidenced by: a composite score of 21 or higher on the ACT; 980(Math and Verbal) on the SAT; a grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement. Competency in reading comprehension and writing as evidenced by: a composite score of 21 or higher on the ACT; 980(Math and Verbal) on the SAT or a grade of "B" or better in a course that meets the University's General Education English Composition I requirement.

Bureau of Criminal Investigation Clearance: A signed Criminal Background Check Acknowledgement Form must be submitted. Current Ohio Bureau of Criminal Identification and Investigation (BCII) and Federal Bureau of Investigation (FBI) background checks are required before you may participate in coursework with field experience.

College of Education Application: All students must complete College of Education application form. Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Undergraduate students should apply during the semester in which all College of Education Pre-admission requirements will be met.

Admission Timeline: Admission to a College of Education Professional Education program is in effect for five years from the date of admission. All criteria and procedures regarding selective admission and retention are available in The LeBron James Family Foundation College of Education, Zook Hall, The University of Akron, Akron, OH 44325, phone (330) 972-7750 or www.uakron.edu/education.
Application for Admission to Professional Education Programs

All students are required to have completed the application process no less than six weeks prior to the semester in which they wish to begin coursework in the College of Education. Additional information and applications are available on the College of Education website at <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.

Program Area of Study: All students are expected to comply with requirements specified by the program to which they are applying. These are available in the department.

Advisement: All students will be assigned an advisor and will need to complete an individualized Program Course Distribution (PCD) with their advisor or other approved program designee. This PCD must be completed during the first semester of admission. Students are

encouraged to see their program advisor when necessary to assure they are maintaining progress in their program.

Retention: Retention of students in each program will be evaluation based. Students will have opportunities to upgrade their skills and achievement in areas where such needs may exist. Completion of program requirements will be reviewed by the student and faculty advisor. Approval to student teach is contingent on the student's progress through the program of study with satisfactory grades. Graduation is contingent on completion of coursework, student teaching, GPA of 2.50 overall, 2.50 in education classes, and 2.50 in the student's major.

Licensure: After graduation, students may apply for licensure through the College of Education. The State of Ohio requires all applicants for licensure to submit a current BCII/FBI Clearance. A BCII/FBI Clearance is valid for 12 months from the date of issue. Ohio also requires all applicants for licensure to pass appropriate examination(s) for intended area(s) of licensure. Information about specific licenses can be obtained from the College of Education.

Coursework: Coursework more than 5 years old may not be accepted for licensure. Check with your advisor regarding specific departmental policies.

Transfer Students: Transfer students will be expected to meet the same admission standards as University of Akron students.

Post-Baccalaureate Students: Qualified post-baccalaureate students seeking licensure will be admitted to the College of Education and to the appropriate program once they meet all admission requirements.

Bachelor's Degrees

The Professional Education Program prepares students to teach in one or more of the following areas/fields: early childhood inclusive teacher preparation (age 3 through grade 3); early childhood (age 3 through grade 3); middle childhood (grades 4 through 9); the conventional academic fields found in programs for adolescent to young adult students (grades 7 through 12); in special education as an intervention specialist for early childhood (P-3 mild/moderate/intensive); mild/moderate (K-12); or moderate/intensive (K-12); and multi-age (grades PK through 12).

To qualify for the bachelor's degree, the minimum credits as required by the student's degree program at the time of admission with a grade-point average of 2.50 overall, 2.50 in education classes, and 2.50 in the student's major must be completed.

The specific subjects required for degrees in certain fields are set forth in subsequent pages. In all cases, the requirements include courses in general education, professional education and content areas.

The Bachelor of Arts in Education degree is granted to those whose major is in one of the academic fields. The Bachelor of Science in Education is granted to those whose major is in the other special fields or in early childhood or middle childhood education.

Professional Education Programs

The conceptual framework theme, "Educator as Decision Maker," is central to The University of Akron's Professional Education Program. This was chosen because the complexity of teaching is increasing and the professional knowledge base is growing. Decision-making is stressed in the standards-based programs that prepare teachers and other school personnel for professional practice. Initial professional education programs are aligned with the Ohio Standards for the Teaching Profession, and Specialized Professional Association Standards. Advanced Programs for practicing teachers are aligned with the Ohio

Standards for the Teaching Profession. For more complete information about the professional education program, consult the College of Education at (330)972-7750.

Students must complete appropriate professional education courses with grades of 'C' or better before being allowed to progress to the next phase of professional education preparation.

Professional Preparation

Built on a foundation of general studies that begins prior to admission, the Professional Education Program is organized into four phases that reflect how teachers can learn to make good decisions.

Phase I. Learning About Learners, "How can I use information about myself and others to understand decisions about students and learners?"

Phase II. Learning About Teaching, "How do I use principles of learning to make instructional decisions?"

Phase III. Learning to Apply the Principles of Teaching, "How do I make instructional decisions for specific groups of students?"

Phase IV. Learning to Teach, "How do I make the best decisions for students?"

During each phase of the program, teacher candidates take a combination of core courses, field experiences, and courses in their program studies area. Students should note the sequence of core and program courses. The core courses cover the knowledge base that is common for all teachers, regardless of their teaching field. The field experiences provide teacher candidates with experience in schools from the beginning of their program. Additionally during their field and clinical experiences, teacher candidates learn to apply what they are learning in courses.

Program content area courses are related to teacher candidates' intended area of licensure. In addition, teacher candidates have a faculty advisor to help plan what to study and to review what has been accomplished.

The culminating experience for teacher candidates is student teaching. Under the supervision of a team of college faculty and a classroom teacher, each student teacher begins to put newly-developed competencies into practice.

For candidates seeking to graduate without licensure, substitute courses for this culminating experience of student teaching and colloquium will be determined with recommendation by the advisor and subject to approval by the Dean to assure that candidates meet an equivalent number of Education hours for the program. Candidates must meet all other program requirements. If the student wishes to seek licensure after graduation, the student would need to apply to be admitted to the appropriate program. The student will be required to complete all necessary requirements for licensure in place at the time admission.

Clinical and Field-Based Experiences

All teacher candidates are required to participate satisfactorily in clinical and field-based experiences prior to recommendation for licensure to teach in Ohio. These clinical and field-based experiences are designed to provide teacher candidates with the opportunity to apply theory and skills related to their areas of licensure in diverse clinical and field-based settings. Clinical experiences are those planned activities in which professional education students apply the principles of teaching.

Student Teaching

Student teaching is an all-day, full-time, planned teaching experience for 16 weeks in an approved public or private school. Placements are

made in schools selected and supervised by the College of Education in collaboration with school districts and faculty.

All teacher candidates must have an approved student teaching application on file to be considered for placement.

To qualify for student teaching, teacher candidates must have a 2.50 average overall, a "C" or better in professional education classes, a minimum of a 2.50 and/or a "C" or better in the teacher candidate's major, and in methods courses as defined by departments. Satisfactory completion of field and pre-clinical experience is also required before student teaching.

Licensure

Every teacher in Ohio public schools is required to have a teaching license covering the fields in which teaching is being done. This license is issued by the Ohio Department of Education upon recommendation of the Dean of the College of Education. The teacher candidate must provide evidence of a current BCII/FBI Clearance, must pass appropriate examination(s) required in Ohio, complete the appropriate program requirements successfully, and be recommended for a teaching license.

Endorsements

TESOL Endorsement (Teaching English to Speakers of Other Languages)
This program introduces teacher candidates to the key issues in teaching English to non-native speakers through coursework in linguistics, second language theory and methods, and related disciplines.

Teacher candidates seeking this endorsement must have studied a foreign language at some time during their academic career.

Students who do not have English as a native language must demonstrate adequate proficiency in English with a valid TOEFL score of 580 or above and a score of 240 or above on the TSE (Test of Spoken English).

Reading Endorsement

Teacher candidates who are preparing to teach or who already hold a teaching license may add a reading endorsement at the graduate level only.

Information on how to apply for Ohio Department of Education licensure upon completion of a program or how to add an endorsement to an existing license may be obtained from the LeBron James Family Foundation College of Education, Zook Hall; (330) 972-7750 or www.uakron.edu/education.

Programs of Instruction

LeBron James Family Foundation College of Education Programs of Instruction

Department of Curricular & Instructional Studies

The Department of Curricular and Instructional Studies includes the areas of early childhood, middle childhood, secondary (adolescent to young adult), preschool to grades 12 (P-12) education and the areas of special education as an intervention specialist for early childhood (P-3 mild/moderate/ intensive), mild to moderate (K-12) or moderate to intensive (K-12). Initial Professional Education programs are available at the undergraduate, post-baccalaureate and master's degree levels.

The early childhood program prepares teachers to teach age three to grade three.

The middle childhood program prepares teachers to teach grades four through nine with specialization in each of two areas selected from reading/language arts, mathematics, science and social studies.

The secondary program prepares teachers of grades seven to twelve to teach language arts, mathematics, science, social studies or family and consumer science (grades 4-12).

The P-12 program prepares teachers of music, drama, or visual arts.

The special education options prepare undergraduates as intervention specialists/teachers for children with special needs and graduate students to be master teachers.

Endorsements are available in reading and teaching English as a second language.

Departments

5200: Early Childhood Education

Courses and experiences prepare our teacher candidates to work in preschools, childcare centers, or to teach in primary schools. Various techniques to establish positive learning environments are taught as students learn to plan, implement, and evaluate instructional programs, and to select, develop and implement methods and materials for the introduction of science, language arts, math and social sciences to children in an integrated curriculum which stresses critical thinking and problem solving.

Upon receipt of an initial teaching license, a student may be eligible to return for additional licensure, based on additional coursework.

Endorsements such as Teaching English to Speakers of Other Languages (TESOL) and Reading can be added to licenses.

For additional information, teacher candidates should contact The LeBron James Family Foundation College of Education in Zook Hall, call (330) 972-7750 or at www.uakron.edu/education.

5250: Middle Childhood Education

These Education majors work toward licensure in Middle Childhood Education. All teacher candidates in Middle Childhood Education are also required to have two areas of concentration from outside the College of Education. Teacher candidates may choose from natural sciences, social studies, mathematics, and language arts and reading.

Prior to admission, teacher candidates must complete a minimum of 31 credit hours of coursework with a 2.50 GPA. These requirements provide Middle Childhood Education majors with the breadth of knowledge (science, written and oral communication, math and social studies) they will need to make decisions in the Middle Childhood setting. Teacher candidates admitted to Middle Childhood Education must achieve a grade of "C" or higher in all professional education courses to be eligible to student teach and graduate from the College of Education.

Courses and experiences prepare teacher candidates to work in elementary, middle and junior high schools. Various techniques to establish positive learning environments are taught as teacher candidates learn, plan, implement and evaluate instructional programs, and select, develop and implement methods and materials for the introduction of science, language arts, math and social sciences to children in an integrated curriculum that stresses critical thinking and problem solving.

Upon receipt of an initial teaching license, a student may be eligible to return for additional licensure, based on additional coursework.

Endorsements such as the 4-6 Generalist, Teaching English to Speakers of Other Languages (TESOL) and Reading (Graduate only) can be added to licenses.

For additional information, teacher candidates should contact The LeBron James Family Foundation College of Education in Zook Hall, call (330) 972-7750 or at www.uakron.edu/education.
5300: Secondary (Adolescence to Young Adult) Education

Prior to admission, students must complete a minimum of 29 credit hours of coursework with a 3.00 GPA. These requirements provide Adolescence to Young Adult Education, P-12 and Specialty Program majors with the breadth of knowledge they will need to make decisions in the secondary school setting. Students admitted to Secondary Education must achieve a grade of "C" or higher in all professional education courses to be eligible to student teach and graduate from the College of Education.

The program mandates an expert knowledge in a specific content area. This knowledge prepares and encourages teachers to be decision-makers by adapting and applying content knowledge to the needs and interests of a diverse student population. Upon graduation, teacher candidates are ready to teach in school settings appropriate to their licensure.

The Department offers teacher licensure in the following areas: Language Arts (7-12), Math (7-12), Science (7-12), Social Studies (7-12), and Drama/Theatre (P-12). Licensure is also available in Visual Arts (P-12), Music (P-12).

For additional information, students should contact The LeBron James Family Foundation College of Education in Zook Hall, call (330) 972-7750 or at www.uakron.edu/education.
5610: Special Education

Prior to admission, teacher candidates must complete a minimum of 27 credit hours of coursework with a 3.00 GPA. This program is designed to prepare educators to meet the needs of children and adolescents with exceptionalities. The College of Education offers four licensure options: Early Childhood Intervention Teacher Preparation (P-3); Intervention Specialist Early Childhood (P-3); Intervention Specialist Mild to Moderate (K-12); and Intervention Specialist Moderate to Intensive (K-12).

These programs prepare teacher candidates to work effectively with pupils who experience physical, learning, and/or emotional special education needs. Graduates of these programs are trained to put theory into practice by providing instruction for students with special needs in a variety of educational settings. These settings include the classroom setting, individual and small group tutoring, and special classes.

For additional information, teacher candidates should contact The LeBron James Family Foundation College of Education in Zook Hall, (330) 972-7750 or at www.uakron.edu/education.

College of Engineering

College of Engineering Objectives

The College of Engineering provides educational opportunities for students at both the undergraduate and graduate levels who wish to pursue careers in engineering. The faculty in the College of Engineering perform research with the purpose of contributing new knowledge to the fields encompassed by engineering principles. Professional service is in concert with the objectives of the University.

College Requirements

Direct Admission

A new first-year student can be a Direct admit to the College of Engineering if they meet the following requirements:

- * High school GPA of 3.4 or higher
- * At least 24 composite ACT or at least 1110 composite SAT
- * At least 24 math ACT or at least 560 math SAT

University Admissions

Students interested in engineering who do not meet the academic requirements for direct admission can still be admitted to The University of Akron. Students will be part of the Center for Academic Advising and Student Success. After certain criteria are met, students can apply to enter the College of Engineering.

For Current UA Student and Transfer Students

Current UA students who are not in the College of Engineering and students transferring to UA from another institution may apply for the College of Engineering when they meet the following criteria:

- * Complete at least 30 semester hours of coursework post high school
- * Complete Calculus 2 with a C- or higher
- * Have a 2.3 grade point average in at least three of the following categories:
 - * in all coursework
 - * in all engineering coursework
 - * in all required mathematics coursework
 - * in all required science coursework (chemistry, physics, computer science, biology)

Admission of students who do not meet the above requirements will be considered by the dean or representative only if the request originates by an Engineering department head or representative.

Continuation in the Baccalaureate Programs

Academic Warning/Probation/Suspension/Dismissal

A student's term and cumulative GPA determine if a student is in "good standing" or on "academic warning", "probation", "suspension" or dismissed from the College of Engineering. Evaluation is done at the end-of-term based on the term GPA and the cumulative GPA. Specific details on the process are found at http://www.uakron.edu/engineering/academics/images/COE_WPSD_policy.pdf

Students are on academic warning if their term GPA drops below a 2.0, but their cumulative GPA is above a 2.0. Continued poor performance or if a student's cumulative GPA drops below a 2.0, they are placed on academic probation. Students on academic probation may not register for classes without first consulting a faculty advisor and obtaining permission to take an approved group of courses. Those students will have academic "holds" placed on their account and cannot register for classes until such a meeting occurs. Students whose performance does not improve on academic probation are suspended from the College; while suspended, they are provided a contract (agreed to by the Associate Dean for Undergraduate Studies and the student). If the student does not meet the terms of the contract, they are dismissed from the College of

Engineering. If the student's cumulative GPA at the time of dismissal is below a 2.0, they are also dismissed from The University of Akron.

Degrees

The College offers Bachelor of Science degrees in Aerospace Systems Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Corrosion Engineering, Electrical Engineering, Computer Engineering, Mechanical Engineering, and Engineering.

Requirements for Graduation

Compliance with University requirements

Completion of the requirements in the appropriate list of courses and a minimum of 136-140 credits of coursework

Recommendation of the student's department

Achievement of 2.00 grade point average in all engineering coursework attempted with 4XXX course prefix

Engineering Accreditation

Engineering is a profession in which knowledge of mathematics and natural sciences, gained by study, experience, and practice, is applied, with judgment, to develop ways to economically utilize the materials and forces of nature for the benefit of mankind.

Admission to the engineering profession is normally through a university undergraduate program in one of the disciplines of engineering.

Curricular criteria are established by academic and industrial representatives that sit on the accrediting board, ABET, Inc. The curricular criteria under which Akron's Engineering programs are currently accredited are:

- * One year of mathematics and basic science
- * One-half year of humanities and social sciences
- * One year of engineering science
- * One-half year of engineering design

In addition, the ABET Criteria requires that (1) each program shall make a formal assessment of each student's ABET Required Abilities and (2) that a process must exist by which the student assessments can be used to modify the educational delivery process. The ABET Required Student Outcomes are:

- * An ability to apply knowledge of mathematics, science, and engineering
- * An ability to design and conduct experiments, as well as to analyze and interpret data
- * An ability to design a system, component, or process to meet desired needs
- * An ability to identify, formulate, and solve engineering problems
- * An ability to communicate effectively
- * An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
- * An ability to function on multidisciplinary teams
- * An understanding of professional and ethical responsibility
- * The broad education necessary to understand the impact of engineering solutions in global and societal context

* A recognition of the need for, and an ability to engage in life-long learning

* A knowledge of contemporary issues

The Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Mechanical Engineering, Mechanical Polymer Engineering, and Aerospace Systems Engineering programs are accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

Cooperative Education

The optional cooperative education program provides for a coordinated sequence of alternating periods of classroom instruction and employment during a five-year program.

The cooperative program simultaneously provides for the development of fundamental principles in the classroom and for their application in practice. The student has the opportunity to find the type of work and organization in which the student can best apply individual ability. The student gains an appreciation of the problems of labor and management by first-hand experience. The

student develops mature judgment by coping with everyday problems. The employer of a coop student has the ability to train and select a student whose abilities and aptitudes can be adapted to the needs of technical staff requirements.

While a student is at work, all rules and regulations prescribed by the employer must be obeyed. In addition, the student is subject to all current labor laws and conditions. The student is considered a full-time student by the University while on industrial assignments.

The University does not guarantee employment, but makes every effort to place a student in the best learning situation that is consistent with the acquisition of sound professional experience.

Programs of Instruction

4200: Chemical Engineering
 4250: Corrosion Engineering
 4300: Civil Engineering
 4400: Electrical Engineering
 4450: Computer Engineering
 4600: Mechanical Engineering
 4700: Mechanical Polymer Engineering
 4800: Biomedical Engineering
 4900: Aerospace Systems Engineering
 Bachelor of Science in Engineering

4200: Chemical Engineering

The Chemical Engineering program helps students develop intellectual capacity and the ability to apply the principles of transport phenomena, thermodynamics, and chemical reaction kinetics to the creative resolution of technological problems.

All engineers are trained in the application of mechanics, materials, economics, systems, and controls. Chemical engineers, however, apply chemical principles to design, evaluate, build, and operate systems capable of converting inexpensive raw materials into marketable products via chemical reactions, biological processes, and physical separations.

Graduates of the Chemical Engineering program find career opportunities in the chemical process industries, usually involving polymer production, petroleum refining, environmental remediation, materials research and development, process design and development, and process operations and control. In addition, chemical engineers are increasingly in demand in such areas of current interest as process simulations, biotechnology, supercritical fluid processes, and solids processing. Critical thinking skills developed throughout the curriculum enable chemical engineers to succeed in other fields including medicine, patent law, and international business.

The Chemical Engineering program maintains a balance between theory and practice to prepare students for careers in a highly technical global society. The curriculum stresses the integration of mathematics, science, and chemical engineering fundamentals throughout the program. At each level of the program, from freshman through seniors, students have the opportunity to gain experience in a wide range of emerging technologies through laboratory courses and design or research electives. Exciting work is performed in biocompatible polymeric materials, biological cellular and enzymatic processes, nanocomposite materials, chemical vapor deposition, computational molecular science, microscale separations, green chemistry, and novel catalytic reactions. Students are also encouraged to gain important practical experience through the optional cooperative education program.

Mission: The goal of the Chemical and Biomolecular Engineering Department is to prepare baccalaureate graduates with the necessary skills so that they can contribute to a highly technical global society through their professional careers. The philosophy of the Chemical and Biomolecular Engineering faculty is to provide a strong theoretical foundation supported by practical applications of that knowledge, which is consistent with the mission of The University of Akron.

The specific educational objectives of the chemical engineering program are that:

1. Our graduates will apply their technical proficiency to make positive contributions as chemical engineers or any other career path they choose.
2. Our graduates will continue life-long learning through professional activities and training, the pursuit of higher educational degrees, and individual professional improvement.
3. Our graduates will contribute to the professional practice of their chosen field through effective communication, leadership, teamwork and service, while exhibiting high ethical and professional standards.

The Chemical Engineering program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>. The following student outcomes describe what students are expected to know and be able to do by the time of graduation with a B.S. degree in Chemical Engineering from The University of Akron:

- Have a good grounding in chemistry and working knowledge of advanced chemistry
- Can relate chemical structure to material properties
- Able to apply first principles to analyze and solve chemical engineering problems, including comprehensive open-ended design problems
- Develop experiments from proposed hypotheses and interpret data
- Pose and develop practical solutions to chemical engineering problems which include the limitations of environmental, safety, ethical, and economic issues

- Design and select optimal processes for chemical production
- Select and use computational tools to design, analyze and solve chemical engineering problems
- Work effectively in teams
- Write and speak effectively in a technical setting
- Independently assimilate new concepts to facilitate life-long learning
- A knowledge of contemporary issues

The chemical engineering program also meets the curriculum requirements specified by the American Institute of Chemical Engineers. Graduates must demonstrate:

- A thorough grounding in chemistry including organic and physical and a working knowledge of advanced chemistry such as inorganic, analytical, materials, polymers or biochemistry
- A working knowledge of material and energy balances, thermodynamics, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, and process economics and design

The Chemical and Biomolecular Engineering Department provides a unique opportunity to master teamwork and design project management skills. Teams of freshmen through senior Chemical and Corrosion Engineering undergraduates work on a realistic engineering design project. Besides experience with a range of current engineering topics, the projects allow students to develop teamwork, communication, presentation, project management and information technology skills.

4250: Corrosion Engineering

The corrosion engineering degree program is a comprehensive engineering program that incorporates the fundamental and applied aspects of aqueous and high temperature corrosion. The program incorporates laboratory and project management experiences throughout the curriculum. Students will be prepared to enter into the engineering workforce and make an impact in industries including Refining, Transportation Systems, Water Distribution, Energy, Food and Chemical Processing and others.

The corrosion engineering program is administered by the Department of Chemical and Biomolecular Engineering. The goal of the Chemical & Biomolecular Engineering Department is to prepare baccalaureate graduates with the necessary skills so that they can contribute to a highly technical global society through their professional careers. The philosophy of the department is to provide a strong theoretical foundation supported by practical applications of that knowledge, which is consistent with the mission of The University of Akron.

The specific educational objectives of the corrosion engineering program are that:

1. Make positive technical contributions to their business, profession, and/or community
2. Continue to develop their educational background and/or professional preparation
3. Enhance the quality of their work as practicing engineers by communicating well, working effectively on (multidisciplinary) teams, participating in service activities, and acting ethically in their professional duties

Graduates of the Corrosion Engineering Program will:

- Have a good grounding in math, chemistry, and physics
- Be able to apply math, chemistry, physics, and engineering principles
- Have knowledge of materials and mechanical properties of materials in particular
- Have knowledge of corrosion principles and degradation due to interaction with corrosive media
- Be able to identify, formulate, and solve corrosion engineering problems
- Be able to pose and develop solutions to corrosion problems considering environmental, health, safety, social, political, ethical, manufacturing, sustainability, and economic issues
- Be able to design structures to mitigate/avoid corrosion considering environmental, safety, ethical and economic issues
- Be able to design and conduct experiments and interpret the resulting data to measure and interpret the corrosion event (e.g. rate of corrosion and time to failure)
- Write and speak effectively in a technical setting
- Work effectively on (diverse) teams
- Be able to independently assimilate new information to sustain life long learning
- Understand ethical and professional responsibility
- Have broad education necessary to understand the impact of engineering in a global society
- Have knowledge of contemporary issues
- Be able to use modern engineering tools necessary for engineering practice

4300: Civil Engineering

Civil Engineers plan, design, build, and operate the infrastructure of modern society. This includes highways, bridges, buildings, power plants, industrial facilities, tunnels, seaports, airports, offshore structures and almost anything else needed as the basis of modern life. Civil engineers are also vigorously engaged in environmental activities, particularly creating safe water supplies and transporting it to where it is needed, collecting and treating wastewaters, cleanup of environmental problems, and insuring the safe disposal of solid wastes.

To achieve the high level of professional competence needed, an extensive study of mathematics, mechanics (both solids and fluids), engineering materials, structural design and environmental reactions is required. The civil engineering sub-topics that utilize these fundamentals are environmental, geotechnical, hydraulic, structural, and transportation engineering. The civil engineering curriculum at The University of Akron insures a firm grounding in all these sub-topic areas, while allowing a specialization, if desired, in the environmental, geotechnical, transportation, and structural areas. Engineering design problems are incorporated into courses in each area. The senior capstone design course presents a problem involving one, or possibly all, of these areas in the design of complex systems.

Most civil engineering graduates work for design consultants, construction companies, or governmental agencies. Others work for industrial firms and utilities. Many civil engineers own their own businesses.

Program Educational Objectives have been established that represent the projected abilities of a program graduate within a few years of graduation. The Civil Engineering Program Educational Objectives are the

foundation of the program. The Civil Engineering program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

Program Objective #1: Successfully and accurately complete Civil Engineering projects as part of a team, on time and within budget, in an ethical and professional manner, and using modern engineering tools-software

Program Objective #2: An ability to communicate effectively with written, oral, and visual means in both technical and non-technical settings

Program Objective #3: Professional service as evidenced by participation in a professional society and/or educational outreach activities

Program Objective #4: Engage in lifelong learning as evidenced by participation in continuing education courses, workshops, graduate courses, and by pursuing professional licensure

Program Objective #5: A basic knowledge of the business of engineering including how the private and public sector operate separately and collectively

The curriculum is designed to emphasize the fundamentals which place the graduate in a strong position to pursue further education, formally or informally, and to begin a career in any of the above areas. To meet the curriculum requirements specified by the American Society of Civil Engineers (ASCE), the civil engineering program will prepare students who have the following attributes:

Civil Engineering Student Outcomes

Foundational

- Solve problems in mathematics through differential equations and apply this knowledge to the solution of engineering problems
- Solve problems in calculus-based physics, chemistry, and one additional area of natural science and apply this knowledge to the solution of engineering problems
- Demonstrate the importance of the humanities in the professional practice of engineering
- Demonstrate the incorporation of social sciences knowledge into the professional practice of engineering

Technical

- Use knowledge of materials science to solve problems appropriate to civil engineering
- Analyze and solve problems in solid and fluid mechanics
- Specify an experiment to meet a need, conduct the experiment, and analyze and explain the resulting data
- Formulate and solve an ill-defined engineering problem appropriate to civil engineering by selecting and applying appropriate techniques and tools
- Evaluate the design of a complex system, component, or process and assess compliance with customary standards of practice, user's and project's needs, and relevant constraints
- Analyze systems of engineered works, whether traditional or emergent, for sustainable performance
- Analyze the impact of historical and contemporary issues on the identification, formulation, and solution of engineering problems and analyze the impact of engineering solutions on the economy, environment, political landscape, and society

- Analyze the loading and capacity, and the effects of their respective uncertainties, for a well-defined design and illustrate the underlying probability of failure (or nonperformance) for a specified failure mode
- Formulate documents to be incorporated into the project plan
- Analyze and solve well-defined engineering problems in at least four technical areas appropriate to civil engineering
- Evaluate the design of a complex system or process, or evaluate the validity of newly created knowledge or technologies in a traditional or emerging advanced specialized technical area appropriate to civil engineering

Professional

- Plan, compose, and integrate the verbal, written, virtual, and graphical communication of a project to technical and non-technical audiences
- Apply public policy process techniques to simple public policy problems related to civil engineering works
- Apply business and public administration concepts and processes
- Analyze engineering works and services in order to function at a basic level in a global context
- Organize and direct the efforts of a group
- Function effectively as a member of a multidisciplinary team
- Demonstrate attitudes supportive of the professional practice of civil engineering
- Plan and execute the acquisition of required expertise appropriate for professional practice
- Justify a solution to an engineering problem based on professional and ethical standards and assess personal professional and ethical development

- Achieve competitively compensated electrical engineering positions or related professional positions, or entry into programs of advanced study
- Prove to be highly competent and productive in electrical engineering or related practice
- Continue to develop professionally through both practical experience and a lifelong commitment to learning
- Exhibit high standards of ethical conduct, societal responsibility, and professionalism in engineering.

In order to achieve these objectives, students graduating from the Electrical Engineering program have:

- an ability to apply knowledge of mathematics, science, and engineering
- an ability to design and conduct experiments as well as to analyze and interpret data
- an ability to design a system, component, or process to meet desired needs within realistic constraints
- an ability to function on multi-disciplinary teams
- an ability to identify, formulate, and solve engineering problems
- an understanding of professional and ethical responsibilities
- an ability to communicate effectively
- the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- a recognition of the need for, and ability to engage in life-long learning
- a knowledge of contemporary issues
- an ability to use techniques, skills, and modern engineering tools necessary for engineering practice
- an understanding of safety issues in electrical engineering

4400: Electrical Engineering

Electrical Engineering Fundamentals

Every aspect of modern life is influenced by electrical engineers. They design and develop systems ranging from massive power grids and global communications networks to tiny integrated circuits inside computers and personal electronics. Branches of electrical engineering include communications, controls, electromagnetics, electronics, and power systems. Important applications include power generation and distribution, sustainable energy systems, manufacturing automation, aerospace systems, robotics, sensors and instrumentation, imaging systems, and many others.

The Electrical Engineering program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>. Our comprehensive curriculum prepares students to identify, formulate, and execute solutions to real-world problems. Students learn how to use modern engineering tools in well-equipped laboratories, with activities that reinforce the concepts learned in the classroom. The curriculum emphasizes design and teamwork, and culminates in a capstone senior design project that integrates the material learned in earlier courses. Our well-established co-op program enables students to strengthen the connections between theory and practice in a professional setting, and provides valuable industrial experience.

The educational objectives of the Electrical Engineering program are that its graduates:

4450: Computer Engineering

In addition to traditional large computer applications, devices containing some form of embedded computing system are becoming pervasive in our society. Computer engineers design and develop hardware and software for all of these systems, ranging from software applications to communication networks to components in computing systems to small embedded sensors. Branches of computer engineering include operating systems, embedded systems design, digital circuits, algorithms, software design, and computer architecture among others. Important applications include wired and wireless networks, simulation, automation, digital control, sensing, robotics, "apps," data management, and many others.

The Computer Engineering program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>. Our comprehensive curriculum prepares students to identify, formulate, and execute solutions to real-world problems. Students learn how to use modern engineering tools in well-equipped laboratories, with activities that reinforce the concepts learned in the classroom. The curriculum emphasizes design and teamwork, and culminates in a capstone senior design project that integrates the material learned in earlier courses. Our well-established co-op program enables students to strengthen the connections between theory and practice in a professional setting, and provides valuable industrial experience.

The educational objectives of the Computer Engineering program are that its graduates:

- Achieve competitively compensated computer engineering positions of related professional positions, or entry into programs of advanced study
- Prove to be highly competent and productive in computer engineering or related practice
- Continue to develop professionally through both practical experience and a lifelong commitment to learning, and
- Exhibit high standards of ethical conduct, societal responsibility, and professionalism in engineering.

In order to achieve these objectives, students graduating from the Computer Engineering program have:

- an ability to apply knowledge of mathematics, science, and engineering
- an ability to design and conduct experiments as well as to analyze and interpret data
- an ability to design a system, component, or process to meet desired needs within realistic constraints
- an ability to function on multi-disciplinary teams
- an ability to identify, formulate, and solve engineering problems
- an understanding of professional and ethical responsibilities
- an ability to communicate effectively
- the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- a recognition of the need for, and ability to engage in life-long learning
- a knowledge of contemporary issues
- an ability to use techniques, skills, and modern engineering tools necessary for engineering practice
- an understanding of safety issues in computer engineering

4600: Mechanical Engineering

Mechanical engineers design and analyze physical systems and are employed in a variety of industries in different capacities. Mechanical engineers play important roles in many types of companies, including automotive, petroleum, energy generation and conversion, aerospace, tire, consulting, chemical, electronic, and manufacturing.

The Mechanical Engineering curriculum at The University of Akron is designed to give the student knowledge of fundamental principles of the (1) thermal/fluids stem, (2) structures and motion stem, and (3) controls stem of mechanical engineering, as well as the application of these principles to pertinent problems. A significant measure of the mechanical engineering education is the degree to which it has prepared the graduate to pursue a productive engineering career that is characterized by continued professional growth.

The Mechanical Engineering program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>. The Mechanical Engineering program identifies program educational objectives that describe what their graduates are expected to attain within a few years of graduation. They are as follows:

1. Practice the mechanical engineering discipline successfully within community accepted standards
2. Acquire teamwork and communications skills to develop a successful career in mechanical engineering

3. Fulfill professional and ethical responsibilities in the practice of mechanical engineering, including social, environmental and economic considerations
4. Engage in professional service, such as participation in professional society and community service
5. Engage in life-long learning activities, such as graduate studies or professional workshops
6. Develop a professional career in the prevailing market that meets personal goals, objectives and desires

To meet those program educational objectives as well as the curricular requirements specified by the American Society of Mechanical Engineers (ASME) for accreditation, the Mechanical Engineering program identifies student outcomes, which are what students are expected to know and be able to do by the time of graduation. They are as follows:

- A. Apply knowledge of mathematics, science and engineering in a logical and discerning manner
- B. Design and perform laboratory experiments for thermal, fluid, materials and mechanical systems; know how to analyze and interpret results
- C. Design thermal, fluid, mechanical, materials, and control systems to meet specifications within environmental, social, political, ethical, health and safety, manufacturability and sustainability constraints
- D. Participate effectively in teams involving several disciplines
- E. Identify, formulate, and solve thermal, fluid, materials, and mechanical problems by applying first principles, including open-ended problems
- F. Develop practical solutions for mechanical engineering problems under professional and ethical constraints
- G. Communicate effectively with written, oral, and visual means in a technical setting
- H. Understand the impact of engineering in a global, economic, environmental, and societal context
- I. Be prepared for a lifetime of continuing education
- J. Know about contemporary issues in engineering
- K. Have an ability to use modern modeling and simulation techniques, and computing tools

4700: Mechanical Polymer Engineering

The Department of Mechanical Engineering in cooperation with the Department of Polymer Engineering has developed the undergraduate program in Mechanical Polymer Engineering. This program integrates mechanical engineering science and design with polymer processing science and technology.

The Mechanical Polymer Engineering curriculum at The University of Akron is designed to give the student knowledge of fundamental principles as well as the application of these principles to polymer processing problems. A significant measure of the Mechanical Polymer Engineering education is the degree to which it has prepared the graduate to pursue a productive engineering career in the polymer industry that is characterized by continued professional growth.

The Mechanical Polymer Engineering program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>. The Mechanical Polymer Engineering program identifies program educational objectives that describe what their graduates are expected to attain within a few years of graduation. They are as follows:

1. Practice the mechanical or mechanical-polymer engineering discipline successfully within community accepted standards

2. Acquire teamwork and communications skills to develop a successful career in mechanical or mechanical-polymer engineering
3. Fulfill professional and ethical responsibilities in the practice of mechanical or mechanical-polymer engineering, including social, environmental and economic considerations
4. Engage in professional service, such as participation in professional society and community service
5. Engage in life-long learning activities, such as graduate studies or professional workshops
6. Develop a professional career in the prevailing market that meets personal goals, objectives and desires

To meet those program educational objectives for accreditation, the Mechanical Polymer Engineering program identifies student outcomes, which are what students are expected to know and be able to do by the time of graduation. They are as follows:

- A. Apply knowledge of mathematics, science and engineering in a logical and discerning manner
- B. Design and perform laboratory experiments for thermal, fluid, materials and mechanical systems; know how to analyze and interpret results
- C. Design thermal, fluid, mechanical, materials, and control systems to meet specifications within environmental, social, political, ethical, health and safety, manufacturability and sustainability constraints
- D. Participate effectively in teams involving several disciplines
- E. Identify, formulate, and solve thermal, fluid, materials, and mechanical problems by applying first principles, including open-ended problems
- F. Develop practical solutions for mechanical polymer engineering problems under professional and ethical constraints
- G. Communicate effectively with written, oral, and visual means in a technical setting
- H. Understand the impact of engineering in a global, economic, environmental, and societal context
- I. Be prepared for a lifetime of continuing education
- J. Know about contemporary issues in engineering
- K. Have an ability to use modern modeling and simulation techniques, and computing tools

4800: Biomedical Engineering

Biomedical Engineering is a highly interdisciplinary field of engineering which combines a fundamental understanding of engineering principles with an appreciation of the life sciences. Biomedical Engineers are prepared to solve problems in the health care industry and interact equally with other engineers and health care professionals. Students are prepared to embark on careers in research, design and development of medical devices, instrumentation, analysis tools, clinical evaluation methods, systems and processes, and other forms of medical technology.

The development of an in-depth understanding of the fundamentals of engineering is essential and therefore a degree in Biomedical Engineering focuses first on core engineering coursework, followed by advanced applications specific to the field of Biomedical Engineering. To maintain a core understanding of engineering, the program is divided into three tracks: Biomechanics; Instrumentation, Signals and Imaging; and Biomaterials and Tissue Engineering. The Biomechanics track is designed for those students who would pursue a Mechanical Engineering background with specialization in the areas of cardiovascular, orthopedic, rehabilitation engineering or system simulations. The Instrumentation, Signals and Imaging track is designed for those students who wish to pursue an Electrical Engineering background with specialization in biomedical instrumentation, signal and image processing, imaging

devices, detectors, or system simulations. The Biomaterials and Tissue Engineering track is designed for those students who desire to focus on the cellular aspects of Biomedical Engineering with specialization in the areas of material interactions with the human body, design and development of biomaterials, including tissue engineering and drug delivery systems.

Students in the Department of Biomedical Engineering receive individual advising in their areas of interest. Graduates of the program will be prepared to apply their knowledge of engineering and medicine to design, test and evaluate systems or system components to be used in the health care industry, to design and develop research projects, including the analysis and interpretation of data and the dissemination of results, and to participate in other biomedical engineering problem solving activities. Graduates will also be well prepared to enter graduate study in Biomedical Engineering, Medical School or other professional professionals.

The Biomedical Engineering program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>. The Biomedical Engineering program identifies program educational objectives that describe what their graduates are expected to attain within a few years of graduation. Accordingly, the educational objectives of the Biomedical Engineering program are to educate biomedical engineers who:

1. Are viewed as technically competent at the interface between engineering and medicine as evidenced by:
 - a. Creative and innovative problem solving
 - b. Performance as a contributing team member
 - c. Ethical and professional actions
 - d. An ability to interface with diverse constituencies
 - e. A knowledge of intellectual property and federal regulations
2. Possess an ability to communicate effectively with written, oral and visual means in both technical and non-technical settings
3. Exhibit continual professional development as evidenced by:
 - a. Attendance at conferences, workshops or other training courses
 - b. Enrollment in graduate, medical or other professional schools
 - c. Active participation in professional societies.
4. Exhibit continual professional service as evidenced by:
 - a. Active participation in professional societies
 - b. Service as a mentor
5. Are advancing on their chosen career path

Evaluation of the Bachelor's Degree Program in Biomedical Engineering is ensured through the use of exit-interviews and alumni tracking and survey procedures. The Department of Biomedical Engineering has established the following student outcomes. Graduates of the undergraduate program in Biomedical Engineering will possess:

- The ability to demonstrate a basic knowledge of biology, anatomy, and physiology, fundamental engineering conservation laws and track-specific engineering principles as applied to biomedical engineering
- The ability to devise, design, and conduct biomedical engineering experiments and analyze the results
- The ability to design medical devices, systems or techniques to meet specific goals

- The ability to participate effectively as a member of a multi-disciplinary team
- The ability to recognize, define, evaluate and solve biomedical engineering problems
- An understanding of professional and ethical responsibility in biomedical engineering
- The ability to communicate effectively with multi-disciplinary groups using written, oral and visual means
- The ability to appreciate the impact of biomedical engineering on society
- The ability to pursue/sustain active professional growth
- A knowledge of contemporary issues in medicine and engineering, as well as an awareness of current developments in society and technology
- An ability to use modern techniques, skills and tools for biomedical engineering practice
- The ability to apply advanced mathematics (including differential equations and statistics), science and engineering to solve problems at the interface of engineering and biology
- The ability to make measurements on and interpret data from living systems, and
- The ability to address the problems associated with the interaction between living and non-living materials and systems

4900: Aerospace Systems Engineering

The Bachelor of Science in Aerospace Systems Engineering degree program is intended to produce engineers who possess both a broad, interdisciplinary knowledge of aerospace engineering fundamentals and who will be able to move quickly into the role of project managers, the precursor position to program managers and ultimately, senior managers. These engineers can lead multidisciplinary teams and bring about the integration of components in a variety of systems. The program includes basic engineering and aerospace courses and will also include specific non-engineering courses, selected to meet the goal of developing future senior technical leaders for our aerospace industries. The program features a mandatory co-op component that begins following the sophomore year. The co-op requirement is expected to fill out the student's technical background as well as provide a basis for broad personal growth that is part of the aim of the General Education requirement. Three fewer hours of General Education courses are required for Aerospace Systems Engineering due to the mandatory co-op.

To meet the curriculum requirements specified by the American Institute of Aeronautics and Astronautics for ABET accreditation, the undergraduate program in Aerospace Systems Engineering must satisfy the following program outcomes:

- Apply knowledge of mathematics, science and engineering in a logical and discerning manner
- Design and perform laboratory experiments for thermal, fluid, mechanical, and aerospace systems; know how to analyze and interpret results
- Design thermal, fluid, mechanical and control systems as well as airborne structures or propulsion systems to meet specifications within environmental, social, political, ethical, health and safety, manufacturability and sustainability constraints
- Participate effectively in teams involving several disciplines

- Identify, formulate, and solve thermal, fluid, mechanical and aerospace systems problems by applying first principles, including open-ended problems
- Develop practical solutions for aerospace systems engineering problems under professional and ethical constraints
- Communicate effectively with written, oral, and visual means in a technical setting
- Understand the impact of engineering in a global, economic, environmental, and societal context
- Be prepared for a lifetime of continuing education
- Know about contemporary issues in engineering
- Have an ability to use modern modeling and simulation techniques, and computing tools

Bachelor of Science in Engineering

This degree program was established to introduce flexibility into the College of Engineering. Within the 66 credits of the option portion of the program, a student can pursue a focused curriculum in areas such as business administration, industrial management, environmental engineering, biomedical engineering, and pre-medicine. The program of study may be very narrow as in the case of a student wishing to specialize in structural design, foundation and soil mechanics. For another student interested in patent law, the program may be broad, touching on chemical, mechanical, and electrical engineering subjects. The individual's program is designed to meet each student's goals.

Admission

Admission to the program is restricted. A student requests admission by letter to the associate dean of the College of Engineering, outlining in some detail the particular objective and how the Bachelor of Science in Engineering program may enable the student prepare for career goals.

General Education and Science Core (must include the following): 61

3150:151 Principles of Chemistry I

3150:152 Principles of Chemistry I Laboratory

3150:153 Principles of Chemistry II

3450:221 Analytic Geometry-Calculus I

3450:222 Analytic Geometry-Calculus II

3450:223 Analytic Geometry-Calculus III

3450:335 Introduction to Ordinary Differential Equations

3470:401 Probability and Statistics for Engineers

or

3470:461 Applied Statistics

3650:291 Elementary Classical Physics I

3650:292 Elementary Classical Physics II

Program Options Engineering 40

Program Options 26

Free Electives, advisor approval 10

College of Health Professions

The College of Health Professions brings together the School of Nursing, School of Nutrition/Dietetics, School of Social Work and School of Speech-Language Pathology and Audiology. Learn more about the schools and their admissions requirements:

School of Nursing

School of Nutrition/Dietetics

School of Social Work

School of Speech-Language Pathology and Audiology

Programs of Instruction

College of Health Professions Programs of Instruction

Programs of Instruction

College of Health Professions Programs of Instruction

Learn more about the undergraduate degree programs of instruction offered by the College of Health Professions. For specific curriculum guides for bachelor's degrees, minors and certificates offered through the College, see the Undergraduate Curriculum Guides section of the Undergraduate Bulletin.

Nursing

Bachelor of Science in Nursing

Full-time Option

Part-time Option

R.N. to B.S.N. Program

(This sequence is limited to registered nurse graduates of Associate Degree and Diploma nursing programs.)

The RN to BSN program is designed for the registered nurse with a diploma or associate degree of nursing. It is specifically designed for those who are interested in obtaining the baccalaureate degree in nursing and/or continuing on to a master's degree in nursing. The RN program consists of 32 hours of upper-division baccalaureate coursework. During the RN-BSN program, students may opt to take up to 3 graduate courses for a total of 8 credits towards their MSN. Continuation in the graduate program is predicated on meeting graduate program requirements and acceptance into the graduate nursing program.

Accelerated Option for the Basic Baccalaureate in Nursing Program

The accelerated option is designed for those students with a baccalaureate degree and prerequisites to earn a Bachelor of Science Degree in Nursing in four semesters - one academic year and two summers.

LPN/BSN Sequence

The sequence is designed for LPNs who completed a practical nursing curriculum, as well as LPNs with bachelor's degrees in an area other than nursing. The pathway provides learning activities that build on prior knowledge and experience.

Nutrition & Dietetics

Bachelor of Science in Dietetics

To become a registered dietitian (RD), a student must complete the academic requirements, complete a minimum of 1,200 hours of supervised experience in dietetic practice, obtain appropriate verification, and pass the dietetic registration examination. Only accredited programs like those at The University of Akron are recognized by the Academy of Nutrition and Dietetics.

The University of Akron has two routes to prepare a student for a career in dietetics – the Didactic Program (DP) and the Coordinated Program (CP). The Didactic Program includes all required coursework necessary to apply for a dietetic internship. The Coordinated Program allows students to complete 1,200 hours of supervised experience along with regular

coursework during their junior and senior years. Regardless of the option chosen, students must have successfully completed their coursework and clinical experience before they are eligible to take the registration examination.

The University of Akron students apply through the College of Health Professions Dean's Office to be considered for admission into the dietetics major. Students must meet the minimum criteria listed below:

3.0 overall GPA

Completion of prerequisite courses with a grade of "C" or better

The curriculum for DP and CP are the same for the first year. Students who desire to be admitted to the CP may apply to the program when CP program prerequisites have been completed. Seats are limited and entry is competitive. Students who do not enter the CP program but meet other program requirements will continue in the DP program.

Bachelor of Science in Food and Environmental Nutrition

Students obtaining a Bachelor of Science degree in Food and Environmental Nutrition will qualify for the food industry in food marketing, entrepreneurship, quality control, quality assurance, and food product design. This major creates professionals to provide the expertise to meet the challenges of the food industry. Employment is generally with food manufacturers and related businesses with an emphasis on marketing and the consumer.

Students must meet the requirements to be admitted to the College of Health Professions, the School of Nutrition & Dietetics, and the Food and Environmental Nutrition program.

Social Work

7750: Social Work

Consistent with the mission of The University of Akron and the College of Health Professions, the mission of the undergraduate social work program is to prepare students for competent and effective generalist practice. The goals of the undergraduate social work program are to: 1) prepare students to integrate the knowledge, values and skills of the social work profession for competent and effective generalist practice with diverse client systems in various practice settings; 2) prepare students to identify the strengths and abilities of diverse client systems to foster empowerment toward social justice and systematic well-being; and 3) prepare students to utilize theoretically-based social work research, knowledge and critical thinking skills for effective and ethical social work practice. The social work major is an accredited undergraduate professional program preparing students for entry-level practice positions in social service agencies employing Social Workers.

Elective courses are available in such areas as health, child welfare, mental health, grant writing, family service, corrections, etc. Certificate programs in Pan-American Studies, Addiction Services, Gerontology (Aging) and Victim Studies can be scheduled within the elective framework of the curriculum.

The Bachelor of Arts degree with a major in social work requires completion of 14 credits of a foreign language (Spanish is recommended; sign language as well as other foreign languages are accepted). The Bachelor of Arts in Social Work degree does not require a second language. Both degrees require 120 hours. Students who complete an associate degree program with a social services emphasis can complete either the B.A. or B.A./S.W. curriculum in social work by completing the required courses.

The Social Work Program at The University of Akron is fully accredited by the Council on Social Work Education.

Students wishing to major in social work must request an intercollege transfer to the College of Health Professions, School of Social Work from their current college. A 2.75 grade point average and 30 credit hours is required for admission to the School. Once admitted to the School, a separate admissions packet must be completed with the School in order to be admitted as a social work major in good standing.

Speech-Language Pathology and Audiology
7700: Speech-Language Pathology and Audiology

The program in Speech-Language Pathology of The University of Akron is accredited by the Council on Academic Accreditation of The American Speech-Language-Hearing Association. The Doctor of Audiology program at the University of Akron, in association with the Northeast Ohio Audiology Consortium, is also accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

The School of Speech-Language Pathology and Audiology offers an undergraduate (preprofessional) program of academic training in speech-language pathology and audiology. Audiologists are hearing care specialists for evaluation and treatment of individuals with hearing and balance disorders. Scope of practice includes conducting hearing assessments, selecting and fitting hearing aids/assistive listening devices, programming cochlear implants, testing balance, and counseling regarding hearing loss. Speech-language pathologists work with children and adults with language, voice, fluency, articulatory and phonologic, cognitive and swallowing disorders. They provide assessment and treatment for these disorders as well as working in prevention of them.

Course work focuses on the evaluation and treatment of the many disordered communication processes. Students who qualify academically may also take the elective course: 7700:446 Observation and Clinical Techniques. This course includes accumulation of a minimum of 25 hours of supervised observation, as required for graduate study by the American Speech-Language-Hearing Association. The preprofessional undergraduate program prepares students to pursue a master's degree, which is required for employment and licensure as a speech-language pathologist. A doctoral degree (Au.D.) is required for licensure as an audiologist.

Typical work settings for speech-language pathologists and audiologists include: schools, hospitals, clinics, private practice, physicians' offices, industry and universities.

Allied Health
Bachelor of Science in Respiratory Therapy

This Bachelor of Science program is accredited by the Commission on Accreditation for Respiratory Care, 1248 Harwood Road, Bedford Texas, 76021, 817-283-2835; www.coarc.com. The program prepares graduates to perform respiratory therapy procedures, under the direction of a physician. This program emphasizes critical thinking and assessment of patients with cardiopulmonary disorders. Admission is selective due to space availability in the clinical component of the program.
Associates of Science

2740: Medical Assisting Technology

This program provides students with the background to perform a wide range of tasks in the physician's office and other ambulatory health care settings. Administrative tasks include ICD-9-CM & CPT coding and medical software usage. Clinical tasks include injections, phlebotomy,

assisting with minor surgery, minor office procedures, and CLIA waived laboratory tests.

The Medical Assisting Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), on recommendation of the Curriculum Review Board of the American Association of Medical Assistants

Endowment (AAMAE). CAAHEP, 1361 Park St., Clearwater, Fla., (727) 210-2350, www.caahep.org.

2760: Radiologic Technology

This program prepares graduates to perform radiologic examinations under a physician's direction for diagnosis and treatment of physical diseases and injuries. The University of Akron offers this associate degree in conjunction with an area hospital school of radiology, which maintains national accreditation. Upon completion of the accredited program in radiologic technology the student will earn the associate in applied science degree at The University of Akron, and become eligible for the registry exam. (Selective Admission)

2770: Surgical Technology

This program trains people to prepare equipment and assist the physician and other members of the surgical team with patient care and related services in the hospital operating room. (Selective Admission with a deadline for application of April 15)

2780: Healthcare Simulation Technology

This program provides the healthcare student with a simulated clinical environment through high-fidelity mannequins that breathe, blink, talk, and bleed. The healthcare student can also start IV's as well as perform many medical procedures that simulate the real life experience of taking care of a patient. As a Simulation Technologist you are the operator that runs this technology.)

Sport Science & Wellness Education
5550: Physical Education

The Department of Sport Science and Wellness Education offers the following undergraduate programs:

Physical Education (Pre K-12)
Athletic Training Education Program
Exercise Science
Sport Studies
Licensure in Dance (Pre-K-12)

Students must earn a "C" or better in all Physical Education courses to be recommended for licensure.

5560: Outdoor Education

Admission Suspended
5570: Health Education

Health Education with Licensure

5570: Community Health and Wellness Education

Community Health (Admission Suspended)

Students must earn a "C" or better in all Physical Education courses to be recommended for licensure.

Williams Honors College

Admission

Applicants are automatically considered for admission to the Williams Honors College once they have completed an application to The University of Akron.

To be admitted to the Williams Honors College, a student must be enrolled as a full-time student in a bachelor's degree program. A student may be admitted to the Williams Honors College upon graduation from high school, upon transfer from another college or university, or as a continuing student at The University of Akron.

Admission to the Williams Honors College will be offered to applicants entering from high school who provide evidence of the following:

High school grade-point average of 3.75 or above and an ACT score of 25 or 26

High school grade-point average of 3.5 or above and either an ACT score of 27 or above or SAT ranking in the highest 10 percent nationally

Other applicants, whether transfer students or continuing undergraduates, must satisfy the following:

Grade-point average of 3.6 or above

Completed fewer than 64 credits of college coursework

Honors Curriculum

Academic Majors

A Williams Honors College student completes the requirements for a major in one of the colleges awarding bachelor's degrees and enrolls in select honors classes. The Honors Research Project counts as advanced coursework.

Honors Distribution

In place of The University of Akron General Education requirements, a Williams Honors College student completes an individually selected set of courses to meet the Honors Distribution. The Honors Distribution consists of the following four group requirements totaling at least 38 credits:

Group I (The Humanities)

Six or more credits in courses offered by these departments:

2040: Black Experience
 3001: Women's Studies
 3002: Pan-African Studies
 3200: Classical Studies
 3240: Archaeology (depending on the course)
 3400: World Civilizations
 3400: Humanities in the Western Tradition
 3400: History
 3220: Latin
 3600: Philosophy

Group II (Languages and the Arts)

Six credits of English Composition (Honors) and/or other English; and three or more credits from the other departments listed below:

2020:222 Tech Rep Writing (with certain restrictions)
 3300: English
 3500: Arabic

3500: Chinese
 3500: Japanese
 3520: French
 3530: German
 3550: Italian
 3570: Russian
 3580: Spanish
 7100: Art
 7500: Music
 7520: Applied Music Lessons
 7600: Communication
 7700: Sign Language
 7800: Theatre
 7900: Dance

Group III (The Social Sciences)

Six or more credits in courses offered by the departments below:

2040: Human Relations
 2040: American Urban Society
 2040: Diversity in American Society
 3006: Institute for Life-Span/Gerontology
 3230: Anthropology
 3240: Archaeology
 3250: Economics
 3350: Geography and Planning
 3700: Political Science
 3750: Psychology
 3850: Sociology

Group IV (The Natural Sciences and Mathematics)

Three or more credits in mathematics, computer science, or statistics; and six or more credits of science courses, including a lab:

3100: Biology
 3150: Chemistry
 3230:151: Human Evolution
 3370: Geology
 3450: Mathematics (135 or higher)
 3460: Computer Science
 3470: Statistics
 3650: Physics

Students should select an honors section of a course if an honors section is offered. Suggested courses and special cases are noted on the Williams Honors College web page.

Honors Colloquia

All Williams Honors College students participate in the Honors Colloquium series: Humanities, social sciences, and natural sciences. These one-semester, two-credit courses are interdisciplinary seminars open only to Williams Honors College students.

1870:250 Honors Colloquium: Humanities
 1870:360 Honors Colloquium: Social Sciences
 1870:470 Honors Colloquium: Natural Sciences

Honors Research Project

Williams Honors College students are required to complete an Honors Research Project. This capstone of the WHC student's academic and pre-professional studies begins with a choice of faculty adviser and submission of a proposal in the junior year. Students work intensively,

with the guidance of a faculty sponsor, on a thesis, investigation, production, or problem of the student's choice. In designing, completing, and reporting on their Honors Research Projects. The students have unique opportunities to apply their learning and test their abilities. Students should register for Honors Research Project course credit, totaling at least two credits, in their major department.

Other Features
Scholarships

Students admitted to the Williams Honors College are eligible for academic scholarships awarded by the Office of Admissions, ranging from \$500 to \$6000. The Lisle M. Buckingham/Orr Prestigious Scholarships, which provide tuition and general fees, room and board, for up to eight semesters, is awarded after an invitation to interview. Advising

An Honors Faculty Adviser is available to advise Williams Honors College students in each academic department. With this Honors Faculty Adviser's guidance, the student plans the Honors Distribution and schedules what is needed to meet departmental, college, and Williams Honors College degree requirements. Professional Honors advisers are also available in the Williams Honors College office to assist with general academic advisement issues, personal and career counseling. Priority in Registration and Residence Assignment

Williams Honors College students are among the first students to register for classes each semester. In addition, new Williams Honors College students have exclusive access to the Honors complex, which also houses the Williams Honors College offices, computer facilities, seminar, individual and group study rooms, and meeting spaces for the use of commuting WHC students. Access to Graduate Courses

With the permission of the WHC Faculty Adviser and the graduate program instructor, a Williams Honors scholar may enroll in graduate courses for either undergraduate credit or up to 12 credits of graduate credit.

The Honors Advisory Council

Consisting of faculty representing the colleges granting the bachelor's degree and the Dean of the Williams Honors College, the Honors Advisory Council is responsible for decisions on the definition of policies and procedures appropriate to the mission of the WHC.

College of Applied Science and Technology

Cooperative Education

Minimum requirements for cooperative education students include the following:

Enrollment in a program of study offered by College of Applied Science and Technology wherein cooperative education has been established
Minimum grade-point average of 2.00 for all University of Akron coursework and a minimum of 2.00 for all coursework applicable to the program of study

Completion of specific courses and/or credits for a particular program as approved by the college faculty

Programs of Instruction

College of Applied Science and Technology Programs of Instruction

Learn more about the programs of instruction offered by College of Applied Science and Technology. For specific curriculum guides for associate and bachelor's degrees, minors and certificates offered through the College, see the Undergraduate Curriculum Guides section of the Undergraduate Bulletin.

Baccalaureate Degree Programs of Instruction
Computer Information Systems, Networking Option (Step-Up)

Baccalaureate level graduates have learned business computer and network applications and practices consistent with the requirements of the modern information technology professional. This program emphasizes the knowledge and applied skills necessary to succeed in today's environment.

The networking option allows students to attain an in-depth study of network management including building, securing, managing, and troubleshooting multimedia wired and wireless LAN and WAN networks.

Students entering the Computer Information Systems program must demonstrate a fundamental knowledge of computers by examination or take the necessary courses prior to enrolling in the program.
Computer Information Systems, Specialized IT Applications Option

The bachelor of science in Computer Information Systems, Specialized IT Applications Option is designed to prepare an individual to manage a technical lab environment in a specific field of study, such as health care or manufacturing. The student learns equipment repair, maintenance and management techniques, as well as deploying a networked set of equipment specific to the application field of study.
Computer Information Systems, Programming Option (Step-Up)

The bachelor of science in Computer Information Systems, Programming option allows students to attain an in-depth study of effective business application development, client/server database application development, and database management.
Computer Information Systems, Web Development Option (Step-Up)

The bachelor of science in Computer Information Systems, Web Development option allows students to attain an in-depth study of effective web design and management, web application development, and database management.
Computer Information Systems, Digital Forensics

Students in the program will acquire the skills and knowledge that are needed by the digital forensics professional. This program requires students to study and master network security, intrusion detection, infrastructure protection, cyber attacks, cryptography, and the collection, preservation, examination, analysis, documentation, and presentation of digital artifacts.

Emergency Management and Homeland Security (Step-Up) Degree Programs Full Four Year and Step-up

Bachelor of Science in Emergency Management and Homeland Security

Emergency Management and Homeland Security studies events or threats such as natural disasters, terrorist incidents, and technological hazards. Students will acquire specialized knowledge in disaster management through prevention/mitigation, preparedness, response, and recovery actions utilizing an All-Hazards focused approach. This dynamic discipline prepares graduates for careers in the governmental, corporate,

public health, and nonprofit sectors. Emergency Management and Homeland Security can be a career that makes a difference in people's lives.

The program offers a Bachelor of Science degree along with a minor and certificate which is accredited by the International Fire Service Accreditation Congress (IFSAC). Students can step-up from responder related Associates Degrees such as criminal justice or fire protection. Students can also choose to follow a traditional college program with little or no bridgework.

All university general education requirements must be completed as outlined in this Bulletin.

This program is accredited by International Fire Service Accreditation Congress (IFSAC) Oklahoma State University, 1700 West Tyler Stillwater, OK 74078-8075; Phone: (405) 744-8802; www.ifsac.org.

Bachelor of Organizational Supervision (Step-Up)

The degree builds on the skills and knowledge acquired at the associate degree level. The baccalaureate program provides graduates with advanced supervisory and leadership competencies critical for professional career advancement.

Engineering and Science Technology (Step-Up)

The baccalaureate-level programs in Engineering Technology are intended to fill the widening gap in industry between the professional engineer and the engineering technician. The graduate of these programs works in close support of engineers, translating conceptual ideas into functioning systems and providing supervisory direction for the implementation of these ideas by technicians and craftspeople.

These programs are designed as transfer programs to permit the qualified engineering technology student to continue education to the baccalaureate degree. During the first and second years of full-time study, a student follows an associate degree program in the corresponding engineering technology. The third and fourth years of full-time study provide the additional study required for the baccalaureate degree. Emphasis is placed on advanced training in the student's field of specialization, broadened knowledge of related technical fields, extended general education, and basic management training.

Programs are available in automated manufacturing engineering technology, electronic engineering technology, mechanical engineering technology, surveying and mapping, and construction engineering technology. It is intended that a graduate will find employment in manufacturing, technical sales and service, application engineering, inspection and testing and the more standardized aspects of engineering design.

Bachelor of Science in Automated Manufacturing Engineering Technology

The Bachelor of Science in Automated Manufacturing Engineering Technology is an upper-level degree program designed to provide the student with additional education beyond an AAS degree. A Manufacturing Engineering Technology associate degree program serves as the first two years. Although an associate manufacturing program is cited, graduates from other related associate programs can frequently enter the program with little or no bridgework.

Bachelor of Science in Electronic Engineering Technology

Accredited by the Engineering Technology Accreditation Commission of ABET.

Graduates of the Electronic Engineering Technology program will work with engineers in developing, manufacturing, testing and servicing Electrical/Electronic components, equipment and systems.

Bachelor of Science in Mechanical Engineering Technology

Accredited by the Engineering Technology Accreditation Commission of ABET.

This program prepares individuals to work as Technologists in applying specific principles to the analysis, design, development, implementation, or oversight of advanced mechanical systems or processes.

Bachelor of Science in Construction Engineering Technology

Accredited by the Engineering Technology Accreditation Commission of ABET.

The B.S. in Construction Engineering Technology degree program is a three year, upper level degree program designed to provide the student with additional education beyond the AAS degree in Construction Engineering Technology. This degree is also designed to meet the formal education requirements for registration as a Professional Engineer in the State of Ohio. This upper degree program is defined as follows: The first two years are completed as an AAS degree in Construction Engineering Technology or similarly based program. Two of the remaining three years are for the completion of prescribed course work. The remaining year of the three years is devoted to a cooperative work experience in the construction field. The student normally enters the co-op segment between the junior and senior years.

The B.S. in Construction Engineering Technology degree program includes classroom, laboratory, and industry experiences which prepare students for careers in the construction industry and other allied industries.

Bachelor of Science in Surveying and Mapping

Accredited by the Applied Science Technology Accreditation Commission of ABET.

The Bachelor of Science in Surveying and Mapping is an upper level degree program designed to meet the formal education requirements for registration as a Professional Surveyor (P.S.) in the State of Ohio. The first two years are completed as an Associate of Applied Science (A.A.S.) degree in Land Surveying or a program that has similar content. Two of the three remaining years are for the completion of courses for the degree. The remaining year is devoted to cooperative work experience.

Associate Degree Programs of Instruction

Specialized technical programs are offered in the following departments of the college:

- Engineering and Science Technology
- Applied General and Technical Studies
- Public Service Technology
- Business and Information Technology

These programs lead to the Associate in Applied Science, Associate in Applied Business (carrying a designation of the specific program), and Associate of Technical Study. In addition, programs in liberal arts

leading to the Associate of Arts and Associate of Science is offered in the Department of Applied General and Technical Studies.

Requirements for Graduation

Candidates for the associate degree must:

- Complete the required courses listed in the program
- Complete as a minimum, the number of credits listed for each program
- Earn a minimum grade-point average of 2.00 at The University of Akron
- Be recommended by the faculty
- Earn a minimum of 16 credits and spend the last semester in residence at the University unless excused by the dean of the college
- Complete other University requirements
- A student who expects to receive a second associate degree must earn a minimum of 16 credits in residence which have not counted toward the student's first degree

Applied General and Technical Studies

202000: Associate of Arts

The Associate of Arts degree cultivates in students the habit of life-long learning through a diverse curriculum and teaches students to think critically and creatively about their perceptions of ideas, events and people. This degree is designed to position the student for successful employment, career advancement or more focused study at the baccalaureate level.

202005: Associate of Science

The Associate of Science degree teaches students to think critically and creatively about their perceptions of ideas, events and people. This degree is for students who would like to pursue a science based degree. Core curriculum emphasizes mathematics and science, but also includes English, history, and social studies, while learning fundamental skills in analysis, research, composition and reading comprehension. This is a science intensive degree designed to position the student for successful employment, career advancement, or more focused study in STEM (science, technology, engineering and mathematics) fields at the baccalaureate level.

230000ATS: Associate of Technical Studies

The Associate of Technical Studies (ATS) program is available for adult students whose educational objectives and interests cannot be met through one of the formal associate degree programs.

This program enables students to combine certifications (institutional, state, national) earned through an educational entity or a place of employment, with general education courses to meet the associate degree requirements.

Business and Information Technology

2280: Hospitality Management

Provides the general knowledge and skills necessary for success within the multi-faceted hospitality industry.

Students wishing to enter the Hospitality Management program must pass department placement test, successfully complete bridge course, or gain permission from program director

2420: Business Management Technology

This program provides comprehensive training in varied business activities which prepare for beginning management or supervisory-level positions in business, industry or self-employed management.

2440: Computer Information Systems

This program prepares graduates to enter the job market as Information Technology (IT) professionals. Emphasis of the curriculum is on providing graduates with the skills and knowledge to solve computer-related business problems.

2520: Marketing and Sales Technology

This program equips graduates to fill entry-level positions in distributed business areas including retailing, industrial distribution, and fashion. Engineering and Science Technology

The Department of Engineering & Science Technology (E&ST) offers market-driven, applied degrees (associate and bachelor) and certificates.

E&ST faculty expertise (discipline education and real-world work experience) is a key component to our program success and facilitate the effective, experiential learning brought to our students. Strategic partnerships within the region help ensure student success and job placement. The majority of our programs are ABET accredited, ensuring program quality and continuous improvement. E&ST students have various learning opportunities outside of the classroom including co-ops, service-learning and professional student organizations. Program courses are offered during the day and evenings in formats that include online, hybrid, and flipped.

2860: Electronic Engineering Technology

Accredited by the Engineering Technology Accreditation Commission of ABET.

This program prepares individuals for work as technicians in developing, manufacturing, installing, testing and maintaining electronic equipment and systems.

2880: Manufacturing Engineering Technology

Through the study of basic technical subjects and through concentration on work measurement, manufacturing computer applications, quality control, robotics, manufacturing work cells, and MRPII, this program educates the student in the areas of analysis, design and management of the resources, facilities and people involved in modern manufacturing.

2920: Mechanical Engineering Technology

Accredited by the Engineering Technology Accreditation Commission of ABET.

This program prepares individuals to work as technicians in developing, designing, manufacturing, testing and servicing mechanical equipment and systems.

2980: Land Surveying

Formerly known as Surveying Engineering Technology and accredited by the Applied Science Technology Accreditation Commission of ABET.

The Associate of Applied Science in Land Surveying degree program is designed to prepare students for employment as a surveying and mapping technician, working under the direct supervision of a registered professional surveyor. The program provides a foundation in mathematics, natural science, and communication skills as well as the

surveying skills necessary to become a Certified Surveying Technician (CST) under the National Society of Professional Surveyors (NSPS) testing program. Upon completion of the AAS in Land Surveying, a student may proceed to the Surveying and Mapping Bachelor of Science degree.

2985: Geographic and Land Information Systems (GIS/LIS)

Accredited by the Applied Science Technology Accreditation Commission of ABET.

This program prepares graduates to enter the job market as GIS/LIS technicians for business and industry. Emphasis of the curriculum is on understanding digital geographic data, software applications in solving geographic problems, and graphic communication techniques.

2990: Construction Engineering Technology

Accredited by the Engineering Technology Accreditation Commission of ABET.

Students in the AAS CET program are prepared to work in the field of construction engineering technology using knowledge of construction methods, business operations, and management skills to support construction projects. They work on residential and commercial buildings, bridges, roads, dams, wastewater treatment systems, or other similar projects. Common jobs assumed by graduates of this program include but are not limited to: engineering technician, construction coordinator, cost estimator, scheduler, field engineer and assistant project engineer.

Disaster Science and Emergency Services

2230: Fire Protection Technology

This program prepares persons to serve governmental, industrial and other fire protection agencies in fire fighting and prevention, property protection and in handling emergency situations.

2240: Emergency Medical Services Technology

This program is for Certified National Registry Emergency Medical Technician-Paramedics seeking to better understand social values and to develop technical knowledge and skills.

Wayne College

Admissions

Admission materials can be obtained by writing the Admissions Office at Wayne College or the Office of Admissions of The University of Akron, or by calling (330) 683-2010 in the Orrville/Wooster area, or 1-800-221-8308 in Ohio.

The student enrolled at Wayne College may also take courses at the main campus of The University of Akron while attending Wayne College. Likewise, a student enrolled on the main campus may take courses at Wayne College. The University of Akron Wayne College is accredited at the associate degree level by the Higher Learning Commission of the North Central Association.

Programs of Instruction

Wayne College Programs of Instruction

The following associate degree programs are available at Wayne College. The structure of these programs may differ from similar programs within the College of Applied Science and Technology of The University of Akron. All required courses for these programs are available at the college for students attending day or evening classes. A diploma issued as a result of the completion of one of these programs carries The University of Akron Wayne College designation. In some instances, specific course sequencing is necessary, especially for the student attending full time, to accommodate completion of the program in two years. Please consult an advisor at Wayne College for further details.

For specific curriculum guides for associate degrees, minors and certificates offered through the College, see the Undergraduate Curriculum Guides section of the Undergraduate Bulletin. For information on Wayne College General Education/Transfer Program, visit the General Education section of the Undergraduate Bulletin.

Associate Studies

Associate of Technical Studies

The Associate of Technical Studies (ATS) provides an integrated program of study for those students whose educational objectives and interests cannot be met through the college's formal associate degree programs. The Associate of Technical Studies permits students to combine various courses from two or more of the college's existing programs with other University credits, with credits earned at other postsecondary institutions, and/or with training received through other educational enterprises.

The Associate of Technical Studies is administered through the Office of the Dean and coordinated by the Associate Dean of Instruction. Interested students must complete a formal Associate of Technical Studies application. Upon application, the Associate Dean of Instruction makes an initial assessment of any transfer work and assists the applicant in selecting relevant areas of study. The application is then forwarded for review by the faculty most closely associated with the proposed area of study. Upon faculty acceptance, the application is submitted to the Associate of Technical Studies Committee who, upon approval, forwards the application to the dean of Wayne College for final approval.

2020: Associate of Arts/Associate of Science

The Associate of Arts and Associate of Science degree programs are intended to help individuals understand effective social behavior and appreciate scientific fact and human values. The programs are designed to impart specific skills essential to effective adult functioning. These include the abilities to write and speak effectively, to calculate, and to think constructively and critically. The programs also provide a broad foundation of general knowledge about the physical and social universe as preparation for advanced baccalaureate study.

Most recipients of the Associate of Arts and the Associate of Science degrees transfer to bachelor's degree-granting institutions to complete their intellectual, professional, and cultural goals. The Associate of Arts and the Associate of Science degrees meet the general education requirements for most baccalaureate degree programs at The University of Akron and other colleges and universities throughout the country.

Completing the Associate of Arts or the Associate of Science degree also fulfills the Transfer Module as outlined by the Ohio Board of Regents.

Business and Office Technology

2420: Business Management Technology

The Accounting Option provides training for a variety of accounting positions. Graduates will be prepared for immediate employment in the areas of financial and managerial accounting, sales, procurement, credit and collections, business research, data compilation and reporting.

Students entering the program must demonstrate a fundamental knowledge of computer software and keyboarding by examination (CISBR) or take the bridge courses prior to enrolling in the program. See an advisor for details.

General Business Option

The General Option provides training in varied business activities in preparation for an entry-level management position in business, industry, government, nonprofit organizations or as a self-employed manager. Students wishing to enter the program must demonstrate a fundamental knowledge of computer software by examination (CISBR) or take the bridge courses prior to enrolling in the program. See an advisor for details.

Accounting Option

The Accounting Option provides paraprofessional training for a variety of accounting positions. Graduates will be prepared for immediate employment in the areas of financial and managerial accounting, sales, procurement, credit and collections, business research, data compilation and reporting.

2530: Health Care Office Management

The Health Care Office Management program is designed to meet the needs of current health care office employees and others to develop skills to prepare for technical, supervisory, or management positions in the health care field. Graduates will be trained for the daily operation and management of the health care practice. The responsibilities include all administrative, financial, human resources, clerical and supply functions, with a special emphasis on medical coding, insurance billing, and financial analysis.

Sport Science and Wellness Education

2670: Exercise Science Technology

The Exercise Science Technology program prepares graduates for paraprofessional positions in fitness and wellness settings. Graduates are trained to instruct and coach both groups and individuals in various exercise activities. They assist clients in assessing physical fitness levels and they help clients in setting and reaching fitness goals. Graduates are prepared to enter careers as fitness trainers, wellness coaches, or other health and fitness paraprofessional positions, or to continue their education towards a bachelor's degree in areas including exercise science, sports science or pre-physical therapy.

This associate degree articulates with the following baccalaureate degrees in the Department of Sport Science and Wellness Education: 5552:10 Physiological Sciences; 5552:11 Sport Coaching/Strength and Conditioning; 5552:13 Pre-Physical Therapy; 5552:14 Sport Management.

Paraprofessional Education

2650: Paraprofessional Education – Early Childhood

The Associate of Applied Science degree in Paraprofessional Education –Early Childhood is designed for individuals who want to serve children ages 3 to grade three. Students study theories of child development, developmentally appropriate practices to serve young children, and the importance of collaborative skills to work with parents and a variety

of service providers. Students also develop the skills necessary for placement into early childhood settings as teacher assistants. The program serves as a pathway to the bachelor's degree program for students interested in obtaining licensure as an early childhood educator.

2650: Paraprofessional Education – Intervention Specialist

The Associate of Applied Science degree in Paraprofessional Education – Intervention Specialist is designed for individuals who want to serve students with disabilities in a variety of educational settings. You will study how children learn and develop; how to support students with diverse learning needs within their school settings; how to effectively collaborate with teachers and other related service personnel; and the historical foundations for special education programs.

The program serves as a pathway to the Bachelor's degree program for students interested in obtaining licensure as an Intervention Specialist. The goal of the Paraprofessional Education program at Wayne College is to create a cadre of paraprofessionals who will serve the diverse needs of students in the educational community. These educational paraprofessionals will be trained to perform the following activities within their roles in educational programs – provide instructional support to individuals and small groups of students, implement behavior plans, collaborate with teachers to ensure educational programming is consistent across settings and personnel, assist teachers with technology integration for students, collect data on students and educational practices, and provide personal care assistance.

STUDENT SUPPORT AND SUCCESS

Student Support and Success

Students attend the University to learn and grow in all aspects of their lives. The University delivers programs and services that are designed to assist our diverse student body to maximize opportunities for academic, social, cultural, personal and physical growth and development. Sensitive to the changing needs of today's college student, The University is committed to helping students meet their individual academic and personal goals. This responsibility will be accomplished by our commitment to these objectives:

- Creating a civil, supportive learning environment
- Providing academic support systems to increase student persistence and encourage satisfactory educational progress
- Moving beyond tolerance to embrace and celebrate the rich dimensions of difference within each individual and within each culture, subculture and identity group, diversity is a core value that embodies inclusiveness and excellence within the University community
- Collaborating with all constituencies within the University to increase enrollment and improve the quality of the student experience
- Encouraging students to assume responsibility for their educational decisions and experiences
- Identifying and addressing student needs in an evolving environment
- Addressing the student and community needs through programs, activities and services

Student Life and Living

Support Services for Students

Student Life and Living

Student Life and Living Off Campus Living

www.uakron.edu/offcampus
Phone: 330-972-6441
Email: uazipassist@uakron.edu

Off-Campus Living is a resource center dedicated to helping commuter and off-campus students. It is located in the first floor lobby of Simmons Hall at the front ZipAssist information desk. Students may stop in for resources and assistance about various issues including off-campus housing, landlord questions, and more.

Student Recreation and Wellness Services

www.uakron.edu/rec
Phone: 330-972-2348
Fax: 330-972-6715

With Student Recreation and Wellness Services, there is so much to explore! Their mission is to serve and engage all students to learn, develop and succeed through innovative recreation and wellness opportunities that encourage healthy and balanced lifestyles. The department includes the following: 1) Club Sports, 2) Aquatics, 3) Intramurals, 4) Outdoor Adventure Center, 5) Fitness. SRWS are comprised of the following facilities:

Student Recreation & Wellness Center (SWRC): Amenities include a leisure pool with a current river and vortex, spa, jogging track, cardio and strength equipment, five multi-function gyms, group exercise studios, rock climbing wall and adventure equipment rental.

Ocasek Natatorium (ONAT): Amenities include an Olympic-size swimming pool, racquetball courts and wallyball courts.

Central Hower South Gym: This gym provides opportunities for informal (drop in) recreation, Intramural Sports, and Club Sports practice and competition.

Buchtel Field: This grass field located on the corner of Brown St. and Wheeler St. provides outdoor recreation space for students, faculty, and staff.

Residence Life and Housing

<http://www.uakron.edu/reslife>
Phone: 330-972-7800
Email: reslife@uakron.edu

The Department of Residence Life and Housing is administratively responsible for managing the University's student housing program. The University provides reasonably priced, clean, convenient and secure residence hall facilities. In addition, the residence hall program is committed to providing a meaningful living/learning environment which directly supports the education, social and personal development of each student. The Department of Residence Life and Housing supervises and manages 10 on-campus residence hall facilities accommodating approximately 2,800 students. Students are encouraged to apply for residence hall accommodations as soon as possible.

Freshman Residential Policy Requirement

The University of Akron is committed to providing a learning environment supportive of its academic mission and complementary to its academic programs. The University acknowledges that national studies find that first-year freshman uniquely benefit from a residence hall experience. Social integration and access to faculty, staff and institutional resources are enhanced through an on-campus residential experience. The University considered and accepted findings that living on-campus positively influences academic persistence and success, including degree completion. For all these reasons, all first-year freshman students at The University of Akron are required to reside in University residence halls for the duration of their freshman academic year at the University as long as space is available. Upon admission to the University, all first-year freshman students will be required to make application for residence in University housing and will be assigned and assessed appropriate room and board fees, so long as space is available and/or unless the student is subject to one of the exemptions below.

Exemptions to the Freshman Residential Policy include:

- Permanent home residence with parents or legal guardians who reside in: Summit, Portage, Stark, Wayne or Medina counties
- Registered for fewer than 6 credit hours
- 21+ years of age
- Military experience 1+ years
- Married (proof of marriage required)
- Student is parent with custodial care responsibilities (proof of custody care required)
- Permanent home residence of parents or legal guardians who reside outside Medina, Portage, Stark, Summit, or Wayne countries AND such residence is 25 miles or fewer from main campus (proof of residence is required).

Other extenuating circumstances, including but not limited to special dietary needs or conditions, cultural or religious needs or accommodations, undue hardship, or an other circumstance(s) in support of an exemption which, if not granted, would undermine or contravene the purpose of the Freshman Residential Requirement Policy

Students seeking exemption from the Freshman Residential Policy should contact the Department of Residence Life and Housing to request the Freshman Residential Requirement Policy and Exemption Procedures and Petition packet, or can visit the Resident Life and Housing web site and download the necessary forms.

Support Services for Students

Support Services for Students

Academic Advising
Inter-college Transfer (ICT)
Career Center
Counseling and Testing Center
Office of Accessibility

Student Health Services
Tutoring & Writing Centers
General Student Services (Admissions, New Student Orientation, Bursar, Financial Aid, Information Technology Services)

Academic Advising

www.uakron.edu/advising
Inter-college Transfer (ICT)

www.uakron.edu/advising/how-do-i/ict
Career Center

www.uakron.edu/career
Phone – 330-972-7747
Email – career@uakron.edu

The Career Advantage Network connects students and alumni to employers at every stage of the career development process by encouraging, building and matching the unique personal and professional strengths of each individual to the needs of businesses. It supports career success by promoting a greater awareness of the world of work and the need to view career development as a life-long process. The Career Center staff is comprised of higher education and industry professionals who have a desire to assist students and alumni with their career aspirations and relevant learning experiences with the end goal of permanent placement opportunities. Services are free to all students and alumni.

Counseling and Testing Center

www.uakron.edu/counseling
Phone – 330-972-7082

The Counseling and Testing Center provides comprehensive, culturally competent psychological counseling, career planning, educational counseling, testing, outreach and consulting services to the University community. The Center is staffed by a culturally diverse group of psychologists and psychology trainees. Counseling services are free and confidential to enrolled students. There is a fee for testing services.
Office of Accessibility

www.uakron.edu/access
Phone – 330-972-7928

TDD: 330-972-5764
E-mail: access@uakron.edu

The goal of the Office of Accessibility is to provide reasonable accommodations and a supportive, well-resourced environment to students with disabilities in order to promote student success in the university environment. The mission of the Office of Accessibility is to provide students with full access to and the opportunity for full participation in the academic environment. We are advocates of social justice for students with disabilities and work to end oppression by examining social, cultural and institutional barriers to inclusion of all students. We embrace the diversity of our student body, and celebrate a culturally sensitive and accessible campus through outreach, partnership, and advocacy with all university departments.
Student Health Services

www.uakron.edu/healthservices
Phone – 330-972-7808

Student Health Services, located in Suite 260 of the Student Recreation and Wellness Center, assists students in achieving their educational and personal goals by addressing their health care concerns while they are enrolled at The University of Akron. Our Advanced Practice Nurses are able to diagnose and treat illness, and perform screenings and physicals that will assist you in getting well and staying healthy.
Tutoring & Writing Centers

www.uakron.edu/tutoring

The University has two tutoring centers on campus that provide free assistance to currently enrolled students. The centers are located in Bierce Library and the Polsky Building.

Bierce Library:

Bierce Writing Commons: For students seeking assistance with a paper assignment for any of their courses, including help with citation styles, visit Bierce Writing Lab

Bierce Math Lab: Bierce Math Lab offers support for students having difficulty in entry-level math classes. Drop-in hours are available every weekday

Tutorial Services: Peer tutors are available to students in a wide variety of General Education courses, with emphasis on classes in math and the sciences

Learning Assistants Program: Specific sections of many courses include a trained Learning Assistant, who holds regular study sessions for students. The Learning Assistant Program provides assistance in the classroom throughout the semester, with professors and learning assistants working as a team encourage student success.

Polsky:

Tutorial Services are located on the third floor of the Polsky Building, near College of Applied Sciences and Technology Advising

Polsky Math Lab: The Polsky Math Lab provides one-on-one assistance to students having difficulty in basic math courses, College of Applied Sciences and Technology math courses and entry level math courses

Polsky Writing Lab: The Polsky Writing Lab provides one-on-one assistance with all phases of the writing process, including subject development and organization, grammar and citation. Help is available for writing assignments from any course.

Polsky Study Skills Lab: The Polsky Study Skills Lab helps students develop stronger study skills, including reading comprehension, test preparation, note taking, time management and vocabulary development

Appointments for tutoring sessions are recommended and can be made by calling 330-972-7046. A limited number of walk-in sessions are available on a first-come, first-served basis.

General Student Services

Admissions

www.uakron.edu/admissions

Phone – 800-655-4884

Email – admissions@uakron.edu

New Student Orientation

www.uakron.edu/nso

Phone – 330-972-2622

Email – orientation@uakron.edu

Bursar

www.uakron.edu/student-accounts

Phone – 330-972-5100

Email – cashier@uakron.edu

Office of Financial Aid

www.uakron.edu/finaid

Phone – 800-621-3847

Email – finaid@uakron.edu

Information Technology Services

<http://www.uakron.edu/it/>

Phone – 330-972-6888

SPECIAL ACADEMIC PROGRAMS AND SERVICES

Additional Academic Programs and Services

Study Abroad
 Learning & Living-Learning Communities
 Academic Achievement Programs
 Officer Training Programs (ROTC)
 Office of Multicultural Development

Adult Focus
 UA Solutions
 Additional Locations
 University Partnership Program

Study Abroad

<http://www.uakron.edu/study-abroad>

In today's world, global and intercultural awareness and the ability to relate to and work with those from other cultures and backgrounds are critical skills for graduates entering the workforce, regardless of intended profession. In a recent (2013) survey, 88% of polled hiring managers in the United States stated that intercultural experience is important for prospective hires to have. Study Abroad is an excellent opportunity to develop those skills, as well as enhance one's academic background and grow personally. The Study Abroad office of The University of Akron maintains exchange relationships and affiliations with institutions in more than 10 countries, including France, Germany, Japan, the Netherlands, China, Peru, South Korea and the United Kingdom. UA also maintains affiliation agreements with several outside organizations offering study abroad opportunities, and many UA academic units sponsor short-term program options. As a result, UA students have the opportunity to study virtually anywhere in the world and for as short as a few weeks in the summer to a full academic year. For additional information, students may schedule an appointment with a Study Abroad advisor as well as attend the Study Abroad Festival held in September. Learning Communities/Living-Learning Communities

<http://www.uakron.edu/admissions/undergraduate/learning-communities/>

<http://www.uakron.edu/reslife/llc/index.dot>

A Learning Community is a group of students who take two to four classes together. Faculty members integrate topics and assignments across the courses so that what is being learned in one course reinforces and complements what is being learned in the other courses. Many courses in Learning Communities apply toward baccalaureate and associate degree requirements; some courses fulfill General Education requirements. Students in any major are welcome to participate in a Learning Community.

Living-Learning Communities (LLC) are established to provide distinctive settings where student academic success is supported through residential experiences.

Living-Learning Communities bring academics into the residence halls through mentorship by upperclass leaders, faculty and staff support, specialized programs and linkage between coursework. From Outdoor

Adventure to ROTC; Business to Pre-Med, there is an LLC available to hundreds of students each year. Academic Achievement Programs

<http://www.uakron.edu/aap/>

Academic Achievement Programs is dedicated to the mission of preparing Akron middle and high school students for greater access and success in higher education. Systematic academic, social and cultural experiences are provided through four distinct programs during the academic year, along with a six week summer enrichment component. These experiences expand and enhance their academic instruction and adds value to the overall development of students. Activities are intended to empower students to make better decisions at home, in school and in personal relationships, which will help improve their self worth, impact high school graduation rates and facilitate the successful admission to and graduation from post secondary educational institutions. Officer Training Programs (ROTC)

http://www.uakron.edu/academics_majors/undergraduate_programs/rotc.dot

The University of Akron supports and promotes a robust officer training program — Army Reserve Officer Training Corps. ROTC produces leaders for the Army while building better citizens for America. ROTC is a military educational program designed to give men and women the opportunity to become officers while earning a college degree. ROTC offers scholarships, leadership training, and many other experiences simply not available to your average college student. ROTC classes and leadership training will help you sharpen your analytical skills. You'll learn to evaluate changing conditions and make appropriate decisions. Being in ROTC requires you to take an added class and lab in addition to your other college courses. Typically, ROTC class credits can be applied as general elective credits toward your degree, and if you complete all four years of ROTC courses, you can earn a minor in the respective discipline. Office of Multicultural Development

<http://www.uakron.edu/omd/>

The mission of the Office of Multicultural Development at The University of Akron is to prepare students to live and excel in a global society. As an advocate for equity and social justice, they ensure that students of diverse ethnic, social and cultural backgrounds achieve their fullest potential in an affirming environment which supports access, retention, and successful completion of goals. This mission is characterized by extensive student-focused collaboration with all segments of the campus community.

Adult Focus

<http://www.uakron.edu/uaaf/>

Adult Focus is an academic support service designed to assist adults and military veterans as they transition in their role as students to The University of Akron. It offers academic support, transitional coursework, advocacy, and scholarship referral and assistance throughout their academic career. Any student, regardless of age, whose primary life roles and responsibilities exist independent of the University and take precedence over the role of student in times of crisis or stress is considered to be an adult student.

UA Solutions

<http://www.uakron.edu/uas/>

UA Solutions is a full service consulting firm operating from The University of Akron. We exist as a liaison between the immense collection of resources within the University, and our region's corporations of all sizes and industries. Our value, both to the University and to our clients, is a powerful and customizable solution-based service that identifies development opportunities and produces programs and solutions that can only come from the expertise of The University of Akron.

UA Solutions offers professional certification and noncredit courses to businesses, organizations and individuals. Classes are scheduled weekdays, evenings and weekends. Many courses are approved by professional, national and state organizations for certificate and license re-certification. More than 300 classroom and online courses are available each semester.

UA Solutions instructors customize and conduct employee training onsite for companies and organizations.

Additional Locations

<http://www.uakron.edu/provost/about/additional-locations.dot>

The University operates five educational centers in our surrounding communities.

University Partnership Program - Lorain County Community College (LCCC)

<http://www.lorainccc.edu/UP>

The University Partnership Program brings colleges and universities, including The University of Akron, to the LCCC campus to offer the coursework and programs that students need for bachelor's and master's degrees. Degrees offered parallel those that LCCC offers, enabling students to move into higher level degrees without leaving LCCC. More information is available by calling the Center at 800-995-5222 ext. 4949.

FEES AND EXPENSES

Fees and Expenses

Fees subject to change without notice.

Student Expenses

Following are comprehensively outlined fees for students at the University who are studying for credit and noncredit in all areas of instruction. Included also are the additional expenses required for special academic services available to students and other miscellaneous fees, such as application fees. It is the responsibility of the student to know the correct amount of all fees, including the non-Ohio resident surcharge.

In any question concerning fees, surcharges or residence, it is the responsibility of the student, parents or court-appointed guardian to furnish such proof as may be required by The University of Akron. A student who is in doubt about residency status should consult with the University registrar.

It is the responsibility of the registrar to assess fees and surcharges at the time of registration; information given by the student at that time is used in the assessment. Each registration is later audited by the University auditor, and appropriate additional charges or refunds will be made.

All fees and surcharges are due at the time of registration or on the specified fee payment deadline. The status of the student as of the opening day of the semester or session will determine the final, correct amount of fees and surcharges.

An Installment Payment Plan for tuition and fees is available to all students.

Tuition and Fees

Tuition and fee information for Undergraduate and associate degree programs is available on the Office of Admissions website.

Admission Application Fees (Nonrefundable)

Undergraduate \$45

Entering postbaccalaureate or graduate \$45

Transient students (first enrollment only) \$45

International Students (non-refundable) \$60

Orientation Program Fees

New Student Orientation Program: University Commitment Fee (Confirms new student intent to attend orientation and enroll in classes for next academic term. Placement tests taken on UA campuses are included in this fee.) \$145

International Student Orientation \$100

Placement Test Fees: Individual retesting and external users \$25/test

Registration and Other Related Fees

Administrative Fees

Assessed each term (all students except high school students taking University courses; transient, unclassified and special students; and undergraduate students who have completed 96 credits or more) \$30/term

Late Payment Fees

(charged to students who have not paid for tuition and mandatory fees by the invoice due date) \$100

Co-op Course Fee \$55

Alternative Credit Fees

Bypassed Credit, per credit \$5

CLEP, per test \$25 (plus ETS fee paid to ETS)

Credit by Examination (undergraduate and postbaccalaureate) per credit \$30

TestPrep Tutorial \$100 per course

Facility Fee

Student Facility Fee \$28.50/credit hour up to a maximum of 12 credit hours

General Service Fee

Akron Campus & College of Applied Science and Technology pursuing a bachelor's degree \$35.70/credit hour up to a maximum of 12 credit hours

Akron Campus pursuing an associate's degree in College of Applied Science and Technology \$27.60/credit hour up to a maximum of 12 credit hours

Medina County University/Center Wayne College \$7.34/credit hour up to a maximum of 12 credit hours

Technology Fee

Academic Level: 0-95.5 Credits

96 Credits or More \$13.20/credit hour

Exempt

Audit and Non-Credit (Developmental) Courses

The cost is the same whether a course is taken for credit non-credit (developmental) or audit.

Miscellaneous Fees

Audiology and Speech Center Fees

[Click here to view Audiology and Speech Center fees](#)

Career Advantage Services Fees

All undergraduate students except students with 96 credits or more \$3/credit hour

Career Services

Registration Fee for alumni and reciprocity (covers 12-month cost of employer referrals) \$45

Center for Child Development (Child care facility)

[Click here to view Center for Child Development \(Child care facility\) fees](#)

College of Education

Tk20 Portfolio \$100

Counseling, Testing and Career Center

Cognitive Functioning and Academic Achievement Tests \$55

Learning Disability Battery \$100

ACT Residual Test \$45

ACT Residual Test Standby (\$20 plus \$40 ACT fee) \$65

College Level Examination Program (CLEP) \$25 (plus ETS fee paid to ETS)

Educational Testing Services Fee (Currently \$80; subject to change throughout the year. Fee is paid directly to ETS.)

Correspondence Testing \$20/hr

Miller Analogies Test \$90

Professional Consultation Fee per hour \$120

Individual Administration of ACT Residual Test \$155

Psychological and Career Tests \$10

Psychological Assessment (not part of Counseling - an independent test) \$50

Attention Deficit Disorder (ADD/ADSD) Assessment \$160

CDs (For relaxation, stress management, etc.) \$1

Dance Institute Fees

[Click here to view Dance Institute Fees](#)

Developmental Support Fees

Charged to all students enrolled in Developmental courses \$12.50/credit hour

Engineering Infrastructure Fee – All Engineering Courses

Infrastructure Fee – all engineering courses \$26/credit hour

English Language Institute	Group Sessions (per session, per member) \$15
Late Registration \$50	Special Services:
Application fee \$50	Indirect Calorimetry \$75
Materials fee, per level, per semester/8-week session \$50/40	Body Composition Testing (BIA, skinfold measurement) \$15
Health Services	Nutrition Education Presentation \$120
Allergy injections \$6	Menu Planning Consultation \$75
Immunizations \$24-\$61	Computerized Menu Analysis (per hour) \$75
Laboratory Tests (avg. costs for most common tests) \$6-\$196	Food Systems Management Consultation (per hour) \$75
Prescribed Medications/Treatments \$3.60-\$43.20	Sports Nutrition Testing & Consultation (per-hour) \$80
Visit fee \$15	Athletic Team Performance & Recovery Service
ID Fees	(Includes three 50-minute group sessions, three screening sessions and two on- or off-season education presentations):
ZipCard Replacement \$20	Up to 20 athletes \$2,000
Insufficient Funds Fees	21 or more athletes \$100 each additional athlete
"Insufficient Funds" or returned check charge and VISA/Mastercard returns for Insufficient Funds \$25	Nutrition Education/Instruction Materials Acquisition cost x 1.5
International Programs	(A sliding scale or the Health & Human Services guideline on poverty will be used if the client has no insurance and if the family income and the number of dependents indicate there is a need.)
Archive document search \$50	Off-Campus Student Services
International Student/Teacher Identity Cards \$22	Locker Rental Fee per semester \$25
Processing Post-Completion OPT \$35	Damaged or Lost Equipment Fee Cost + 10%
Replace Lost Immigration Form \$50	Student Conduct and Community Standards
Guest Travel Abroad Participant Fee \$300	Administrative Fees
Request to retain Int'l Undergraduate Application \$60	Finding of Responsibility:
J-1 Visiting Scholar Processing Fee \$150	Agreement reached during Fact Finding \$50
Liability Fees	Agreement reached through Hearing Board Process \$75
Liability Insurance Fee, Student Nursing \$15	Disciplinary Fines
Liability Insurance Fee, Allied Health Technology/Surgeon's Assistant \$61.50	Restitution for lost/stolen/damaged while in possession (max) Cost plus 20%
Liability Insurance Fee, Allied Health Technology/Other than Surgeon's Assistant \$15	Substance Abuse Violations:
Library Fees (Bierce, Auburn Science and Wayne)	Alcohol use/possession/distribution
Library Fee (excluding seniors, Law School and Wayne College students);	1st, 2nd, 3rd offense \$50, \$100, \$150
College of Applied Science and Technology associate students 0-9.5 credit hours \$4/credit hour; \$3/credit hour	Drug/controlled substance use/possession
Photocopies and printing charges \$.07/page	1st, 2nd, 3rd offense \$100, \$150, \$250
Overdue Materials	Serious Violations of the Code of Conduct
UA students, undergraduate (\$20 maximum) .10/day	Violent/threatening behavior \$150
Non-University borrowers (\$20 maximum) .25/day	Theft \$150
Replacement Cost plus \$20 surcharge	Weapons \$150
Fines for recalled materials \$1/day	Drug sales/distribution, 1st offense \$150
Fines for hourly reserve materials \$2/hour (\$50 max.)	Other Fines:
Fines for daily reserve materials \$2/hour (\$50 max.)	Impose a fine on the student which corresponds to the nature of the violation, not to exceed the maximum value of \$250. For example, fines may be imposed for issues such as students who host or promote large parties or events that are no in compliance with Akron city regulation and/or result in negative consequence for the university community.
Fines for OhioLINK loans \$.50/day (\$50 max.)	
Fines for laptop computer late fee \$10/hour (\$100 max.)	
Archival Services	Student Recreation and Wellness Services
Photograph for personal use \$5 + costs	Full details including the full list of membership and guest fees can be found at the Student Recreation and Wellness Services website
Photograph for commercial use \$75 + costs	University Police Department
Research time by assistant (min. 2 hrs) \$20/hour	Police Service Calls (for vehicle assistance) \$10
Photocopying time by assistant (min. 2 hrs) \$15/hour + copies	Special Events Detail (3 hour minimum) \$44/hour
Photocopies \$.25/copy + postage	Police Report – 1-5 pages No Charge
Film footage for commercial use (price varies) \$45/second	6 or more pages .05/page
Research Service (1-hour minimum charged)	Fingerprinting – Students, faculty and staff \$5/card
UA students, faculty and staff At cost	All others \$15/card
Research fee (charged in 15 min. increments) \$90/hour	Photo \$5
Nutrition Center	Web-based records check: BCI only/FBI only/BCI and FBI \$29/\$31/\$56
Minimum Fee \$5	Parking and Transportation Fees
Initial Comprehensive Nutrition Assessment \$80	
Individual 50-minute session \$50	
Additional quarter session \$12.50	
Additional half session \$25	
Follow-up Nutrition Session \$25	
Nutrition Screening \$15	
Computerized Nutrient Analysis \$30/day	

Complete student transportation information and instructions and costs of obtaining a parking permit can be found on the Parking Services website.

Students and employees who desire a twenty-four hours per day, seven days per week parking privilege may apply for a permit and be assessed an optional parking permit fee for such privilege. The University may limit the locations that such permit shall be valid, and may limit the number of such permits that will be issued per year, per academic term, or other period. Qualified residence hall students will receive this parking privilege pursuant to the terms of their residence hall contract, without the necessity of paying an additional optional parking permit fee.

Course Materials Fee Schedule

A course materials fee is assessed to cover the cost of instructional materials for some of The University's undergraduate courses.

2015-2016 Course Materials Fees

Enrollment Cancellation

An undergraduate student whose financial account shows an amount due after their assigned due dates risks having all or part of their registration for current and/or future terms cancelled; however, non-payment of fees does not guarantee enrollment cancellation. If a student enrolls in classes and then decides not to attend, it is still the student's responsibility to drop their classes to ensure the proper credit toward fees for the term, as defined by the current refund policy.

How to drop a class

Payment Plans and Options

Payment plans are available to help those students who cannot pay the full charges for tuition, on-campus housing and/or the meal plan at the start of the semester. To read more and sign up, visit the Payment options portion of the Office of Student Accounts website.

Student Health and Accident Insurance

All registered students taking six or more credit hours, doctoral students, ELI students and other special academic program students are eligible to enroll in a student health insurance plan offered by the Leonard Insurance Company on behalf of the University. All registered international students taking credit hours are required to purchase this insurance plan unless proof of comparable coverage is furnished. Visit the Student Health Insurance page located within the Student Health Services website.

Veterans Information

Full veteran information can be found at the Military Services Center website. The mission of the Center is to provide comprehensive enrollment and referral services to veterans and their families, making the transition to The University of Akron as smooth as possible.

Regulations Regarding Refunds

The Office of Student Accounts helps students and parents by addressing questions and concerns about refunds if needed. Complete details are located on that website.

Residence Hall Refunds

Refund/Release and Forfeiture Policy

A contract for housing accommodations at The University of Akron upon being breached by the student or otherwise terminated by The University of Akron is subject to the following refund provisions:

A full refund of room fees and the Prepayment under the following circumstances:

Graduation of the student from The University of Akron;

Academic dismissal of the student from The University of Akron;

Non-attendance or complete withdrawal by the student from The University of Akron prior to the start of the Contract term (except the advance rental payment of one hundred fifty dollars which shall be forfeited). The one hundred fifty dollar deposit be refunded for new entering students and new transfer students when notification of intent to break Contract is received prior to the fifteenth of May for the following fall semester; or

In the event mandatory or recommended participation in academic programs of The University of Akron requires the student to commute regularly beyond the Akron metropolitan area (i.e., student teaching or co-op assignments)

A partial refund of paid room and board fees, except the Prepayment fee, once occupancy has been established (e.g., acceptance of room keys and/or signing occupancy document) will be prorated beginning on the date the student officially surrenders use of University housing and returns all appropriate keys (room and apartment keys) to University staff and satisfies University-mandated housing separation requirements and procedures under the following circumstances:

Cancellation of the entire Contract term after the start of the fall semester and subsequent spring semester; or

Cancellation of a single semester Contract after the start of that semester

A partial refund of paid room and board fees when the student has fulfilled fall semester obligations and breaches the Contract for spring semester, except when under any dismissal or suspension. The student shall pay, as administrative fee for breach of the terms of the Contract, an amount of \$200.00.

A student shall remain responsible for the full cost of the then-current residence hall Contract term if the University, at its sole discretion, terminates the contract:

For reasons related to the orderly operation of the residence halls, or for reasons relating to the health, physical or emotional safety and well-being of the persons or property of students, faculty, staff or University property; or

In the event that the student is dismissed or suspended from The University of Akron for disciplinary reasons in accordance with law or the rules and regulations of the Board of Trustees, or if the student is suspended or placed on terms of disciplinary probation in accordance with law or the rules and regulations of the Board of Trustees, whereby such terms of probation prohibit the student from residing in University housing accommodations

Contract cancellations for a current semester received after the 12th week of that semester will be assessed the full semester fees.

The student is financially responsible for fees incurred through the date of such termination, dismissal, suspension or probation or until the student has completed the check-out process with the appropriate University employee, whichever date is later.

Notice requirements. All notices of intent to break this contract must be submitted in writing to the Department of Residence Life and Housing. If

the student is under the age of eighteen years, the written notification of termination must be co-signed by the student's parent or legal guardian.

No-Show Policy. The University will hold a student's assignment until close of business on Wednesday of the first week of each semester. At that time the room will be reassigned, student's Contract will be cancelled and Prepayment will be forfeited, or cancellation fee incurred, whichever is applicable.

Audiology and Speech Center Fees

Fee Description Amount

Evaluation of Speech/Voice Device (per hour) \$95.00
 Modification of Speech/Voice Device (per hour) \$70.00
 Assistive Technology for Literacy: Assessment \$130.00
 Assistive Technology for Literacy: Intervention \$70.00
 Speech-Language and/or Hearing Screening \$20.00
 92506 Evaluation of Speech, Language, Voice, Communication, and/or Auditory Processing \$125.00
 Office Consultation (per hour) \$80.00
 92507 Treatment of Speech, Language, Voice, Communication, and/or Auditory Processing Disorder; Individual \$70.00
 92508 Treatment of Speech, Language, Voice, Communication and/or Auditory Processing Disorder; Group 2, or more (per hour) \$35.00
 92610 Evaluation of Oral and Pharyngeal Swallowing Function (per hour) \$200.00
 92526 Treatment of Swallowing Dysfunction and/or Oral Function for Feeding (per hour) \$65.00
 92601 Diagnostic Analysis of Cochlear Implant, Patient Younger Than 7 Years of Age; With Programming (per hour) \$70.00
 92602 Diagnostic Analysis of Cochlear Implant, Patient Younger than 7 Years of Age; with Subsequent Programming (per hour) \$70.00
 92603 Diagnostic Analysis of Cochlear Implant, Age 7 or Older; with Programming (per hour) \$70.00
 92604 Diagnostic Analysis of Cochlear Implant, Age 7 or Older; with Subsequent Programming (per hour) \$70.00
 96105 Assessment of Aphasia (Includes Assessment of Expressive and Receptive Speech and Language Function, Language Comprehension, Speech Productions Ability, Reading, Spelling, Writing, e.g. by Boston Diagnostic Aphasia Exam) with Interpretation and Report, per Hour \$75.00
 96110 Developmental (Screening), with Interpretation and Report (Per Standardized Instrument Form) \$20.00
 96111 Developmental Testing, (Includes Assessment of Motor, Language, Social, Adaptive, and/or Cognitive Functioning by Standardized Developmental Instruments) with Interpretation and Report \$125.00
 96125 Standardized Cognitive Performance Testing (e.g. Ross Information Processing Assessment) per Hour of a Qualified Health Care Professional's Time, Both Face to Face Time Administering Tests to the Patient and Time Interpreting These Test Results and Preparing the Report *Must Be Billed with "GN" Modifier \$105.00
 Modification of Speech/Voice Device (per hour) \$70.00
 97532 Development of Cognitive Skills to Improve Attention, Memory, Problem Solving (Includes Compensatory Training), Direct (One-on-One) Patient Contact by the Provider, Each 15 Minutes \$15.00
 92607 Evaluation for Prescription for Speech-Generating Augmentative and Alternative Communication Device, Face-to-Face with the Patient; First Hour \$175.00
 92608 Evaluation for Prescription for Speech-Generating Augmentative and Alternative Communication Device, Face-to-Face with the Patient; Each Additional 30 Minutes \$75.00

92605 Evaluation for Prescription of Non-Speech Generating Augmentative and Alternative Communication Device, Face-to-Face with the Patient; First Hour \$125.00
 92618 Evaluation for Prescription of Non-Speech Generating Augmentative and Alternative Communication Device, Face-to-Face with the Patient; Each Additional 30 Minutes \$80.00
 92609 Therapeutic Service(s) for the Use of Speech-Generating Device, Including Programming and Modification \$70.00
 92606 Therapeutic Service(s) for the Use of Non-Speech Generating Device, Including Programming and Modification \$70.00
 Assistive Technology for Literacy: Assessment \$130.00
 Assistive Technology for Literacy: Intervention \$70.00
 92551 Screening Test, Pure Tone, Air Only \$20.00
 92552 Pure Tone Audiometry (Threshold); Air Only \$20.00
 92553 Pure Tone Audiometry Air & Bone \$35.00
 92556 Speech Audiometry Threshold; with Speech Recognition \$35.00
 92557 Comprehensive: Audiometry Threshold Evaluation and Speech and Speech Recognition (92553 and 92556 Combined) \$70.00
 92558 Evoked Otoacoustic Emissions, Screening (Qualitative Measurement of Distortion Product or Transient Evoked Otoacoustic Emissions), Automated Analysis \$20.00
 92626 Evaluation of Auditory Rehabilitation; First Hour \$125.00
 92627 Evaluation of Auditory Rehabilitation Status; Each Additional 15 Minutes \$25.00
 92630 Auditory Rehabilitation; Pre-Lingual Hearing Loss \$65.00
 92633 Auditory Rehabilitation; Post-Lingual Hearing Loss \$70.00
 92567 Tympanometry (Impedance Testing) \$20.00
 92550 Tympanometry and Reflex Threshold Measurements \$30.00
 92585 Auditory Evoked Potentials for Evoked Response Audiometry and/or Testing of the Central Nervous System; Comprehensive \$125.00
 92586 Auditory Evoked Potentials for Evoked Response Audiometry and/or Testing of the Central Nervous System; Limited \$60.00
 92587 (Distortion Product) Evoked Otoacoustic Emissions; Limited (Evaluation) (To Conform the Presence or Absence of Hearing Disorder, 3-6 Frequencies) (Or Transient Evoked Otoacoustic Emissions, with Interpretation and Report) \$40.00
 92588 (Distortion Product) Evoked Otoacoustic Emissions; Comprehensive or Diagnostic Evaluation (Quantitative Analysis of Outer Hair Cell Function by Cochlear Mapping, Minimum of 12 Frequencies) (with Interpretation and Report) \$80.00
 92563 Tone Decay Test \$20.00
 92565 Stenger Test, Pure Tone \$20.00
 92568 Acoustic Reflex Testing; Threshold \$20.00
 92577 Stenger Test, Speech \$20.00
 92570 Acoustic Immittance Testing Includes Tympanometry (Impedance Testing), Acoustic Reflex Threshold Testing, and Acoustic Reflex Decay Testing (Do Not Report 92570 in Conjunction with 92567, 92568) \$40.00
 Off-Site Consultation (per hour) \$80.00
 HEARING AID SERVICES
 97755 ALD Exam & Selection \$70.00
 92590 Hearing Aid Exam & Selection: Monaural \$65.00
 92591 Hearing Aid Exam & Selection: Binaural \$65.00
 92592 Hearing Aid Check: Monaural \$30.00
 92593 Hearing Aid Check: Binaural \$30.00
 V5014 Repair Aid - Hearing Aid Repair/Service: Out of Warranty Cost x 1.5
 V5014 Repair Aid - Hearing Aid Extended Warranty Cost x 1.5
 92594 Electroacoustic Analysis: Monaural
 92595 Electroacoustic Analysis: Binaural
 97703 Hearing Aid: Fit/Orientation/Check
 V5010 Hearing Aid Assessment
 V5020 Conformity Check/Real Ear Measurement

Hearing Aids (Conventional) *Acquisition Cost x 2.8
 Hearing Aid Monaural V5060 BTE/ V5050 ITE/ V52343 ITC/ V5242 CIC
 *Acquisition Cost x 2.8
 Hearing Aid Binaural V5140 BTE/ V5130 ITE/ V5249 ITC/ V5248 CIC
 *Acquisition Cost x 2.8
 HA CROS V5170 ITE/ V5180 BTE *Acquisition Cost x 2.8
 HA BICROS V5210 ITE/ V5220 BTE *Acquisition Cost x 2.8
 Hearing Aids (Programmable) *Acquisition Cost x 2.0
 HA Prog. Analog Monaural V5247 BTE/ V5246 ITE/ V5245 ITC/ V5244
 CIC *Acquisition Cost x 2.0
 HA Prog. Analog Binaural V5253 BTE/ V5252 ITE/ V5251 ITC/ V5250 CIC
 *Acquisition Cost x 2.0
 Hearing Aids (Digital Signal Processing) *Acquisition Cost x 1.7
 HA Digital Monaural V5257 BTE/ V5256 ITE/ V5255 ITC/ V5254 CIC
 *Acquisition Cost x 1.7
 HA Digital Binaural V5261 BTE/ V5260 ITE/ V5259 ITC/ V5258 CIC
 *Acquisition Cost x 1.7
 Assistive Listening Devices (ALDs) Mfr. Sug. Retail Price
 V5268 ALD Telephone Amplifier Mfr. Sug. Retail Price
 V5269 ALD Alerting Mfr. Sug. Retail Price
 V5270 ALD TV Amplifier Mfr. Sug. Retail Price
 V5272 ALD TDD Mfr. Sug. Retail Price
 V5273 ALD for US with CI Mfr. Sug. Retail Price
 V5275 Ear Impression Mfr. Sug. Retail Price
 V5299 Miscellaneous Service Mfr. Sug. Retail Price
 Miscellaneous *Acquisition Cost x 2.0
 V5090 Dispensing Fee Unspecified \$200.00
 V5160 Dispensing Fee HA Binaural \$300.00
 V5262 Disposable Hearing Aid *Acquisition Cost x 2.0
 V5264 Earmold Services (Swim Plugs or Earmolds) *Acquisition Cost x
 2.0
 V5264 Earmold Services (Musician) *Acquisition Cost x 1.5
 V5265 Earmold Disposable Hearing Aid *Acquisition Cost x 2.0
 V5266 Batteries *Acquisition Cost x 2.0
 V5267 Hearing Aid Accessory *Acquisition Cost x 2.0
 Tinnitus Maskers *Acquisition Cost x 2.0
 Central Auditory Processing Educational Report \$60.00
 92620 Evaluation of Central Auditory Function, with Report; Initial 60
 minutes \$100.00
 92621 - Each Additional 15 Minutes \$20.00
 92625 Assessment of Tinnitus (Including pitch, Loudness Matching
 and Masking) - (Do not report 92625 in Conjunction with 92562) (For
 Unilateral Assessment, Use Modifier 52) \$65.00
 Hyperacusis Evaluation \$65.00
 97112 Therapeutic Procedure, One or More Areas, Each 15 Minutes;
 Neuromuscular Reeducation of Movement, Balance, Coordination,
 Kinesthetic sense, Posture, and/or Proprioception for Sitting and/or
 Standing Activities - Vestibular Rehabilitation (per hour) \$15.00
 92540 Basic Vestibular Evaluation, Includes Spontaneous Nystagmus
 Test with Eccentric Gaze Fixation Nystagmus with Recording, Positional
 Nystagmus Test, Minimum of 4 Positions, with Recording, Optokinetic
 Nystagmus Test, Bidirectional Foveal and Peripheral Stimulation, with
 Recording, and Oscillating Tracking Test, with Recording. (Do Not Report
 92540 in Conjunction with 92541, 92542, 92544 and 92545) \$180.00
 92541 Spontaneous Nystagmus Test, Including Gaze and Fixation
 Nystagmus, with Recordings - Spontaneous Nystagmus Test \$45.00
 92542 Positional Nystagmus Test, Minimum of 4 Positions, with
 Recording \$65.00
 Evaluation of Speech/Voice Device (per hour) \$95.00
 92543 Caloric Vestibular Test, Each Irrigation (Binaural, Bithermal
 Stimulation Constitutes four Tests), with Recording \$12.00
 92532 Positional Nystagmus Test \$45.00

92543 Caloric Vestibular Test, Each Irrigation (Binaural, Bithermal
 Stimulation Constitutes four Tests), with Recording \$12.00
 92534 Optokinetic Nystagmus Test \$45.00
 92545 Oscillating Tracking Test, with Recording \$45.00
 92547 Use of Vertical Electrodes (Used in Conjunction with 92541-92546)
 (For Unlisted Vestibular Tests, Use 92700) Use of Electrodes \$45.00
 *Acquisition Cost refers to single-unit cost.
 A sliding scale, or the Health & Human Services guidelines on poverty,
 will be used if the client has no insurance and if the family income and
 the number of dependents indicates there is a need. The sliding scale is
 detailed in Appendix A.

Center for Child Development Fees

Fee Description	Period	Amount
Registration (Fall through Summer) (Non Refundable)		\$75 per child
Insurance (Fall through Summer)		\$35 per child
Enrollment (Preschool and School Age -Full Day)		
University Full-Time, per week		\$205
Community Full-Time, per week		\$210
Part Time - 3 days/week (M,W,F)		\$160
Part Time - 2 days/week (T,R)		\$115
Schedule Changes		
One Change	No Charge	
Subsequent Changes		\$5.50
Toddler Program		
University Full-Time, per week		\$230
Community Full-Time, per week		\$235
Part Time - 3 days/week (M,W,F)		\$172
Part Time - 2 days/week (T,R)		\$123
Activity Fee (Fall through Summer)		\$75 per child
Field Trip T-Shirt		\$15
Late Pick-up Fees (for children who are not picked up by the Center's stated closing time)		
1 - 15 minutes after closing		\$25
16 - 30 minutes after closing		\$50
Late Fee Payment (assessed if weekly tuition is not paid by the second school day your child is in attendance during the week)		\$10/week
Family Discount (given to the older child when more than one child from the same family is registered full-time)		10%

*Vacation Credit: After a 3 month attendance, regular full-time families
 with full year (12 month) attendance qualify for 2 weeks vacation credit.
 other full-time attendance less than 12 months qualifies for 1 week credit.
 Only 1 week may be used during the fall and spring semesters combined,
 the 2nd week may be used during the summer session.

Dance Institute Fees

Fee Description	Period	Amount
Placement Fee with Pre-Registration		\$20.00
Placement Fee without Pre-Registration		\$30.00
New Student Registration Fee		\$10.00
Summer Curriculum (1-4 weeks)		
Advanced	4 weeks	\$1,020.00
	3 weeks	\$800.00
	2 weeks	\$538.00
	1 week	\$318.00
Intermediate II	4 weeks	\$900.00
	3 weeks	\$710.00
	2 weeks	\$510.00
Intermediate I	4 weeks	\$848.00
	3 weeks	\$662.00
	2 weeks	\$476.00
Beginner/Advanced-Beginner	2 weeks	\$311.00

Afternoon Beginner/Advanced-Beginner Arts Camp w/ dance (2 weeks)
\$128.00

Afternoon Arts Camp only (2 weeks) \$192.00

Pre-Ballet/Storybook Dance (one 45-minute classes/week) 4 weeks
\$55.00

Tap (2 classes/week) \$112.00

Adults:(one class/week) 5 weeks

Ballet/Jazz/Modern - 1.5 hours \$72.00

Pilates -based Mat Exercise/Hip-Hop/Ballet - 1 hour \$58.00

Summer Single Classes \$15.00

Program Discounts (only one type of discount may be applied)

UA Faculty & Staff Family 20% off per person

Multiple Child/Family Member Attending 25% off 2nd, 30% off 3rd

UA Dance Majors/Minors 20% off full summer program and/or single
class

Academic Year Curriculum (two 16-week semesters total)

Advanced 9 classes/week \$3,100.00

Intermediate II 7 classes/week \$2,624.00

Intermediate I 6 classes/week \$2,318.00

Advanced-Beginner 4 classes/week \$1,722.00

Beginner B 3 classes/week \$1,304.00

Beginner A 2 classes/week \$872.00

Pre-Ballet 1 class/week \$438.00

Storybook Dance 1 class/week \$438.00

Tap 1 class/week \$438.00

Adults:

Ballet/Jazz/Modern - 1.5 hours 1 class/week \$448.00

Pilates-based Mat Exercise/Hip-Hop/Ballet - 1 hour 1 class/week
\$360.00

Academic Year Single Classes \$15.00

Singles Classes for UA Dance students \$7.50

Program Discounts

UA Faculty & Staff Family 20% off per person

Multiple Child/Family Member Attending Dance Institute 25% off 2nd,
30% off 3rd

Refund Service Charge (per refund) \$25.00

This fee would be charged to any student or student's parent who has
paid tuition and requests a refund due to an injury or an extenuating
circumstance. (No charge would be incurred for crediting the tuition to
the time period when the student returns.)

Late Pick-up Fees (beginning 10 minutes after the end of the last class)

(for students who are not picked up following the last class of the day--
must be paid at the time of pickup or before the beginning of the next
scheduled class)

\$15 per hour

FINANCIAL AID

Financial Aid

Financial aid programs were developed by federal and state governments, as well as by institutions of postsecondary learning to assist students from families with limited resources in meeting their educational expenses. The primary purpose of financial aid is to ensure that no person is denied the opportunity of attending college because of financial need.

Generally, financial aid is provided in four forms: scholarships, grants, loans and work. To apply for all types of state and federal aid and programs, complete the Free Application for Federal Student Aid (FAFSA). You will be required to complete a separate application for University and non-university scholarships.

Mission Statement

The Mission of The University of Akron's Office of Student Financial Aid is to help students achieve their educational potential. This office accomplishes this by:

- Adhering to state and federal regulations as well as University policies regarding the awarding of aid funds

- Being committed to removing financial barriers for those who wish to pursue postsecondary learning

- Making every effort to assist students with financial need

- Having an awareness of the issues affecting our students and advocating for our students' interests at the institutional, state and federal levels

- Educating our students and their families by providing quality consumer information

- Respecting the dignity and diversity of each one of our students by providing services that do not discriminate on the basis of race, gender, ethnicity, sexual orientation, religion, disability, age or economic status

- Ensuring the confidentiality of our students' information

- Assuring the uniform application of all needs analysis formulas consistently across The University of Akron's full population of financial aid applicants

- Committing to the highest level of ethical behavior by avoiding conflict of interest or the appearance of such a conflict

Maintaining the highest level of professionalism reflects the Student Financial Aid office's commitment to the goals and mission of The University of Akron.

The Financial Aid website will serve as your guide. It has all the information needed to get started with financial aid applications and learn about the process of using aid to pay for college.

GENERAL EDUCATION

About General Education in the College of Applied Science and Technology

About General Education in the College of Applied Science and Technology

In order to improve articulation and to better serve our students, all associate degree programs currently within CAST will contain 17 credits* of general education course work to be selected from the areas and courses designated in the table below. Programs are required to make at least one selection from each of the 6 discipline areas listed**, making suggestions or requirements that are most appropriate for their degrees. This course work must be approved by GEAC and, therefore be accepted as part of the statewide Ohio Transfer Module. Programs are encouraged to select approved course work from CAST. The general education core will not appear in the University's General Bulletin but will, instead, be reflected within the program course work selected.

Core Curriculum for the College of Applied Science and Technology

Note: Course work with HIGHER numbers are accepted as General Education courses (e.g. Technical Math IV meets General Education requirements even though only Technical Math II & III are listed).

English Area: 3 credits

Credits

2020:121 English (or higher) 3

Oral Communication: 3 credits

Credits

2540:263 Professional Communications and Presentations 3

Mathematics: 3 credits

Credits

2030:152 Technical Math II 2

2030:153 Technical Math III (or higher) 2

2030:161 Math for Modern Technology 4

Social Science/Interpersonal Skills - 3 credits

Credits

2040:240 Human Relations 3

2040:242 American Urban Society 3

2040:247 Survey of Basic Economics 3

2040:243 Contemporary Global Issues 3

2040:244/344 Death and Dying 3

2040:241 Technology and Human Values 2

Natural Science: 3 credits

Credits

2820:105 Basic Chemistry 3

2820:111 Introductory Chemistry 3

2820:112 Introductory and Analytical Chemistry 3

2820:160 Technical Physics: Mechanics 4

2820:163 Technical Physics: Electricity & Magnetism 2

2820:164 Technical Physics: Heat & Light 2

Area Studies/Cultural Diversity: 2 credits

Credits

2040:254 The Black Experience from 1619 to 1877 2

2040:256 Diversity in American Society 2

2040:257 The Black Experience from 1877 to 1954 2

2040:258 The Black Experience 1954 to Present 2

Approved by College Faculty 12/15/2015

Courses listed may be substituted with equivalent courses from other colleges.

*Credit hour requirements reduced to 17 as a result of reduction of 1 credit for English 121

**Subject to change when the University of Akron finalizes the General Education Program.

General Education at Akron Campus

General Education Program

General Education provides a common intellectual experience for all university students. The program was designed to help students develop strong communication and critical thinking skills, a broad understanding of disciplinary areas, and the knowledge and skills necessary for responsible citizenship in an interconnected world. General Education is the foundation of all undergraduate degree programs at The University of Akron.

The University of Akron is implementing a revised General Education Program beginning Fall 2017. Students who entered the University prior to Fall 2017 can find their program requirements here.

Learning Outcomes

Students who complete the General Education Program will demonstrate foundational competency in

- Written communication, oral communication and information literacy.
- Creating and evaluating reasoned arguments, and employing quantitative, qualitative, and normative information in such arguments.
- Knowledge of representative content and methods of inquiry of the arts, humanities, natural sciences, and social sciences.
- Knowledge and skills that promote personal, social and environmental responsibility, including knowledge of diversity, systemic relationships, and collateral effects and consequences within and across systems.

Requirements

Students pursuing a bachelor's degree must complete three tiers of General Education coursework. Tiers I and II provide students with foundational skills and breadth of disciplinary knowledge. Tier III courses require students to integrate knowledge, understand diverse perspectives, and think critically about complex issues. Courses tagged for Tier III may also fulfill major or Disciplinary Area requirements.

Tier 1: Academic Foundations—12 credits

- Quantitative Reasoning (3)
- Speaking (3)
- Writing (6)

Tier 2: Disciplinary Areas—22 credits

- Arts and Humanities (9)
- Natural Science (7)
- Social Science (6)

Tier 3: Tags—4 courses

- Complex Systems Affecting Individuals in Society
- Critical Thinking
- Domestic Diversity

Global Diversity

Curriculum

Tier I: Academic Foundations

Quantitative Reasoning—3 credit hours

2030:161 Mathematics for Modern Technology (3)
 2030:152 Technical Mathematics II & 2030:153 Technical Mathematics

III (2/2, must take both)

3450:135 Mathematics for Everyday Life (3)

3450:145 Algebra for Calculus (4)

3450:149 Pre-Calculus (4)

3470:250 Statistics for Everyday Life (4)

3470:260 Basic Statistics (3)

3470:261 Introduction to Statistics I & 262 Introduction to Statistics II
 (2/2, must take both)

Students who successfully complete a mathematics or statistics course with a prerequisite on the above list satisfy the Quantitative Reasoning requirement.

Speaking - 3 credit hours

2420:263 Professional Communication and Presentation (3)

7600:105 Introduction to Public Speaking (3)

7600:106 Effective Oral Communication (3)

Writing—6 credit hours

First course

2020:121 English (3)

3300:110 Composition I + Workshop (4)

3300:111 Composition I (3)

Second course

2020:222 Technical Report Writing (3)

3300:112 Composition II (3)

Students who are placed in the second writing course and successfully complete it satisfy the Writing requirement.

Tier II: Disciplinary Area Courses

Fine Arts and Humanities—9 credit hours

Fine Arts - at least one course

7100:100 Art History Survey (3)

7100:210 Visual Arts Awareness (3)

7500:201 Exploring Music, Bach to Rock (3)

7800:264 Playscript and Performance Analysis (3)

7900:200 Viewing Dance (3)

Humanities - at least one course

3200:230 Sports and Society in the Ancient World (3)

3200:289 Mythology of Ancient Greece (3)

3300:252 Shakespeare and his World (3)

3300:281 Fiction Appreciation (3)

3400:200 Empires of the Ancient World GD (3)

3400:210 Humanities in the Western Tradition CT (4)

3400:221 Humanities in the World Since 1300 CT (4)

3501:210 Arabic Culture through Film (3)

3502:210 Chinese Culture through Film (3)

3560:210 Japanese Culture through Film (3)

3580:250 Hispanic Literature in Translation (3)

3600:101 Introduction to Philosophy (3)

3600:150 Critical Thinking (3)

3600:120 Introduction to Ethics (3)

3600:125 Theory and Evidence CT (3)

3600:170 Introduction to Logic (3)

3600:211 History of Ancient Philosophy CT (3)

Students must take at least one Arts course and at least one Humanities course. The second Arts or Humanities course may be in the same department or in a different one.

Courses marked GD or CT also fulfill a Tag requirement

Natural Science—7 credit hours, including 1 lab

2780:106 Anatomy and Physiology I, Allied Health (3)

2780:107 Anatomy and Physiology II, Allied Health (3)

2820:105 Basic Chemistry (3, lab)

2820:111 Introductory Chemistry (3, lab)

2820:112 Introductory and Analytical Chemistry (3, lab)

2820:160 Technical Physics – Mechanics (4, lab)

2820:163 Technical Physics - Electricity and Magnetism (2)

2820:164 Technical Physics - Heat and Light (2)

3100:103 Natural Science Biology (4, lab)

3100:106 Exploring Biology (3)

3150:101 Chemistry for Everyone (4)

3230:151 Human Evolution (4, lab)

3370:100 Earth Science (3)

3370:101 Introductory Physical Geology (4, lab)

3370:135 Geology of Energy Resources (1)

3370:171 Introduction to Oceans (3)

3370:201 Exercises in Environmental Geology I (1, lab)

3370:203 Exercises in Environmental Geology II (1, lab)

3370:211 Introduction to Environmental Science (3)

3650:130 Descriptive Astronomy (4, lab)

3650:133 Music, Sound, & Physics (4, lab)

3650:137 Light (4, lab)

7760:133 Nutrition Fundamentals (3)

A majors-track course in the natural sciences can substitute for a general education natural science course.

Students may fulfill the Natural Sciences requirement with any coursework that adds up to seven credit hours and includes a lab, using courses from the same department or different ones.

Social Science—6 credit hours

2040:240 Human Relations (3)

2040:241 Technology and Human Values (2)

2040:242 American Urban Society (3)

2040:243 Contemporary Global Issues GD (3)

2040:244/344 Death and Dying DD (3)

2040:247 Survey of Basic Economics CT (3)

2040:254 Black Experience from 1619-1877 DD (2)

2040:256 Diversity in American Society DD (2)

2040:257 Black Experience from 1877-1954 DD (2)

2040:258 Black Experience from 1954-Present DD (2)

3230:150 Human Cultures (3)

3230:251 Human Diversity GD (3)

3240:100 Introduction to Archaeology (3)

3250:100 Introduction to Economics (3)
 3250:200 Principles of Microeconomics (3)
 3250:244 Introduction to Economic Analysis (3)
 3350:100 Introduction to Geography (3)
 3400:250 United States History to 1877 DD (4)
 3400:251 United States History since 1877 DD (4)
 3700:100 Government and Politics in the United States (4)
 3700:150 World Politics and Governments (3)
 3750:100 Introduction to Psychology (3)
 3850:100 Introduction to Sociology DD (3)

Students may fulfill the Social Science area requirement using courses from the same department or different ones.

Courses marked CT, DD, or GD also fulfill tag requirement

Tier III: Tagged Courses

Complex Systems Affecting Individuals in Society - one course

3230:370 Globalization and Culture (3)
 3230:460 Field Methods in Cultural Anthropology (4)
 3250:385 Natural Resources and the Environment (3)
 3370:421 Coastal Geology (3)
 3370:452 Geology & Environmental Science Service Learning (3)
 3370:498 River Seminar (3)
 3580:308 Spanish Composition: Health Professions and First Responders (3)

3600:361 Biomedical Ethics (3)
 3600:365 Environmental Ethics (3)
 3750:425 Psychology of Hate (4)
 3850:320 Social Inequalities (3)
 3850:330 Criminology (3)
 3850:342 Sociology of Health and Illness (3)
 3850:433 Deviant Behavior (3)
 5500:223 Urban Youth Mentoring (3)
 7400:401 American Families in Poverty (3)

Critical Thinking - one course

2030:255 Technical Calculus I (3)
 2040:247 Survey of Basic Economics (3)
 2040:349 Integrated Human Behavior and Health (3)
 3230:359 Anthropological Theory (3)
 3240:400 Archaeological Theory (4)
 3250:226 Computer Skills for Economic Analysis (3)
 3250:380 Money and Banking (3)
 3250:400 Intermediate Macroeconomics (3)
 3250:410 Intermediate Microeconomics (3)
 3250:426 Applied Econometrics (4)
 3370:231 Silicate Mineralogy and Petrology (3)
 3370:350 Structural Geology (4)
 3370:444 Environmental Magnetism (3)
 3400:210 Humanities in the Western Tradition (4) HUM
 3400:221 Humanities in the World Since 1300 (4) HUM
 3400:323 History of Modern Europe (3)
 3600:125 Theory and Evidence (3) HUM
 3600:211 History of Ancient Philosophy (3) HUM
 3600:312 History of Medieval Philosophy (3)
 3600:313 History of Modern Philosophy (3)
 3750:110 Psychology Quantitative Methods (4)
 3750:220 Introduction to Experimental Psychology (4)
 3750:441 Clinical and Counseling Psychology (4)
 4400:401 Electrical Engineering Senior Design I (2)

4450:401 Computer Engineering Senior Design I (2)
 6400:200 Foundations of Personal Finance (3)
 7600:245 Argumentation (3)

Courses marked HUM also fulfill a Tier II Disciplinary Area requirement

Domestic Diversity - one course

2040:244/344 Death and Dying (3) SS
 2040:254 Black Experience from 1619-1877 (2) SS
 2040:256 Diversity in American Society (3) SS
 2040:257 Black Experience from 1877-1954 (2) SS
 2040:258 Black Experience from 1954-Present (2) SS
 3001:200 Introduction to Women's Studies (3)
 3230:358 Native North Americans (3)
 3250:487 Urban Economics (3)
 3350:350 Geography of the United States & Canada (3)
 3350:443 Urban Applications in GIS (3)
 3400:250 U.S. History to 1877 (4) SS
 3400:251 U.S. History since 1877 (4) SS
 3400:350 US Women's History (3)
 3580:307 Spanish Conversations for Health Professions (3)
 3600:455 Philosophy of Feminism (3)
 3750:435 Cross-Cultural Psychology (4)
 3750:474 Psychology of Women (4)
 3850:100 Introduction to Sociology (3) SS
 7600:325 Intercultural Communication (3)
 7750:270 Diversity and Social Work (3)
 7800:467 Multicultural Theatre (3)

Courses marked SS also fulfill a Tier II Disciplinary Area requirement

Global Diversity - one course

2040:243 Contemporary Global Issues (3) SS
 3230:251 Human Diversity (3) SS
 3350:275 Cultural Diversity (3)
 3400:200 Empires of the Ancient World (3) HUM
 3580:360 Hispanic Culture through Film (3)
 3600:340 Eastern Philosophy (3)
 3700:300 Comparative Politics (4)
 7800:335 History of Theatre and Dramatic Literature I (3)
 7800:435 History of Theatre and Dramatic Literature II (3)

Courses marked SS or HUM also fulfill a Tier II Disciplinary Area requirement

General Education/Transfer Program at Wayne College

General Education/Transfer Program

Wayne College offers the first two years of general baccalaureate education for transfer to the Akron campus of The University of Akron or to any other college or university. General courses in communications, the humanities, cultural diversity, social sciences, mathematics and natural sciences are required, along with basic courses in the student's chosen field.

The Wayne College Academic Catalog outlines the first two years of study for various bachelor's degree programs of The University of Akron. Some courses not currently available at Wayne College may also need to be completed in the first two years of selected University programs to assure

proper course sequencing and timely completion of degree requirements. These programs are marked with an asterisk (*). Please see a Wayne College advisor for further details.

Finally, completion of the courses listed may also qualify a student to receive either the Associate of Arts or the Associate of Science degree. Please consult a Wayne College advisor for further details.
Wayne College Academic Catalog 2013-2014

General Education/Transfer Program

Majors

(Curriculum Guides)

Art Studio Emphasis C10001BA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide found on page 4. The curriculum guide below on this page is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Myers School of Art**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2015 OR LATER:

Important: 2.5 GPA in major courses required for graduation

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I	3	
7100:144	Foundation 2D Design	3	
	<i>Natural Science Requirement</i>	4	
	<i>English Composition I Requirement (Note a)</i>	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:145	Foundation 3D Design	3	
7100:xxx	Art Studio Elective	3	
	<i>Social Science Requirement</i>	3	
	<i>English Composition II Requirement (Note a)</i>	3	3300:111 or equivalent
	<i>Physical Education/Wellness Requirement</i>	1	
7100:100	<i>Survey of Art History I (Note b)</i>	3	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7100:xxx	Art Studio Elective (Discipline 1, Note c)	3	
7100:xxx	Art Studio Elective (Discipline 2, Note c)	3	
7100:101	<i>Survey of Art History II (Note b)</i>	3	
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
Total		14	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:102	Survey of Art History III	3	
7100:xxx	Art Studio Elective (Discipline 3, Note c)	3	
7100:xxx	Art Studio Elective (Discipline 4, Note c)	3	
	Minor or Language Course (Note d)	3	
	Minor or Language Course (Note d)	3	
Total		15	

3 rd Year	Fall Semester	Credit Hours	Prerequisites
7100:xxx	Art Studio Elective (Discipline 5, Note c)	3	
7100:xxx	Art Studio Elective (Discipline 6, Note c)	3	

	<i>Social Science Requirement</i>	3	
	Minor or Language Course (Note d)	3	
	Minor or Language Course (Note d)	3	
Total		15	

3rd Year Spring Semester			
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
	Minor or Language Course (Note d)	3	
	Minor or Language Course (Note d)	3	
	Elective (Note e)	3	
7100:xxx	Upper-level Art History	3	
Total		18	

4th Year Fall Semester			
	Elective (Note e)	2	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, English requirement completed
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
	<i>Natural Science Requirement</i>	4	
Total		16	

4th Year Spring Semester			
7100:452 or 7100:496	Service Learning in Art -OR- Internship	3	
	Elective (Note e)	4	
	Elective (Note e)	3	
	Elective (Note e)	3	
	<i>Humanities Requirement (not Fine Arts set)</i>	3	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
Total		18	

2.5 cumulative Art GPA (all 7100:xxx courses) is required for graduation.	Minimum Total Credits for Degree	128	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- b. Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.

- c. Studio Art coursework must total 42 credits, including one course in six of the Myers School of Art discipline areas which include printmaking, sculpture, painting, drawing, metalsmithing, photography, ceramics, and computer imaging.
- d. Completion of tag as approved by Art advisor and mentor:
 - 2 years of foreign language
 - or 5 courses in American Sign Language
 - or an approved minor (15-18 credits)
- e. Free electives can be any course not already required by your major and upper-level (300/400) electives can be any course in or outside your major excluding workshops. See College of Arts & Sciences section below.

COLLEGE OF ARTS & SCIENCES:

Effective Fall 2015, degree requirements for degrees offered in the Myers School of Art through the College of Arts & Sciences include a minimum of 40 credits of 300/400 level courses (excluding workshops) consisting of either:

- Upper level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops

Please work closely with your academic adviser to identify courses that meet the College of Arts & Sciences upper level (300/400) requirement.

PLACEMENT:

A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

Myers School of Art Contacts–

Ms. Janice Troutman, Interim Director of the Myers School of Art, (330) 972-6030

Ms. Katie Timperio, Manager of Student Affairs, Folk Hall 103C, (330) 972-5959, e-mail: kat1@uakron.edu.

Art Studio Emphasis C10001BA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide below on this page. The curriculum guide above is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Myers School of Art**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM PRIOR TO FALL 2015:

Important: 2.5 GPA in major courses required for graduation

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I	3	
7100:144	Foundation 2D Design	3	
	<i>Natural Science Requirement</i>	4	
	<i>English Composition I Requirement (Note a)</i>	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:145	Foundation 3D Design	3	
7100:xxx	Art Studio Elective	3	
	<i>Social Science Requirement</i>	3	
	<i>English Composition II Requirement (Note a)</i>	3	3300:111 or equivalent
	<i>Physical Education/Wellness Requirement</i>	1	
7100:100	<i>Survey of Art History I (Note b)</i>	3	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7100:xxx	Art Studio Elective (Discipline 1, Note c)	3	
7100:xxx	Art Studio Elective (Discipline 2, Note c)	3	
7100:101	<i>Survey of Art History II (Note b)</i>	3	
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
Total		14	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:102	Survey of Art History III	3	
7100:xxx	Art Studio Elective (Discipline 3, Note c)	3	
7100:xxx	Art Studio Elective (Discipline 4, Note c)	3	
	Minor or Language Course (Note d)	3	
	Minor or Language Course (Note d)	3	
Total		15	

3 rd Year	Fall Semester	Credit Hours	Prerequisites
7100:xxx	Art Studio Elective (Discipline 5, Note c)	3	
7100:xxx	Art Studio Elective (Discipline 6, Note c)	3	

	<i>Social Science Requirement</i>	3	
	Minor or Language Course (Note d)	3	
	Minor or Language Course (Note d)	3	
Total		15	

3rd Year Spring Semester			
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
	Minor or Language Course (Note d)	3	
	Minor or Language Course (Note d)	3	
	Elective (Note e)	3	
7100:xxx	Upper-level Art History	3	
Total		18	

4th Year Fall Semester			
	Elective (Note e)	2	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, English requirement completed
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
	<i>Natural Science Requirement</i>	4	
Total		16	

4th Year Spring Semester			
7100:452 or 7100:496	Service Learning in Art -OR- Internship	3	
	Elective (Note e)	4	
	Elective (Note e)	3	
	Elective (Note e)	3	
	<i>Humanities Requirement (not Fine Arts set)</i>	3	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
Total		18	

2.5 cumulative Art GPA (all 7100:xxx courses) is required for graduation.	Minimum Total Credits for Degree	128	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- b. Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.

- c. Studio Art coursework must total 42 credits, including one course in six of the Myers School of Art discipline areas which include printmaking, sculpture, painting, drawing, metalsmithing, photography, ceramics, and computer imaging.
- d. Completion of tag as approved by Art advisor and mentor:
 - 2 years of foreign language
 - or 5 courses in American Sign Language
 - or an approved minor (15-18 credits)
- e. Free electives can be any course not already required by your major and upper-level (300/400) electives can be any course in or outside your major excluding General education courses and workshops.

Myers School of Art Contacts–

Ms. Janice Troutman, Interim Director of the Myers School of Art, (330) 972-6030

Ms. Katie Timperio, Manager of Student Affairs, Folk Hall 103C, (330) 972-5959, e-mail: kat1@uakron.edu.

PLACEMENT:

A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in “My Akron.”

ART HISTORY C10002BA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide found on page 4. The curriculum guide below on this page is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Myers School of Art**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2015 OR LATER:

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I (Studio Elective)	3	
7100:144	Foundation 2D Design (Studio Elective)	3	
7100:100	<i>Survey of Art History I</i> (Note a)	3	
	<i>English Composition I Requirement</i> (Note b)	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:275	Intro to Photography	3	7100:131 and 144
	<i>Social Science Requirement</i>	3	
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>English Composition II Requirement</i> (Note b)	3	3300:111 or equivalent
7100:101	<i>Survey of Art History II</i> (Note a)	3	7100:100
	<i>Physical Education/Wellness Requirement</i>	1	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
	<i>Social Science Requirement</i>	3	
	<i>Natural Science Requirement</i>	4	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
	Open electives OR Beginning Language I - German, Italian or French (Note c)	2-4	
7100:102	Survey of Art History III	3	7100:101
Total		14-16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:xxx	Upper level Art History (Note f)	3	
7100:xxx	Upper level Art History (Note f)	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, English requirement completed
	Beginning Language II - German, Italian or French (Note c)	4	Beginning Language I
Total		16	

3rd Year Fall Semester			
	Intermediate Language I - German, Italian or French (Note c)	3	Beginning Language II
	<i>Humanities Requirement (not Fine Arts set)</i>	3	3400:210 or 221
	<i>Natural Science Requirement</i>	4	
7100:xxx	Upper level Art History (Note f)	3	
7100:xxx	Upper level Art History (Note f)	3	
Total		16	

3rd Year Spring Semester			
7100:498	SP: History of Art (Senior Thesis)	2	
	Intermediate Language II - German, Italian or French (Note c)	3	Beginning Language II
7100:XXX	Upper level Art History (Note f)	3	
7100:XXX	Upper level Art History (Note f)	3	
7100:XXX	Upper level Art History (Note f)	3	
	Cognate Elective (Note d)	3	
Total		17	

4th Year Fall Semester			
7100:498	SP: History of Art (Senior Thesis)	1	
7100:xxx	Upper level Art History (Note f)	3	
7100:xxx	Upper level Art History (Note f)	3	
7100:xxx	Upper level Art History (Note f)	3	
	Cognate Elective (Note d)	3	
	Cognate Elective (Note d)	3	
Total		14	

4th Year Spring Semester			
	Cognate Elective (Note d)	3	
	Cognate Elective (Note d)	3	
	Cognate Elective (Note d)	3	
	Cognate Elective (Note d)	3	
	Cognate Elective (Note d)	3	
Total		15	

2.5 GPA in major courses required for graduation	Minimum Credits for Degree	125	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.
- For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- Art History majors are required to choose from German, Italian or French to fulfill their language requirement. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.

- d. Note: Cognate electives can be selected from the following departments: 3001, 3002, 3200, 3210, 3230, 3240, 3250, 3300, 3400, 3510, 3580, 3600, 3700, 7000, 7100, 7500, 7600, 7800 and 7900.
- e. Free electives can be any course not already required by your major and upper-level (300/400) electives can be any course in or outside your major excluding workshops. See College of Arts & Sciences section below.
- f. Please see the following for selection of upper level coursework in art history. Please be aware that course offering is subject to cyclical scheduling, per the Myers School of Art.

Ancient Art (3 cr): (Select one)	7100:309 Greek Art (3 cr) 7100:312 Roman Art and Architecture (3 cr)
Medieval Art (3 cr):	7100:301 Medieval Art (3 cr)
Renaissance Art (3 cr): (Select one)	7100:303 Renaissance Art in Italy (3 cr) 7100:306 Renaissance Art in Northern Europe (3 cr)
17th/18th/19th Century Art (3 cr):	7100:302 Art in Europe 17th and 18th c. (3 cr)
Modern and Contemporary Art (3 cr): (Select one)	7100:300 Art Since 1945 (3 cr) 7100:435 Contemporary Art Issues (3 cr) 7100:370 History of Photography (3 cr)
Non-Western Art (3 cr):	7100:313 Survey of Asian Art (3 cr)
Methodology Courses (3 cr): (Select one)	7100:403 Art and Critical Theory (3 cr) 7100:407 Methods of Art History (3 cr)
Art History Electives (9 cr):	(Select three courses) 7100:307 History of Graphic Design (3 cr) 7100:356 History of Craft (3 cr) 7100:401 ST: History of Art 3 credits (3 cr) 7100:402 Museology (3 cr) 7100:405 History of Art Symposium 3 credits (3 cr)

COLLEGE OF ARTS & SCIENCES:

Effective Fall 2015, degree requirements for degrees offered in the Myers School of Art through the College of Arts & Sciences include a minimum of 40 credits of 300/400 level courses (excluding workshops) consisting of either:

- Upper level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops

Please work closely with your academic adviser to identify courses that meet the College of Arts & Sciences upper level (300/400) requirement.

PLACEMENT: A student is encouraged to check with his/her major department (advisor and faculty mentor) and with the Career Center, Student Union 211, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

Myers School of Art Contacts–

Ms. Janice Troutman, Interim Director of the Myers School of Art, (330) 972-6030

Ms. Katie Timperio, Manager of Student Affairs, Folk Hall 103C, (330) 972-5959, e-mail: kat1@uakron.edu.

ART HISTORY C10002BA

Art Studio Emphasis C10001BA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide below on this page. The curriculum guide above is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Myers School of Art**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM PRIOR TO FALL 2015:

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I (Studio Elective)	3	
7100:144	Foundation 2D Design (Studio Elective)	3	
7100:100	<i>Survey of Art History I</i> (Note a)	3	
	<i>English Composition I Requirement</i> (Note b)	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:275	Intro to Photography	3	7100:131 and 144
	<i>Social Science Requirement</i>	3	
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>English Composition II Requirement</i> (Note b)	3	3300:111 or equivalent
7100:101	<i>Survey of Art History II</i> (Note a)	3	7100:100
	<i>Physical Education/Wellness Requirement</i>	1	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
	<i>Social Science Requirement</i>	3	
	<i>Natural Science Requirement</i>	4	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
	Beginning Language I - German, Italian or French (Note c)	4	
7100:102	Survey of Art History III	3	7100:101
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:xxx	Upper level Art History (Note f)	3	
7100:xxx	Upper level Art History (Note f)	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, English requirement completed
	Beginning Language II - German, Italian or French (Note c)	4	Beginning Language I
Total		16	

3rd Year Fall Semester			
	Intermediate Language I - German, Italian or French (Note c)	3	Beginning Language II
	<i>Humanities Requirement (not Fine Arts set)</i>	3	3400:210 or 221
	<i>Natural Science Requirement</i>	4	
7100:xxx	Upper level Art History (Note f)	3	
7100:xxx	Upper level Art History (Note f)	3	
Total		16	

3rd Year Spring Semester			
7100:498	SP: History of Art (Senior Thesis)	2	
	Intermediate Language II - German, Italian or French (Note c)	3	Beginning Language II
7100:XXX	Upper level Art History (Note f)	3	
7100:XXX	Upper level Art History (Note f)	3	
7100:XXX	Upper level Art History (Note f)	3	
	Cognate Elective (Note d)	3	
Total		17	

4th Year Fall Semester			
7100:498	SP: History of Art (Senior Thesis)	1	
7100:xxx	Upper level Art History (Note f)	3	
7100:xxx	Upper level Art History (Note f)	3	
7100:xxx	Upper level Art History (Note f)	3	
	Cognate Elective (Note d)	3	
	Cognate Elective (Note d)	3	
Total		16	

4th Year Spring Semester			
	Cognate Elective (Note d)	3	
	Cognate Elective (Note d)	3	
	Cognate Elective (Note d)	3	
	Cognate Elective (Note d)	3	
	Cognate Elective (Note d)	3	
	Free Elective (Note e)	1	
Total		16	

2.5 GPA in major courses required for graduation	Minimum Credits for Degree	128	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.
- b. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.

- c. Art History majors are required to choose from German, Italian or French to fulfill their language requirement. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- d. Note: Cognate electives can be selected from the following departments: 3001, 3002, 3200, 3210, 3230, 3240, 3250, 3300, 3400, 3510, 3580, 3600, 3700, 7000, 7100, 7500, 7600, 7800 and 7900.
- e. Free electives can be any course not already required by your major and upper-level (300/400) electives can be any course in or outside your major excluding General education courses and workshops.
- f. Please see the following for selection of upper level coursework in art history. Please be aware that course offering is subject to cyclical scheduling, per the Myers School of Art.

Ancient Art (3 cr): (Select one)	7100:309 Greek Art (3 cr) 7100:312 Roman Art and Architecture (3 cr)
Medieval Art (3 cr):	7100:301 Medieval Art (3 cr)
Renaissance Art (3 cr): (Select one)	7100:303 Renaissance Art in Italy (3 cr) 7100:306 Renaissance Art in Northern Europe (3 cr)
17th/18th/19th Century Art (3 cr):	7100:302 Art in Europe 17th and 18th c. (3 cr)
Modern and Contemporary Art (3 cr): (Select one)	7100:300 Art Since 1945 (3 cr) 7100:435 Contemporary Art Issues (3 cr) 7100:370 History of Photography (3 cr)
Non-Western Art (3 cr):	7100:313 Survey of Asian Art (3 cr)
Methodology Courses (3 cr): (Select one)	7100:403 Art and Critical Theory (3 cr) 7100:407 Methods of Art History (3 cr)
Art History Electives (9 cr):	(Select three courses) 7100:307 History of Graphic Design (3 cr) 7100:356 History of Craft (3 cr) 7100:401 ST: History of Art 3 credits (3 cr) 7100:402 Museology (3 cr) 7100:405 History of Art Symposium 3 credits (3 cr)

Myers School of Art Contacts–

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Ms. Katie Timperio, Manager of Student Affairs, Folk Hall 103C, (330) 972-5959, e-mail: kat1@uakron.edu.

PLACEMENT: A student is encouraged to check with his/her major department (advisor and faculty mentor) and with the Career Center, Student Union 211, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in “My Akron.”

PRINTMAKING C10003BFA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide found on page 4. The curriculum guide below on this page is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Myers School of Art**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2015 OR LATER:

*Course offered only in semester indicated

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I	3	
7100:144	Foundation 2D Design	3	
7100:100	<i>Survey of Art History I (Note a)</i>	3	
	<i>English Composition I Requirement (Note b)</i>	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:145	Foundation 3D Design	3	
7100:233	Foundation Life Drawing	3	7100:131
7100:213	Intro to Printmaking	3	7100:131 or 144
	<i>English Composition II Requirement (Note b)</i>	3	3300:111 or equivalent
7100:101	<i>Survey of Art History II (Note a)</i>	3	7100:100
	<i>Physical Education/Wellness Requirement</i>	1	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7100:250	Foundation Review (Note c)	0	7100:131, 144, 145, 233
7100:214	*Relief/Screenprinting	3	7100:213
7100:273	Intro to Digital Photography	3	7100:131 and 144
7100:243	Intro to Painting	3	7100:131 and 144
7100:102	Survey of Art History III	3	7100:101
	<i>Speech/Oral Communication Requirement</i>	3	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:216	*Intaglio/Lithography	3	7100:213
7100:231	Intermediate Drawing	3	7100:131
7100:185	Intro to Computer Graphics	3	7100:131 and 144 or permission
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, English requirement completed
7100:xxx	Contemporary Art History Elective (see Art	3	32 credits, English requirement completed

	Advisor)		
Total		16	

3rd Year Fall Semester			
7100:317	Print Matrix	3	7100:214 and 216
7000:100	Intro to New Media	3	
	Elective (Note d)	3	
7100:xxx	Art Studio Elective	3	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
	<i>Social Science Requirement</i>	3	
Total		17	

3rd Year Spring Semester			
7100:317	Print Matrix	3	7100:214 and 216
7100:319	Printmaking Review	0	7100:317
7100:xxx	3D Intro Level Class (Note e)	3	
7100:xxx	Art Studio Elective	3	
	<i>Natural Science Requirement</i>	4	
	<i>Social Science Requirement</i>	3	
Total		16	

4th Year Fall Semester			
7100:418	Multiples and Multiplicity	3	7100:64 credits and at least one 300 level Art (7100) course
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Natural Science Requirement</i>	4	
Total		15	

4th Year Spring Semester			
7100:418	Multiples and Multiplicity	3	7100:64 credits and at least one 300 level Art (7100) course
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
7100:495	Senior Exhibition	0	
	<i>Humanities Requirement (not Fine Arts set)</i>	3	3400:210 or 221
7100:xxx	Art History Elective	3	
Total		15	

2.5 GPA in major courses required for graduation	Minimum Credits for Degree	125 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

Notes:

- a. Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.
- b. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the

English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.

- c. The course **7100:250 Foundation Review** is a faculty review of completed coursework prior to a student's in-depth study in specialization areas. It is a requirement for all Bachelor of Fine Arts degrees. The Foundation Program is a sequence of classes that investigate the fundamentals of visual art and design. These interdependent classes are structured around a common questioning of formal and conceptual issues, providing students with a base of knowledge in visual art and theory on which students can develop their work. The courses in the Foundation Program are required for all BFA art majors and should be completed during the first two years of a student's course of study. These courses present knowledge fundamental in preparation for a career in visual art or design. Students are expected to have an understanding of the verbal use and visual application of vocabulary terms that are related to the concepts of art, design, and art history. The foundation classes are prerequisite to all intermediate and advanced coursework.
- d. Free electives can be any course not already required by your major and upper-level (300/400) electives can be any course in or outside your major excluding workshops. See College of Arts & Sciences section below.
- e. Examples of 3D Intro classes are 7100:222 Intro to Sculpture, 7100:254 Intro to Ceramics or 7100:266 Intro to Metals.

COLLEGE OF ARTS & SCIENCES:

Effective Fall 2015, degree requirements for degrees offered in the Myers School of Art through the College of Arts & Sciences include a minimum of 40 credits of 300/400 level courses (excluding workshops) consisting of either:

- Upper level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops

Please work closely with your academic adviser to identify courses that meet the College of Arts & Sciences upper level (300/400) requirement.

PLACEMENT:

A student is encouraged to check with his/her major department (advisor and faculty mentor) and with the Career Center, Student Union 211, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

Myers School of Art Contacts–

Ms. Janice Troutman, Interim Director of the Myers School of Art, (330) 972-6030

Ms. Katie Timperio, Manager of Student Affairs, Folk Hall 103C, (330) 972-5959, e-mail: kat1@uakron.edu.

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Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide below on this page. The curriculum guide above is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Myers School of Art**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM PRIOR TO FALL 2015:

*Course offered only in semester indicated

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I	3	
7100:144	Foundation 2D Design	3	
7100:100	<i>Survey of Art History I</i> (Note a)	3	
	<i>English Composition I Requirement</i> (Note b)	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:145	Foundation 3D Design	3	
7100:233	Foundation Life Drawing	3	7100:131
7100:213	Intro to Printmaking	3	7100:131 or 144
	<i>English Composition II Requirement</i> (Note b)	3	3300:111 or equivalent
7100:101	<i>Survey of Art History II</i> (Note a)	3	7100:100
	<i>Physical Education/Wellness Requirement</i>	1	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7100:250	Foundation Review (Note c)	0	7100:131, 144, 145, 233
7100:214	*Relief/Screenprinting	3	7100:213
7100:273	Intro to Digital Photography	3	7100:131 and 144
7100:243	Intro to Painting	3	7100:131 and 144
7100:102	Survey of Art History III	3	7100:101
	<i>Speech/Oral Communication Requirement</i>	3	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:216	*Intaglio/Lithography	3	7100:213
7100:231	Intermediate Drawing	3	7100:131
7100:185	Intro to Computer Graphics	3	7100:131 and 144 or permission
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, English requirement completed
7100:xxx	Contemporary Art History Elective (see Art Advisor)	3	
Total		16	

3rd Year		Fall Semester	
7100:317	Print Matrix	3	7100:214 and 216
7000:100	Intro to New Media	3	
	Elective (Note d)	3	
7100:xxx	Art Studio Elective	3	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
	<i>Social Science Requirement</i>	3	
Total		17	

3rd Year		Spring Semester	
7100:317	Print Matrix	3	7100:214 and 216
7100:319	Printmaking Review	0	7100:317
7100:xxx	3D Intro Level Class (Note e)	3	
7100:xxx	Art Studio Elective	3	
	<i>Natural Science Requirement</i>	4	
	<i>Social Science Requirement</i>	3	
Total		16	

4th Year		Fall Semester	
7100:418	Multiples and Multiplicity	3	7100:64 credits and at least one 300 level Art (7100) course
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Natural Science Requirement</i>	4	
Total		15	

4th Year		Spring Semester	
7100:418	Multiples and Multiplicity	3	7100:64 credits and at least one 300 level Art (7100) course
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
7100:495	Senior Exhibition	0	
	<i>Humanities Requirement (not Fine Arts set)</i>	3	3400:210 or 221
7100:xxx	Art History Elective	3	
	Elective (Note d)	3	
Total		18	

2.5 GPA in major courses required for graduation	Minimum Credits for Degree	128 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

Notes:

- Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.
- For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to the

meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.

- c. The course **7100:250 Foundation Review** is a faculty review of completed coursework prior to a student's in-depth study in specialization areas. It is a requirement for all Bachelor of Fine Arts degrees. The Foundation Program is a sequence of classes that investigate the fundamentals of visual art and design. These interdependent classes are structured around a common questioning of formal and conceptual issues, providing students with a base of knowledge in visual art and theory on which students can develop their work. The courses in the Foundation Program are required for all BFA art majors and should be completed during the first two years of a student's course of study. These courses present knowledge fundamental in preparation for a career in visual art or design. Students are expected to have an understanding of the verbal use and visual application of vocabulary terms that are related the concepts of art, design, and art history. The foundation classes are prerequisite to all intermediate and advanced coursework.
- d. Free electives can be any course not already required by your major and upper-level (300/400) electives can be any course in or outside your major excluding General education courses and workshops.
- e. Examples of 3D Intro classes are 7100:222 Intro to Sculpture, 7100:254 Intro to Ceramics or 7100:266 Intro to Metals.

Myers School of Art Contacts–

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PLACEMENT

A student is encouraged to check with his/her major department (advisor and faculty mentor) and with the Career Center, Student Union 211, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

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The following information has official approval of the **Myers School of Art**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

BOLDED courses are prerequisites or have prerequisites and must be taken during the semester indicated in this guide to avoid schedule conflicts, removal from advanced and senior studio courses and delay of graduation.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

*Course offered only in semester indicated.

Important: 2.5 GPA in major courses required for graduation.

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I	3	
7100:144	Foundation 2D Design	3	
7100:100	Survey of Art History I (Note a)	3	
	<i>English Composition I Requirement (Note b)</i>	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:145	Foundation 3D Design	3	
7100:233	Foundation Life Drawing	3	7100:131
7100:243	Intro to Painting	3	7100:131 and 7100:144
	<i>English Composition II Requirement (Note b)</i>	3	3300:111 or equivalent
7100:101	Survey of Art History II (Note a)	3	7100:100
	<i>Physical Education/Wellness Requirement</i>	1	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7100:250	Foundation Review (Note c)	0	7100:131, 7100:144, 7100:145, 7100:233
7100:335	Intermediate Life Drawing	3	7100:233
7100:348	Intermediate Painting	3	7100:243
7100:231	Intermediate Drawing	3	7100:131
7100:102	Survey of Art History III	3	7100:101
	<i>Speech/Oral Communication Requirement</i>	3	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:450	Advanced Life Drawing	3	7100:335
7100:348	Intermediate Painting	3	7100:243
7100:185	Intro to Computer Graphics	3	7100:131 and 7100:144 or permission
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, English requirement completed
	<i>Natural Science Requirement with a lab</i>	4	32 credits, English requirement completed
Total		17	

3 rd Year		Fall Semester	
7100:455	Advanced Painting	3	7100:231 and 7100:348
7100:450	Advanced Life Drawing	3	7100:335
7100:213	Intro to Printmaking	3	7100:131 or 7100:144
	<i>Natural Science Requirement</i>	4	
	<i>Social Science Requirement</i>	3	
Total		16	

3 rd Year		Spring Semester	
7100:455	Advanced Painting	3	7100:231 and 7100:348
7100:350	Painting/Drawing Portfolio Review	0	Two courses in 7100:348
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
7100:300	Art Since 1945*	3	
7100:xxx	Art History Elective	3	
	<i>Social Science Requirement</i>	3	
Total		18	

4 th Year		Fall Semester	
7100:455	Advanced Painting	3	7100:231 and 7100:348
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
7100:435	Contemporary Art Issues	3	7100:101 or permission
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
Total		14	

4 th Year		Spring Semester	
7100:xxx	Art Studio Elective (strongly suggested to repeat 7100:455)	3	
7100:xxx	Art Studio Elective	3	
7100:495	Senior Exhibition	0	
	<i>Humanities Requirement (not Fine Arts set)</i>	3	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
	Elective (Note d)	2	
Total		13	

2.5 cumulative Art GPA (all 7100:xxx courses) is required for graduation.	Minimum Credits for Degree	128 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

Notes:

- Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities requirement in the Fine Arts set for general education requirements.
- For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.

- c. The course **7100:250 Foundation Review** is a faculty review of completed coursework prior to a student's in-depth study in specialization areas. It is a requirement for all Bachelor of Fine Arts degrees. The Foundation Program is a sequence of classes that investigate the fundamentals of visual art and design. These interdependent classes are structured around a common questioning of formal and conceptual issues, providing students with a base of knowledge in visual art and theory on which students can develop their work. The courses in the Foundation Program are required for all BFA art majors and should be completed during the first two years of a student's course of study. These courses present knowledge fundamental in preparation for a career in visual art or design. Students are expected to have an understanding of the verbal use and visual application of vocabulary terms that are related the concepts of art, design, and art history. The foundation classes are prerequisite to all intermediate and advanced coursework.
- d. Free electives can be any course not already required by your major and upper-level (300/400) electives can be any course in or outside your major excluding General education courses and workshops.

Students admitted into this degree program Fall 2015 or later, upper-level (300/400) electives can be any course in or outside your major excluding workshops. See College of Arts & Sciences section below.

COLLEGE OF ARTS & SCIENCES:

For students admitted into this degree program Fall 2015 or later, degree requirements for degrees offered in the Myers School of Art through the College of Arts & Sciences include a minimum of 40 credits of 300/400 level courses (excluding workshops) consisting of either:

- Upper level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops

Please work closely with your academic adviser to identify courses that meet the College of Arts & Sciences upper level (300/400) requirement.

Myers School of Art Contacts–

Ms. Janice Troutman, Interim Director of the Myers School of Art, (330) 972-6030

Ms. Katie Timperio, Manager of Student Affairs, Folk Hall 103C, (330) 972-5959, e-mail: kat1@uakron.edu

PLACEMENT:

A student is encouraged to check with his/her major department (advisor and faculty mentor) and with the Career Center, Student Union 211, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

Sculpture C10005BFA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide found on page 4. The curriculum guide below on this page is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Myers School of Art**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2015 OR LATER:

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I	3	
7100:144	Foundation 2D Design	3	
7100:100	<i>Survey of Art History I (Note a)</i>	3	
	<i>English Composition I Requirement (Note b)</i>	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
	<i>Physical Education/Wellness Requirement</i>	1	
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:145	Foundation 3D Design	3	
7100:233	Foundation Life Drawing	3	7100:131
7100:289	Production I	3	7100:132
	<i>English Composition II Requirement (Note b)</i>	3	3300:111 or equivalent
7100:101	<i>Survey of Art History II (Note a)</i>	3	7100:100
Total		15	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7100:250	Foundation Review (Note c)	0	7100:131, 7100:144, 7100:145, 7100:233
7100:222	Introduction to Sculpture	3	7100:145
7100:266 or 7100:254	Introduction to Metals -OR- Introduction to Ceramics	3	7100:144 and 7100:145 7100:131 and 7100:144
7100:231	Intermediate Drawing	3	7100:131
7100:102	Survey of Art History III	3	7100:101
	<i>Speech/Oral Communication Requirement</i>	3	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:224	Installation Art	3	7100:222
7100:xxx	Art studio elective	3	
7100:xxx	Art History elective	3	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, 3300:112 equivalent 32 credits, 3300:112 equivalent
	<i>Natural Science Requirement</i>	4	
Total		17	

3rd Year		Fall Semester	
7100:322	Sculpture II	3	7100:222
7100:xxx	Art studio elective	3	7100:250 and 7100:322
7100:xxx	Art studio elective	3	
	<i>Natural Science Requirement</i>	4	
	<i>Social Science Requirement</i>	3	
Total		16	

3rd Year		Spring Semester	
7100:422	Advanced Sculpture	3	7100:250 and 7100:322
7100:xxx	Art studio elective	3	
7100:xxx	Art studio elective	3	
	<i>Social Science Requirement</i>	3	
7100:xxx	Contemporary Art History Elective	3	
Total		15	

4th Year		Fall Semester	
7100:422	Advanced Sculpture	3	7100:250 and 7100:322
7100:420	Sculpture Review	0	First 7100:422, prerequisite Second 7100:422, corequisite
7100:xxx	Art studio elective	3	
7100:457	Professional Practice	3	Junior or senior status
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
	Elective (Note d)	4	
Total		15	

4th Year		Spring Semester	
7100:xxx	Art studio elective	3	
7100:422	Advanced Sculpture	3	7100:250 and 7100:322
7100:495	Senior Exhibition	0	
	<i>Humanities Requirement (not Fine Arts set)</i>	3	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
	Elective (Note d)	3	
Total		14	

2.5 GPA in major courses (7100:xxx) required for graduation	Minimum Total Credits for Degree	123	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.
- b. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.

- c. The course **7100:250 Foundation Review** is a faculty review of completed coursework prior to a student's in-depth study in specialization areas. It is a requirement for all Bachelor of Fine Arts degrees. The Foundation Program is a sequence of classes that investigate the fundamentals of visual art and design. These interdependent classes are structured around a common questioning of formal and conceptual issues, providing students with a base of knowledge in visual art and theory on which students can develop their work. The courses in the Foundation Program are required for all BFA art majors and should be completed during the first two years of a student's course of study. These courses present knowledge fundamental in preparation for a career in visual art or design. Students are expected to have an understanding of the verbal use and visual application of vocabulary terms that are related the concepts of art, design, and art history. The foundation classes are prerequisite to all intermediate and advanced coursework.
- d. Free electives can be any course not already required by your major and upper-level (300/400) electives can be any course in or outside your major excluding General education courses and workshops.

Myers School of Art Contacts–

Ms. Janice Troutman, Interim Director of the Myers School of Art, (330) 972-6030

Ms. Katie Timperio, Manager of Student Affairs, Folk Hall 103C, (330) 972-5959, e-mail: kat1@uakron.edu.

COLLEGE OF ARTS & SCIENCES:

For students admitted into this degree program Fall 2015 or later, degree requirements for degrees offered in the Myers School of Art through the College of Arts & Sciences include a minimum of 40 credits of 300/400 level courses (excluding workshops) consisting of either:

- Upper level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops

Please work closely with your academic adviser to identify courses that meet the College of Arts & Sciences upper level (300/400) requirement.

PLACEMENT:

A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

Sculpture C10005BFA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide below on this page. The curriculum guide above is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Myers School of Art**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM PRIOR TO FALL 2015:

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I	3	
7100:144	Foundation 2D Design	3	
7100:100	<i>Survey of Art History I (Note a)</i>	3	
	<i>English Composition I Requirement (Note b)</i>	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:145	Foundation 3D Design	3	
7100:233	Foundation Life Drawing	3	7100:131
7100:185	Introduction to Computer Graphics	3	7100:131 and 7100:144
	<i>English Composition II Requirement (Note b)</i>	3	3300:111 or equivalent
7100:101	<i>Survey of Art History II (Note a)</i>	3	7100:100
Total		15	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7100:250	Foundation Review (Note c)	0	7100:131, 7100:144, 7100:145, 7100:233
7100:222	Introduction to Sculpture	3	7100:145
7100:266 or 7100:254	Introduction to Metals -OR- Introduction to Ceramics	3	7100:144 and 7100:145 7100:131 and 7100:144
7100:231	Intermediate Drawing	3	7100:131
7100:102	Survey of Art History III	3	7100:101
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>Physical Education/Wellness Requirement</i>	1	
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:322	Sculpture II	3	7100:222
7100:323	Lost Wax Casting	3	7100:222 or 7100:266
7100:xxx	Art studio elective	3	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, 3300:112 equivalent 32 credits, 3300:112 equivalent
	Free Elective (Note d)	3	
Total		16	

3rd Year Fall Semester			
7100:422	Advanced Sculpture	3	7100:250 and 7100:322
7100:xxx or 7100:224	Sculpture-Stone -OR- Installation Art	3	7100:222
7100:xxx	Art studio elective	3	
	<i>Natural Science Requirement</i>	4	
	<i>Social Science Requirement</i>	3	
Total		16	

3rd Year Spring Semester			
7100:422	Advanced Sculpture	3	7100:250 and 7100:322
7100:420	Sculpture Junior Review	0	First 7100:422, prerequisite Second 7100:422, corequisite
7100:xxx	Art studio elective	3	
7100:xxx	Art studio elective	3	
	<i>Social Science Requirement</i>	3	
7100:xxx	Art History Elective	3	
Total		15	

4th Year Fall Semester			
7100:422	Advanced Sculpture	3	7100:250 and 7100:322
7100:xxx	Art studio elective	3	
7100:xxx	Art studio elective	3	
7100:xxx	Art History Elective	3	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
	<i>Natural Science Requirement</i>	4	
Total		18	

4th Year Spring Semester			
7100:xxx	Art studio elective	3	strongly recommended to repeat 7100:422 Advanced Sculpture
7100:xxx	Art studio elective	3	
7100:xxx	Art studio elective	3	
7100:495	Senior Exhibition	0	
	<i>Humanities Requirement (not Fine Arts set)</i>	3	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
	Elective (Note d)	3	
Total		17	

2.5 GPA in major courses (7100:xxx) required for graduation	Minimum Total Credits for Degree	128	
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NOTES:

- Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.
- For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121

(English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.

- c. The course **7100:250 Foundation Review** is a faculty review of completed coursework prior to a student's in-depth study in specialization areas. It is a requirement for all Bachelor of Fine Arts degrees. The Foundation Program is a sequence of classes that investigate the fundamentals of visual art and design. These interdependent classes are structured around a common questioning of formal and conceptual issues, providing students with a base of knowledge in visual art and theory on which students can develop their work. The courses in the Foundation Program are required for all BFA art majors and should be completed during the first two years of a student's course of study. These courses present knowledge fundamental in preparation for a career in visual art or design. Students are expected to have an understanding of the verbal use and visual application of vocabulary terms that are related the concepts of art, design, and art history. The foundation classes are prerequisite to all intermediate and advanced coursework.
- d. Free electives can be any course not already required by your major and upper-level (300/400) electives can be any course in or outside your major excluding General education courses and workshops.

Myers School of Art Contacts--

Ms. Janice Troutman, Interim Director of the Myers School of Art, (330) 972-6030

Ms. Katie Timperio, Manager of Student Affairs, Folk Hall 103C, (330) 972-5959, e-mail: kat1@uakron.edu.

PLACEMENT:

A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

CERAMICS C10009BFA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide found on page 4. The curriculum guide below on this page is for students admitted to this program for Fall 2015 or later.

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CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2015 OR LATER:

Important: 2.5 GPA in major courses required for graduation

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I	3	
7100:144	Foundation 2D Design	3	
7100:100	<i>Survey of Art History I (Note a)</i>	3	
	<i>English Composition I Requirement (Note c)</i>	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:145	Foundation 3D Design	3	
7100:233	Foundation Life Drawing	3	7100:131
7100:254	Intro to Ceramics	3	7100:131 and 7100:144
	<i>English Composition II Requirement (Note c)</i>	3	3300:111 or equivalent
7100:101	<i>Survey of Art History II (Note a)</i>	3	7100:100
	<i>Natural Science Requirement</i>	1	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7100:250	Foundation Review (Note b)	0	7100:131, 7100:144, 7100:145, 7100:233
7100:353	Throwing	3	7100:254
7100:222	Intro to Sculpture	3	7100:145
7100:231	Intermediate Drawing	3	7100:131
7100:102	<i>Survey of Art History III</i>	3	7100:101
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>Physical Education/Wellness Requirement</i>	1	
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:453 or 7100:454	Advanced Throwing Advanced Ceramics	3	7100:353 7100:250 and 7100:354
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, 3300:112 equivalent 32 credits, 3300:112 equivalent
	Elective (Note d)	3	

Total		16	
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3rd Year		Fall Semester	
7100:453 or 7100:454	Advanced Throwing -OR- Advanced Ceramics	3	7100:353 7100:250 and 7100:354
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
	<i>Natural Science Requirement</i>	4	
	<i>Social Science Requirement</i>	3	
Total		16	

3rd Year		Spring Semester	
7100:454	Advanced Ceramics	3	7100:250 and 7100:354
7100:456	Review	0	
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
7100:xxx	Art History Elective	3	
	<i>Social Science Requirement</i>	3	
Total		15	

4th Year		Fall Semester	
7100:454	Advanced Ceramics	3	7100:250 and 7100:354
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
7100:xxx	Art History Elective	3	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
	<i>Natural Science Requirement</i>	3	
Total		17-18	

4th Year		Spring Semester	
7100:454	Advanced Ceramics	3	7100:250 and 7100:354
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
7100:495	Senior Exhibition	0	
	<i>Humanities Requirement (not Fine Arts set)</i>	3	3400:210 or 7100:221
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
Total		13	

2.5 GPA in major courses required for graduation	Total Credits for Degree	125 min	
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Notes:

- Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.
- The course **7100:250 Foundation Review** is a faculty review of completed coursework prior to a student's in-depth study in specialization areas. It is a requirement for all Bachelor of Fine Arts degrees. The Foundation Program is a sequence of classes that investigate the fundamentals of visual art and design. These interdependent classes are structured around a common questioning of formal and conceptual issues, providing students with a base of

knowledge in visual art and theory on which students can develop their work. The courses in the Foundation Program are required for all BFA art majors and should be completed during the first two years of a student's course of study. These courses present knowledge fundamental in preparation for a career in visual art or design. Students are expected to have an understanding of the verbal use and visual application of vocabulary terms that are related the concepts of art, design, and art history. The foundation classes are prerequisite to all intermediate and advanced coursework.

- c. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to the meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to the meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- d. Free electives can be any course not already required by your major and upper-level (300/400) electives can be any course in or outside your major excluding workshops. See College of Arts & Sciences section below.

COLLEGE OF ARTS & SCIENCES:

Effective Fall 2015, degree requirements for degrees offered in the Myers School of Art through the College of Arts & Sciences include a minimum of 40 credits of 300/400 level courses (excluding workshops) consisting of either:

- Upper level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops

Please work closely with your academic adviser to identify courses that meet the College of Arts & Sciences upper level (300/400) requirement.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
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PLACEMENT:

A student is encouraged to check with his/her major department (advisor and faculty mentor) and with the Career Center, Student Union 211, regarding employment opportunities in the field.

Myers School of Art Contacts–

Ms. Janice Troutman, Interim Director of the Myers School of Art, (330) 972-6030

Ms. Katie Timperio, Manager of Student Affairs, Folk Hall 103C, (330) 972-5959, e-mail: kat1@uakron.edu.

CERAMICS C10009BFA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide below on this page. The curriculum guide above is for students admitted to this program for Fall 2015 or later.

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Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM PRIOR TO FALL 2015:

Important: 2.5 GPA in major courses required for graduation

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I	3	
7100:144	Foundation 2D Design	3	
7100:100	<i>Survey of Art History I (Note a)</i>	3	
	<i>English Composition I Requirement (Note c)</i>	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:145	Foundation 3D Design	3	
7100:233	Foundation Life Drawing	3	7100:131
7100:254	Intro to Ceramics	3	7100:131 and 7100:144
	<i>English Composition II Requirement (Note c)</i>	3	3300:111 or equivalent
7100:101	<i>Survey of Art History II (Note a)</i>	3	7100:100
	<i>Natural Science Requirement</i>	1	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7100:250	Foundation Review (Note b)	0	7100:131, 7100:144, 7100:145, 7100:233
7100:353	Throwing	3	7100:254
7100:222	Intro to Sculpture	3	7100:145
7100:231	Intermediate Drawing	3	7100:131
7100:102	<i>Survey of Art History III</i>	3	7100:101
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>Physical Education/Wellness Requirement</i>	1	
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:453 or 7100:454	Advanced Throwing Advanced Ceramics	3	7100:353 7100:250 and 7100:354
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, 3300:112 equivalent 32 credits, 3300:112 equivalent

	Elective (Note d)	4	
Total		17	

3rd Year Fall Semester			
7100:453 or 7100:454	Advanced Throwing -OR- Advanced Ceramics	3	7100:353 7100:250 and 7100:354
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
	<i>Natural Science Requirement</i>	4	
	<i>Social Science Requirement</i>	3	
Total		16	

3rd Year Spring Semester			
7100:454	Advanced Ceramics	3	7100:250 and 7100:354
7100:456	Review	0	
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
7100:xxx	Art History Elective	3	
	<i>Social Science Requirement</i>	3	
Total		15	

4th Year Fall Semester			
7100:454	Advanced Ceramics	3	7100:250 and 7100:354
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
7100:xxx	Art History Elective	3	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
	<i>Natural Science Requirement</i>	3	
Total		17-18	

4th Year Spring Semester			
7100:454	Advanced Ceramics	3	7100:250 and 7100:354
7100:xxx	Art Studio Elective	3	
7100:xxx	Art Studio Elective	3	
7100:495	Senior Exhibition	0	
	<i>Humanities Requirement (not Fine Arts set)</i>	3	3400:210 or 7100:221
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
	Elective (Note d)	2	
Total		15	

2.5 GPA in major courses required for graduation	Total Credits for Degree	128 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

Notes:

- Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.
- The course **7100:250 Foundation Review** is a faculty review of completed coursework prior to a student's in-depth study in specialization areas. It is a requirement for all Bachelor of Fine Arts degrees. The Foundation

Program is a sequence of classes that investigate the fundamentals of visual art and design. These interdependent classes are structured around a common questioning of formal and conceptual issues, providing students with a base of knowledge in visual art and theory on which students can develop their work. The courses in the Foundation Program are required for all BFA art majors and should be completed during the first two years of a student's course of study. These courses present knowledge fundamental in preparation for a career in visual art or design. Students are expected to have an understanding of the verbal use and visual application of vocabulary terms that are related the concepts of art, design, and art history. The foundation classes are prerequisite to all intermediate and advanced coursework.

- c. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to the meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to the meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- d. Free electives can be any course not already required by your major and upper-level (300/400) electives can be any course in or outside your major excluding General education courses and workshops.

Myers School of Art Contacts--

Ms. Janice Troutman, Interim Director of the Myers School of Art, (330) 972-6030

Ms. Katie Timperio, Manager of Student Affairs, Folk Hall 103C, (330) 972-5959, e-mail: kat1@uakron.edu.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

Placement:

A student is encouraged to check with his/her major department (advisor and faculty mentor) and with the Career Center, Student Union 211, regarding employment opportunities in the field.

JEWELRY AND METALSMITHING C10102BFA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide found on page 4. The curriculum guide below on this page is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Myers School of Art**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2015 OR LATER:

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I	3	
7100:144	Foundation 2D Design	3	
7100:145	Foundation 3D Design	3	
	<i>English Composition I Requirement (Note a)</i>	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:100	<i>Survey of Art History I (Note b)</i>	3	
7100:233	Foundation Life Drawing	3	7100:131
7100:132	Intro to Design	3	
7100:266	Intro to Metals	3	7100:144 and 7100:145
	<i>English Composition II Requirement (Note a)</i>	3	3300:111 or equivalent
	<i>Natural Science Requirement</i>	1	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7100:250	Foundation Review (Note c)	0	7100:131, 7100:144, 7100:145, 7100:233
7100:101	<i>Survey of Art History II (Note b)</i>	3	7100:100
7100:222	Intro to Sculpture	3	7100:145
7100:267	Intermediate Jewelry	3	
7100:289	Production I	3	7100:132
	<i>Physical Education/Wellness Requirement</i>	1	
	<i>Speech/Oral Communication Requirement</i>	3	
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:366	Metals II	3	7100:266
7100:xxx	Art Studio Elective	3	
7100:369	Production for Jewelry	3	7100:266
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, 3300:112 equivalent
7100:102	Survey of Art History III	3	7100:101
Total		16	

3 rd Year	Fall Semester	Credit Hours	Prerequisites
7100:268	Color in Metals	3	

7100:466	Advanced Metals	3	7100:250 and 7100:366
7100:385	3D Modeling	3	
	<i>Natural Science Requirement</i>	4	
	<i>Social Science Requirement</i>	3	
Total		16	

3rd Year Spring Semester			
7100:466	Advanced Metals	3	7100:250 and 7100:366
7100:489	Special Topics: Metals	3	
7100:467	Metals Junior Review	0	7100:466 (may be repeated for a total of 18 credits) is a prerequisite and corequisite
	Elective (Note d)	3	
7100:3xx /4xx	Upper Level Art History Elective	3	
	<i>Social Science Requirement</i>	3	
Total		15	

4th Year Fall Semester			
7100:466	Advanced Metals	3	7100:250 and 7100:366
7100:xxx	Art Studio Elective	3	
7100:457	Professional Practices	3	
7100:3xx /4xx	Upper Level Art History Elective	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Natural Science Requirement</i>	3	
Total		17	

4th Year Spring Semester			
7100:466	Advanced Metals	3	7100:250 and 7100:366
7100:489	Special Topics: Metals	3	
7100:xxx	Art Studio Elective	3	
7100:495	Senior Exhibition	0	
	<i>Humanities Requirement (not Fine Arts set)</i>	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
Total		14	

2.5 cumulative Art GPA (all 7100:xxx courses) is required for graduation	Minimum Total Credits for Degree	125	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- b. Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.

- c. The course **7100:250 Foundation Review** is a faculty review of completed coursework prior to a student's in-depth study in specialization areas. It is a requirement for all Bachelor of Fine Arts degrees. The Foundation Program is a sequence of classes that investigate the fundamentals of visual art and design. These interdependent classes are structured around a common questioning of formal and conceptual issues, providing students with a base of knowledge in visual art and theory on which students can develop their work. The courses in the Foundation Program are required for all BFA art majors and should be completed during the first two years of a student's course of study. These courses present knowledge fundamental in preparation for a career in visual art or design. Students are expected to have an understanding of the verbal use and visual application of vocabulary terms that are related the concepts of art, design, and art history. The foundation classes are prerequisite to all intermediate and advanced coursework.
- d. Free electives can be any course not already required by your major and upper-level (300/400) electives can be any course in or outside your major excluding workshops.

Myers School of Art Contacts–

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Ms. Katie Timperio, Manager of Student Affairs, Folk Hall 103C, (330) 972-5959, e-mail: kat1@uakron.edu.

PLACEMENT: A student is encouraged to check with his/her major department (advisor and faculty mentor) and with the Career Center - Student Union 211, (330) 972-7747 regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

METALSMITHING C10102BFA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide below on this page. The curriculum guide above is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Myers School of Art**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM PRIOR TO FALL 2015:

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I	3	
7100:144	Foundation 2D Design	3	
7100:145	Foundation 3D Design	3	
	<i>English Composition I Requirement (Note a)</i>	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:100	<i>Survey of Art History I (Note b)</i>	3	
7100:233	Foundation Life Drawing	3	7100:131
7100:132	Intro to Design	3	
7100:266	Intro to Metals	3	7100:144 and 7100:145
	<i>English Composition II Requirement (Note a)</i>	3	3300:111 or equivalent
	<i>Natural Science Requirement</i>	1	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7100:250	Foundation Review (Note c)	0	7100:131, 7100:144, 7100:145, 7100:233
7100:101	<i>Survey of Art History II (Note b)</i>	3	7100:100
7100:222	Intro to Sculpture	3	7100:145
7100:267	Intermediate Jewelry	3	
7100:289	Production I	3	7100:132
	<i>Physical Education/Wellness Requirement</i>	1	
	<i>Speech/Oral Communication Requirement</i>	3	
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:366	Metals II	3	7100:266
7100:xxx	Art Studio Elective	3	
7100:369	Production for Jewelry	3	7100:266
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, 3300:112 equivalent
7100:102	Survey of Art History III	3	7100:101
Total		16	

3 rd Year	Fall Semester	Credit Hours	Prerequisites
7100:268	Color in Metals	3	

7100:466	Advanced Metals	3	7100:250 and 7100:366
7100:385	3D Modeling	3	
	<i>Natural Science Requirement</i>	4	
	<i>Social Science Requirement</i>	3	
Total		16	

3rd Year Spring Semester			
7100:466	Advanced Metals	3	7100:250 and 7100:366
7100:489	Special Topics: Metals	3	
7100:467	Metals Junior Review	0	7100:466 (may be repeated for a total of 18 credits) is a prerequisite and corequisite
	Elective (Note d)	3	
7100:3xx /4xx	Upper Level Art History Elective	3	
	<i>Social Science Requirement</i>	3	
Total		15	

4th Year Fall Semester			
7100:466	Advanced Metals	3	7100:250 and 7100:366
7100:xxx	Art Studio Elective	3	
7100:457	Professional Practices	3	
7100:3xx /4xx	Upper Level Art History Elective	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Natural Science Requirement</i>	3	
Total		17	

4th Year Spring Semester			
7100:466	Advanced Metals	3	7100:250 and 7100:366
7100:489	Special Topics: Metals	3	
7100:xxx	Art Studio Elective	3	
7100:495	Senior Exhibition	0	
	Elective (Note d)	3	
	<i>Humanities Requirement (not Fine Arts set)</i>	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
Total		17	

2.5 cumulative Art GPA (all 7100:xxx courses) is required for graduation	Minimum Total Credits for Degree	128	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.

- c. The course **7100:250 Foundation Review** is a faculty review of completed coursework prior to a student's in-depth study in specialization areas. It is a requirement for all Bachelor of Fine Arts degrees. The Foundation Program is a sequence of classes that investigate the fundamentals of visual art and design. These interdependent classes are structured around a common questioning of formal and conceptual issues, providing students with a base of knowledge in visual art and theory on which students can develop their work. The courses in the Foundation Program are required for all BFA art majors and should be completed during the first two years of a student's course of study. These courses present knowledge fundamental in preparation for a career in visual art or design. Students are expected to have an understanding of the verbal use and visual application of vocabulary terms that are related the concepts of art, design, and art history. The foundation classes are prerequisite to all intermediate and advanced coursework.
- d. Free electives can be any course not already required by your major and upper-level (300/400) electives can be any course in or outside your major excluding General education courses and workshops.

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- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

PHOTOGRAPHY C10103BFA

The following information has official approval of the **Myers School of Art**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

BOLDED courses are prerequisites or have prerequisites and must be taken during the semester indicated in this guide to avoid schedule conflicts, removal from advanced and senior studio courses and delay of graduation.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

*Course offered only in semester indicated.

Important: 2.5 GPA in major courses required for graduation

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I	3	Corequisite 7100:103
7100:144	Foundation 2D Design	3	
7100:145	Foundation 3D Design	3	
	<i>English Composition I Requirement (Note d)</i>	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:xxx	Art Studio Elective	3	varies
7100:233	Foundation Life Drawing	3	7100:131
7100:275	Introduction to Photography	3	7100:131, 7100:144
	<i>English Composition II Requirement (Note d)</i>	3	3300:111 or equivalent
7100:100	Survey of Art History I	3	
	<i>Physical Education</i>	1	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7100:250	Foundation Review (Note b)	0	7100:131, 7100:144, 7100:145, 7100:233
7100:101	Survey of Art History II (note a.)	3	7100:100
7100:375	Photography II	3	7100:275
7100:280	Digital Imaging	3	7100:276 or 7100:289
7100:213	Intro to Printmaking	3	7100:131 or 7100:144
	<i>Oral Communication/Speech Requirement</i>	3	
	<i>Area Studies/Cultural Diversity</i>	2	
Total		17	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:377	*Medium/Large Format Photo (Spring only)	3	7100:374 or 375
7100:276	Intro to Commercial Photography	3	7100:275
7100:xxx	Art Studio Elective	3	varies
7100:102	Survey of Art History III	3	
	<i>Natural Science Requirement with lab</i>	4	
Total		16	

3 rd Year		Fall Semester	
7100:473	*Photo III: Color (Fall only)	3	7100:375
7100:378	*Alternative Processes (Fall only)	3	7100:374 or 375
7100:370	*History of Photography (cyclical offering)	3	7100:102
3400:210 or 3400:221	Humanities in the Western Tradition -OR- Humanities in the World Since 1300	4	32 credits, English requirement completed
	<i>Social Science Requirement</i>	3	
Total		16	

3 rd Year		Spring Semester	
7100:475	Advanced Photography	3	7100:250 and 7100:375
7100:493	*Advanced Digital Printing (Spring only)	3	7100:280, 7100:475
7100:xxx	Art Studio Elective	3	varies
7100:xxx	Art History Elective	3	7100:100, and/or 7100:101 and/or 7100:102
7100:476	Junior Photo Review	0	7100:475 (must be taken with the second repeat of 7100:475)
	<i>Social Science Requirement</i>	3	
	<i>Area Studies/ Cultural Diversity Requirement</i>	2	
Total	Note c.	16	

4 th Year		Fall Semester	
7100:475	Advanced Photography	3	7100:250 and 7100:375
7100:xxx	Art Studio Elective	3	varies
7100:xxx	Art Studio Elective	3	varies
7100:xxx	Contemporary Art History Elective	3	7100:100, 7100:101, 7100:102
	<i>Natural Science Requirement</i>	4	
Total		16	

4 th Year		Spring Semester	
7100:475	Advanced Photography	3	7100:250 and 7100:375
7100:479	*Professional Photographic Practices (Spring only)	3	7100:475 and senior status
7100:xxx	Art Studio Elective	3	varies
7100:495	Senior Exhibition	0	Senior standing and permission
	<i>Humanities Elective Requirement (not Fine Arts set)</i>	3	
	Elective (any class)	4	
Total		16	

2.5 GPA in major courses required for graduation	Total Credits for Degree	128 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

Notes:

- Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.
- The course **7100:250 Foundation Review** is a faculty review of completed coursework prior to a student's in-depth study in specialization areas. It is a requirement for all Bachelor of Fine Arts degrees. The Foundation Program is a sequence of classes that investigate the fundamentals of visual art and design. These interdependent classes are

structured around a common questioning of formal and conceptual issues, providing students with a base of knowledge in visual art and theory on which students can develop their work. The courses in the Foundation Program are required for all BFA art majors and should be completed during the first two years of a student's course of study. These courses present knowledge fundamental in preparation for a career in visual art or design. Students are expected to have an understanding of the verbal use and visual application of vocabulary terms that are related the concepts of art, design, and art history. The foundation classes are prerequisite to all intermediate and advanced coursework.

- c. 2.5 cumulative Art GPA (all 7100:xxx courses) is required for graduation.
- d. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to the meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to the meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.

COLLEGE OF ARTS & SCIENCES:

For students admitted into this degree program Fall 2015 or later, degree requirements for degrees offered in the Myers School of Art through the College of Arts & Sciences include a minimum of 40 credits of 300/400 level courses (excluding workshops) consisting of either:

- Upper level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops

Please work closely with your academic adviser to identify courses that meet the College of Arts & Sciences upper level (300/400) requirement.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

PLACEMENT:

A student is encouraged to check with his/her major department (advisor and faculty mentor) and with the Career Center, Student union 301, regarding employment opportunities in the field.

Myers School of Art Contacts–

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GRAPHIC DESIGN C10104BFA

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Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at [http://www.uakron.edu/advising/docs/General Education Guide.pdf](http://www.uakron.edu/advising/docs/General_Education_Guide.pdf)

***Course offered only in semester indicated.**

Important: 2.5 GPA in major courses required for graduation

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I	3	
7100:144	Foundation 2D Design	3	
7100:132	Introduction to Design	3	
	<i>English Composition I Requirement (Note c)</i>	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	Appropriate placement by advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:145	Foundation 3D Design	3	
7100:233	Foundation Life Drawing	3	7100:131
7100:100	<i>Survey of Art History I (Note a)</i>	3	
	<i>English Composition II Requirement (Note c)</i>	3	3300:111 or equivalent
7100:289	Production 1	3	7100:132
	<i>Physical Education/Wellness Requirement</i>	1	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7100:250	Foundation Review (Note b)	0	7100:131, 7100:144, 7100:145, 7100:233
7100:101	<i>Survey of Art History II (Note a)</i>	3	7100:100
7100:184	Typography I	3	7100:132
7100:283	Drawing Techniques	3	7100:131 and 7100:132
7100:280	Digital Imaging	3	7100:185 or 7100:289
	<i>Speech/Oral Communication Requirement</i>	3	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:288	Typography II	3	7100:184
7100:275	Introduction to Photography	3	7100:131 or 7100:144
7100:281	Web/Mobile Devices 1	3	7100:280
7100:307	History of Graphic Design	3	Prerequisite 7100:101
	<i>Social Science Requirement</i>	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
Total		17	

3 rd Year	Fall Semester	Credit Hours	Prerequisites
7100:387	Typography 3	3	Prerequisite 7100:288, Corequisite 7100:384
7100:382	Junior Review	1	Prerequisite 7100:250 and 7100:288, Corequisite 7100:384 and 7100:387

7100:384	Professional Design Practices	2	Prerequisite 7100:288, Corequisite 7100:387
7100:282	Web/Mobile Devices 2	3	Prerequisite 7100:281
7100:276	Intro to Professional Photography	3	7100:275
	<i>Natural Science / Lab Requirement</i>	4	
Total		16	

3rd Year Spring Semester			
7100:488	Typography 4	3	7100:387
7100:388	Production 2	3	7100:276 and 7100:387
7100:484	Illustration	3	7100:283 or permission
	<i>Humanities Requirement (not Fine Arts set)</i>	3	
	<i>Social Science Requirement</i>	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
Total		17	

4th Year Fall Semester			
7100:482	Corporate Identity	3	7100:384 and 7100:388
7100:480	Advanced Graphic Design	3	7100:388 or permission
or	-OR-		
7100:485	Advanced Illustration		7100:484 or permission
7100:310	4D Motion	3	7100:280, 289, and 387 or permission
	<i>Natural Science Requirement</i>	4	
7100:xxx	Art studio elective	3	Varies
Total		16	

4th Year Spring Semester			
7100:483	Graphic Presentations	3	7100:482
7100:487	Packaging Design	3	7100:482
7100:311	4D Design Interactivity	3	7100:280, 289, and 387 or permission
7100:495	Senior Exhibition	0	Senior standing or permission
3400:210	<i>Humanities in the Western Tradition</i>	4	32 credits, English requirement completed
or	-OR-		
3400:221	<i>Humanities in the World Since 1300</i>		32 credits, English requirement completed
	Elective (Note d)	3	
Total		16	

2.5 GPA in major courses required for graduation	Total Credits for Degree	128 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

Notes:

- a. Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.
- b. The course **7100:250 Foundation Review** is a faculty review of completed coursework prior to a student's in-depth study in specialization areas. It is a requirement for all Bachelor of Fine Arts degrees. The Foundation Program is a sequence of classes that investigate the fundamentals of visual art and design. These interdependent classes are structured around a common questioning of formal and conceptual issues, providing students with a base of knowledge in visual art and theory on which students can develop their work. The courses in the Foundation Program are required for all BFA art majors and should be completed during the first two years of a student's course of study. These courses present knowledge fundamental in preparation for a career in visual art or design. Students are expected to have an understanding of the verbal use and visual application of vocabulary terms that are related the

concepts of art, design, and art history. The foundation classes are prerequisite to all intermediate and advanced coursework.

- c. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- d. Free electives can be any course not already required by your major and upper-level (300/400) electives can be any course in or outside your major excluding General education courses and workshops.

Students admitted into this degree program Fall 2015 or later, upper-level (300/400) electives can be any course in or outside your major excluding workshops. See College of Arts & Sciences section below.

COLLEGE OF ARTS & SCIENCES:

For students admitted into this degree program Fall 2015 or later, degree requirements for degrees offered in the Myers School of Art through the College of Arts & Sciences include a minimum of 40 credits of 300/400 level courses (excluding workshops) consisting of either:

- Upper level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops

Please work closely with your academic adviser to identify courses that meet the College of Arts & Sciences upper level (300/400) requirement.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

PLACEMENT:

A student is encouraged to check with his/her major department (advisor and faculty mentor) and with the Career Center, Student Union 211, regarding employment opportunities in the field.

Myers School of Art Contacts–

Ms. Janice Troutman, Interim Director of the Myers School of Art, (330) 972-6030

Ms. Katie Timperio, Manager of Student Affairs, Folk Hall 103C, (330) 972-5959, e-mail: kat1@uakron.edu.

ART EDUCATION C10200BA

The following information has official approval of the **Myers School of Art**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

BOLDED courses are prerequisites or have prerequisites and must be taken during the semester indicated in this guide to avoid schedule conflicts, removal from advanced and senior studio courses and delay of graduation.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

*Preadmission course to the College of Education

1 st Year	Fall Semester	Credit Hours	Prerequisites
7100:103	Arts Orientation	0	
7100:131	Foundation Drawing I	3	
7100:144	Foundation 2D Design	3	
7100:100	<i>Survey of Art History I (Note a)</i>	3	
	<i>*English Composition I Requirement (Note b)</i>	3	Appropriate placement by advisor
	<i>*Math Requirement</i>	3	Appropriate placement by advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7100:xxx	Studio Elective (Teaching Area Course)	3	
7100:145	Foundation 3D Design	3	
	<i>*Social Science Requirement</i>	3	
	<i>*English Composition II Requirement (Note b)</i>	3	3300:111 or equivalent
	<i>*Natural Science Requirement with lab</i>	4	
	<i>Physical Education</i>	1	
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7100:xxx	Studio Elective (Teaching Area Course)	3	
7100:xxx	Studio Elective (Teaching Area Course)	3	
7600:105/106	<i>*Oral Communication</i>	3	
	<i>*Natural Science Requirement</i>	4	
7100:101	<i>Survey of Art History II (Note a)</i>	3	7100:100
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, English requirement completed
Total		20	32 credits, English requirement completed

Important: Students should be working on the application to the College of Education during the fall semester to be able to transfer and be eligible for 5XXX/ Phase courses in spring. Application is available in Zook 207. The College of Education requires a 3.0 cumulative overall GPA in order to be admitted into the teacher licensure program.

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7100:xxx	Studio Elective (Teaching Area Course)	3	
7100:105	Intro to Art Education	2	
5100:200	Intro to Education	3	Admission to College of Ed
5100:220	Educational Psychology	3	Admission to College of Ed
5100:230	Education Technology	3	Admission to College of Ed
5610:225	Intro to Exceptionalities	3	Admission to College of Ed

5300:100	Orientation to AYA/P-12	0	Admission to College of Ed
	<i>Social Science</i>	3	
Total		20	

3rd Year Fall Semester			
7100:xxx	Studio Elective (Teaching Area Course)	3	
7100:xxx	Studio Elective (Teaching Area Course)	3	
7100:494	ST: Art in Education	3	
7100:102	Survey of Art History III	3	7100:101
7100:410	Methods of Teaching Elementary Art (fall only)	3	
7100:428	Elementary Field Objects	1	
5500:455	Literacy for Multiage Licensure	3	Admission to College of Ed
Total		19	

3rd Year Spring Semester			
7100:xxx	Studio Elective (Teaching Area Course)	3	
7100:xxx	Upper-level Art History	3	
5500:360	Educational Planning	3	Admission to College of Ed
5100:300	Educational Equity and Excellence	3	Admission to College of Ed
7100:430	Professional Practices in Art Education	1	
7100:411	Methods for Teaching Secondary Art (spring only)	3	Admission to College of Ed
7100:429	Secondary Field Objects	1	
Total		17	

4th Year Fall Semester			
7100:xxx	Studio Elective (Teaching Area Course)	3	
7100:xxx	Studio Elective (Teaching Area Course)		
7100:494	ST: Art Education	3	
5500:370	Education Implementation	3	Admission to College of Ed
	<i>Area Studies/Cultural Diversity</i>	2	
	<i>Area Studies/Cultural Diversity</i>	2	
	<i>Humanities Requirement (not Fine Arts set)</i>	3	
Total		18	

4th Year Spring Semester			
5300:495	Student Teaching	11	Admission to College of Ed, Coreq 5300:495
7100:412	Student Teaching Colloquium	1	
Total		12	

2.5 cumulative Art GPA (all 7100:xxx courses) is required for graduation	Total Credits for Degree	Min 138	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

Notes:

- Survey of History of Art I and Survey of History of Art II, 7100:100 and 101, will fulfill a Humanities elective in the Fine Arts set for general education requirements.
- For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the

English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.

COLLEGE OF ARTS & SCIENCES:

For students admitted into this degree program Fall 2015 or later, degree requirements for degrees offered in the Myers School of Art through the College of Arts & Sciences include a minimum of 40 credits of 300/400 level courses (excluding workshops) consisting of either:

- Upper level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops

Please work closely with your academic adviser to identify courses that meet the College of Arts & Sciences upper level (300/400) requirement.

PLACEMENT:

A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

Myers School of Art Contacts–

Ms. Janice Troutman, Interim Director of the Myers School of Art, (330) 972-6030

Ms. Katie Timperio, Manager of Student Affairs, Folk Hall 103C, (330) 972-5959, e-mail: kat1@uakron.edu.

Interdisciplinary Anthropology 323000BAT

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide found on page 6. The curriculum guide below on this page is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Department of Anthropology & Classical Studies**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2015 OR LATER:

1 st Year	Fall Semester	Credit Hours	Prerequisites
	<i>English Composition I Requirement</i> (Note a)	3	Appropriate placement by advisor
	Beginning Language I (Note b)	4	
	-OR-	or	
7700:101	American Sign Language I	3	
3230:150	<i>Human Cultures (Social Science Requirement)</i> (Note c)	3	
3230:151	<i>Human Evolution (Natural Science Requirement)</i> (Note c)	4	
	<i>Physical Education Requirement</i>	1	
Total		14-15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
	<i>English Composition II Requirement</i> (Note a)	3	3300:111 or equivalent
	Beginning Language II	4	Beginning Language I
	-OR-	or	or
7700:102	American Sign Language II	3	7700:101
3240:100	<i>Introduction to Archaeology (Social Science Requirement)</i> (Note c)	3	
3200:289	<i>Mythology of Ancient Greece (Humanities Recommended)</i> (Note c)	3	
	<i>Mathematics Requirement</i>	3	Appropriate placement by advisor
Total		15-16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3230:3/4xx	Anthropology Elective Course	3	
	-OR-		
3240:3/4xx	Archaeology Elective Course		
3230:251	<i>Human Diversity (Area Studies / Cultural Diversity Requirement)</i> (Note c)	3	
	Intermediate Language I	3	Beginning Language II
	-OR-		or
7700:201	American Sign Language III		7700:102
	<i>Natural Science Requirement</i>	4	
	<i>Speech/Oral Communication Requirement</i>	3	
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3230:3/4xx	Anthropology Elective Course	3	

or 3240:3/4xx	-OR- Archaeology Elective Course		
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	3	
7700:202	Intermediate Language II -OR- American Sign Language IV	3	Intermediate Language I or 7700:201
3300:361	<i>Literature of Greece (Humanities Requirement)</i> (Note c)	3	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World since 1300</i>	4	32 credits & 3300:112 or equivalent 32 credits & 3300:112 or equivalent
Total		16	

3rd Year		Fall Semester	
3230:398	Introduction to Anthropological Data	3	3230:150, 3250:151, and 3240:100
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	3	
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	3	
	<i>Humanities Requirement (Outside of the Philosophy/Classics set)</i>	3	
	Free Elective (Note d)	3	
Total		15	

3rd Year		Spring Semester	
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	3	
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	3	
	<i>Area Studies / Cultural Diversity Requirement</i>	2	
	Free Elective (Note d)	3	
	Free Elective (Note d)	3	
Total		14	

4th Year		Fall Semester	
3230:359 or 3240:400	Anthropological Theory -OR- Archaeological Theory	3	3230:150 and 3230:151 or permission 3240:100
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	3	
	Free Elective (Note d)	9	
Total		15	

4th Year		Spring Semester	
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	4	
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	3	
	Free Elective (Note d)	3	
	Free Elective (Note d)	3	

Total		13	
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	Minimum Total Credits for Degree	120	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English Requirement. 2020:121 (English) fulfills the English Composition I requirement. English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- b. Demonstration of ability to use another language by completion of the second year of a foreign language or the five-course sign language sequence is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- c. These courses are strongly suggested and will fulfill both general education requirements and major requirements. You can, however, choose to take other courses to fulfill the general education requirements from the general education guide.
- d. Free electives can be any course not already required by your major. Because of the number of free electives available for this major, it is encouraged to focus on a specific area of interest. Please consult with the University of Akron website, the Undergraduate Bulletin, and your Academic Advisor about possible minor options.

An interested student should contact the Interdisciplinary Anthropology advisor, Dr. Timothy Matney, Olin 241, (330) 972-6892. E-mail: matney@uakron.edu.

ANTHROPOLOGY: The course of study is multi-disciplined and prepares majors for diverse types of employment and/or graduate school. This degree facilitates a student who wants a double major, and provides exceptional background and tools for use in the modern global world. Interdisciplinary Anthropology requires that a student select courses from three areas at the Concentration level.

PLACEMENT:

A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

COOPERATIVE EDUCATION: Co-op is available on an optional basis in this academic program.

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 40 credits (excluding workshops) consisting of either:

- Upper-level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops

CORE COURSES (17 CREDITS):

- 3230:150 Human Cultures (3 credit hours)
- 3230:151 Human Evolution (4 credit hours)
- 3240:100 Introduction to Archaeology (3 credit hours)
- 3230:359 Anthropological Theory* (3 credit hours) Prerequisite: 3230:150, 3230:151 or permission

-OR-

3240:400 Archaeological Theory* (3 credit hours) Prerequisite: 3240:100

3230:398 Introduction to Anthropological Data (3 credit hours) Prerequisites: 3230:150; 3230:151 & 3240:100

*Either 3240:400 or 3230:359 may fulfill the *Core Requirement*. If students take both courses, one will satisfy *Core Requirements* and the other may be applied to *Concentration Electives* in Archaeology or Cultural Anthropology, respectively.

CONCENTRATION ELECTIVES (21 CREDITS): Select a minimum of one course each, from three of the following four fields, for a total of 21 credit hours.

Archaeological:

	Credit Hours	Prerequisites
3240:100-120 Case Studies in Arch.	1	
3240:300 Historical Archaeology	3	
3240:313 Archaeology of Greece	3	
3240:314 Archaeology of Rome	3	
3240:345 Egyptology	3	
3240:360 Ancient Near Eastern Archaeology	3	
3240:400 Archaeological Theory	3	3240:100
3240:410 Archaeogeophysical Survey	3	3240:100 or 3370:101 or 3350:310
3240:420 Archaeology of Ohio	3	3240:100
3240:440 Archaeological Lab Methods	3	3240:100
3240:450 Archaeological Field School	1-6	3240:100 or permission
3240:460 Seminar on the Ancient Near East	3	3240:360 or 3400:307 or permission
3240:472 Special Topics/Archaeology	1-6	3240:100 or permission
3240:499 Senior Honors Project/Archaeology	1-6	Permission
3370:405 Archaeological Geology	3	3370:101 or permission
2980:122 Elementary Surveying	3	

Biological:

3230:304 Primates: Behavior, Morphology & Evolution	3	3230:151
3230:310 Human Paleontology: The Australopithecines	3	3230:151
3230:311 Human Paleontology: Genus Homo	3	3230:151
3230:340 Paleodemography & Human Osteology	3	3230:150, 3230:151, 3240:100 or permission
3230:400 Seminar: Human Origins	3	3230:151 and 6 credits of 300/400 biological anthropology courses
3230:401 History of Physical Anthropology	3	3230:151 and 310 or 311 or permission
3230:410 Evolution and Human Behavior	3	3100:111
3230:474 ST: Biological Anthropology	3	3230:151
3100:217 General Ecology	3	3100:111, 3100:112
3100:316 Evolutionary Biology	3	3100:111, 3100:112, 3150:201

Cultural:

3230:251 Human Diversity	3	
3230:357 Magic, Myth & Religion	3	3230:150 or 3850:100
3230:358 Indians of North America	3	3230:150 or permission
3230:370 Globalization and Culture	3	3230:150 or 3850:100
3230:397 Anthropological Research	1-3	Permission
3230:416 Anthropology of Sex & Gender	3	3230:150 or 3850:100
3230:420 Anthropology of Food	3	3230:150 or permission
3230:457 Medical Anthropology	3	3230:150 or permission
3230:460 Field Methods in Cultural Anthropology	4	3230:150 or permission
3230:472 Special Topics: Anthropology	3	3230:150 and permission
3230:497 Senior Honors Project	3	Permission
3300:371 Introduction to Linguistics	3	3300:111, 3300:112
3850:421 Race & Ethnic Relations	3	3850:100

Classical Studies:

3200:361 Literature of Greece	3	3400:210 or 3400:221
3200:362 Literature of Rome	3	Permission
3200:363 Women in Ancient Greece & Rome	3	

Electives for Non-majors: These courses are recommended for non-majors. Interested students should contact the department for further information.

3240:101 Case Studies (different topics offered)	1	
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3240:105 The Inca	1
3240:106 The Maya	1
3240:107 Archaeology of Pets	1
3240:108 World of Homer	1
3240:109 The Assyrians	1
3240:110 The Summerians	1
3240:111 Archaeology of Slavery	1
3240:112 The Aztecs	1
3240:113 Religion before the Bible	1
3240:150 Time before History	1

Interdisciplinary Anthropology 323000BAT

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide below on this page. The curriculum guide above is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Department of Anthropology & Classical Studies**, but is intended only as a supplemental guide. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM PRIOR TO FALL 2015:

1 st Year	Fall Semester	Credit Hours	Prerequisites
	<i>English Composition I Requirement</i> (Note a)	3	Appropriate placement by advisor
	Beginning Language I (Note b)	4	
	-OR-	or	
7700:101	American Sign Language I	3	
3230:150	<i>Human Cultures (Social Science Requirement)</i> (Note c)	3	
3230:151	<i>Human Evolution (Natural Science Requirement)</i> (Note c)	4	
	<i>Physical Education Requirement</i>	1	
Total		14-15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
	<i>English Composition II Requirement</i> (Note a)	3	3300:111 or equivalent
	Beginning Language II	4	Beginning Language I
	-OR-	or	or
7700:102	American Sign Language II	3	7700:101
3240:100	<i>Introduction to Archaeology (Social Science Requirement)</i> (Note c)	3	
3200:289	<i>Mythology of Ancient Greece (Humanities Recommended)</i> (Note c)	3	
	<i>Mathematics Requirement</i>	3	Appropriate placement by advisor
Total		15-16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3230:3/4xx	Anthropology Elective Course	3	
	-OR-		
3240:3/4xx	Archaeology Elective Course		
3230:251	<i>Human Diversity (Area Studies / Cultural Diversity Requirement)</i> (Note c)	3	
	Intermediate Language I	3	Beginning Language II
	-OR-		or
7700:201	American Sign Language III		7700:102
	<i>Natural Science Requirement</i>	4	
	<i>Speech/Oral Communication Requirement</i>	3	
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
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3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	3	
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	3	
7700:202	Intermediate Language II -OR- American Sign Language IV	3	Intermediate Language I or 7700:201
3300:361	<i>Literature of Greece (Humanities Requirement)</i> (Note c)	3	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World since 1300</i>	4	32 credits & 3300:112 or equivalent 32 credits & 3300:112 or equivalent
Total		16	

3rd Year		Fall Semester	
3230:398	Introduction to Anthropological Data	3	3230:150, 3250:151, and 3240:100
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	3	
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	3	
	<i>Humanities Requirement (Outside of the Philosophy/Classics set)</i>	3	
	Free Elective (Note d)	4	
Total		16	

3rd Year		Spring Semester	
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	3	
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	3	
	<i>Area Studies / Cultural Diversity Requirement</i>	2	
	Free Elective (Note d)	3	
	Free Elective (Note d)	3	
	Free Elective (Note d)	3	
Total		17	

4th Year		Fall Semester	
3230:359 or 3240:400	Anthropological Theory -OR- Archaeological Theory	3	3230:150 and 3230:151 or permission 3240:100
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	3	
	Free Elective (Note d)	3	
xxxx:3/4xx	Upper Level Electives	3	
xxxx:3/4xx	Upper Level Electives	4	
Total		16	

4th Year		Spring Semester	
3230:3/4xx or 3240:3/4xx	Anthropology Elective Course -OR- Archaeology Elective Course	4	
3230:3/4xx or	Anthropology Elective Course -OR-	3	

3240:3/4xx	Archaeology Elective Course		
	Free Elective (Note d)	3	
	Free Elective (Note d)	3	
	Free Elective (Note d)	3	
Total		16	

	Minimum Total Credits for Degree	128	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English Requirement. 2020:121 (English) fulfills the English Composition I requirement. English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- b. Demonstration of ability to use another language by completion of the second year of a foreign language or the five-course sign language sequence is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- c. These courses are strongly suggested and will fulfill both general education requirements and major requirements. You can, however, choose to take other courses to fulfill the general education requirements from the general education guide.
- d. Free electives can be any course not already required by your major. Because of the number of free electives available for this major, it is encouraged to focus on a specific area of interest. Please consult with the University of Akron website, the Undergraduate Bulletin, and your Academic Advisor about possible minor options.

An interested student should contact the Interdisciplinary Anthropology advisor, Dr. Timothy Matney, Olin 241, (330) 972-6892. E-mail: matney@uakron.edu.

ANTHROPOLOGY: The course of study is multi-disciplined and prepares majors for diverse types of employment and/or graduate school. This degree facilitates a student who wants a double major, and provides exceptional background and tools for use in the modern global world. Interdisciplinary Anthropology requires that a student select courses from three areas at the Concentration level.

PLACEMENT:

A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

COOPERATIVE EDUCATION: Co-op is available on an optional basis in this academic program.

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 47 credits (excluding workshops and General Education courses) consisting of either:

- Upper-level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops and General Education courses

CORE COURSES (17 CREDITS):

3230:150 Human Cultures (3 credit hours)
 3230:151 Human Evolution (4 credit hours)
 3240:100 Introduction to Archaeology (3 credit hours)
 3230:359 Anthropological Theory* (3 credit hours) Prerequisite: 3230:150, 3230:151 or permission

-OR-

3240:400 Archaeological Theory* (3 credit hours) Prerequisite: 3240:100
 3230:398 Introduction to Anthropological Data (3 credit hours) Prerequisites: 3230:150; 3230:151 & 3240:100

*Either 3240:400 or 3230:359 may fulfill the *Core Requirement*. If students take both courses, one will satisfy *Core Requirements* and the other may be applied to *Concentration Electives* in Archaeology or Cultural Anthropology, respectively.

CONCENTRATION ELECTIVES (21 CREDITS): Select a minimum of one course each, from three of the following four fields, for a total of 21 credit hours..

Archaeological:

	Credit Hours	Prerequisites
3240:100-120 Case Studies in Arch.	1	
3240:300 Historical Archaeology	3	
3240:313 Archaeology of Greece	3	
3240:314 Archaeology of Rome	3	
3240:345 Egyptology	3	
3240:360 Ancient Near Eastern Archaeology	3	
3240:400 Archaeological Theory	3	3240:100
3240:410 Archaeogeophysical Survey	3	3240:100 or 3370:101 or 3350:310
3240:420 Archaeology of Ohio	3	3240:100
3240:440 Archaeological Lab Methods	3	3240:100
3240:450 Archaeological Field School	1-6	3240:100 or permission
3240:460 Seminar on the Ancient Near East	3	3240:360 or 3400:307 or permission
3240:472 Special Topics/Archaeology	1-6	3240:100 or permission
3240:499 Senior Honors Project/Archaeology	1-6	Permission
3370:405 Archaeological Geology	3	3370:101 or permission
2980:122 Elementary Surveying	3	

Biological:

3230:304 Primates: Behavior, Morphology & Evolution	3	3230:151
3230:310 Human Paleontology: The Australopithecines	3	3230:151
3230:311 Human Paleontology: Genus Homo	3	3230:151
3230:340 Paleodemography & Human Osteology	3	3230:150, 3230:151, 3240:100 or permission
3230:400 Seminar: Human Origins	3	3230:151 and 6 credits of 300/400 biological anthropology courses
3230:401 History of Physical Anthropology	3	3230:151 and 310 or 311 or permission
3230:410 Evolution and Human Behavior	3	3100:111
3230:474 ST: Biological Anthropology	3	3230:151
3100:217 General Ecology	3	3100:111, 3100:112
3100:316 Evolutionary Biology	3	3100:111, 3100:112, 3150:201

Cultural:

3230:251 Human Diversity	3	
3230:357 Magic, Myth & Religion	3	3230:150 or 3850:100
3230:358 Indians of North America	3	3230:150 or permission
3230:370 Globalization and Culture	3	3230:150 or 3850:100
3230:397 Anthropological Research	1-3	Permission
3230:416 Anthropology of Sex & Gender	3	3230:150 or 3850:100
3230:420 Anthropology of Food	3	3230:150 or permission
3230:457 Medical Anthropology	3	3230:150 or permission
3230:460 Field Methods in Cultural Anthropology	4	3230:150 or permission
3230:472 Special Topics: Anthropology	3	3230:150 and permission
3230:497 Senior Honors Project	3	Permission
3300:371 Introduction to Linguistics	3	3300:111, 3300:112
3850:421 Race & Ethnic Relations	3	3850:100

Classical Studies:

3200:361 Literature of Greece	3	3400:210 or 3400:221
3200:362 Literature of Rome	3	Permission

Electives for Non-majors: These courses are recommended for non-majors. Interested students should contact the department for further information.

3240:101 Case Studies (different topics offered)	1
3240:105 The Inca	1
3240:106 The Maya	1
3240:107 Archaeology of Pets	1
3240:108 World of Homer	1
3240:109 The Assyrians	1
3240:110 The Summerians	1
3240:111 Archaeology of Slavery	1
3240:112 The Aztecs	1
3240:113 Religion before the Bible	1
3240:150 Time before History	1

Dietetics H40004BST Didactic Program

The following information has official approval of the **School of Nutrition and Dietetics** but is intended only as a supplemental guide.

All students begin in the Didactic program as a major in Dietetics.

- All courses marked with an (*) must be completed prior to the entry to the Didactic Program in Dietetics (DPD).
- **Bolded Courses** require a grade of "C" or better for the Verification Statement. Refer to the last page for an explanation of the differences between the Didactic and Coordinated Programs.

***Preadmission courses: A grade of "C" or higher is required.** A minimum combined 3.0 GPA is required.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education/>

1 st Year	Fall Semester	Credit Hours	Prerequisites
*3300:111	<i>English Composition I</i>	3	Appropriate placement by advisor
*3470:260 or *3470:250	<i>Basic Statistics</i> -OR- <i>Statistics for Everyday Life</i>	3 4	3450:100 or appropriate placement Appropriate placement by advisor
*3150:110	Intro to General, Organic & Biochemistry I Lecture	3	
*3150:111	Intro to General, Organic & Biochemistry I Lab	1	corequisite: 3150:110
*3850:100	<i>Introduction to Sociology (also meets Domestic Diversity requirement)</i>	3	
*7760:120	Career Decisions in Nutrition	1	
Total		14-15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
*3300:112	<i>English Composition II</i>	3	3300:111 or equivalent
*3150:112	Intro to General, Organic & Biochemistry II Lecture	3	3150:110/111
*3150:113	Intro to General, Organic & Biochemistry II Lab	1	corequisite: 3150:112
*7600:105 or *7600:106	<i>Introduction to Public Speaking</i> -OR- <i>Effective Oral Communication</i>	3	
*7760:133	Nutrition Fundamentals	3	
*3100:130	Principles of Microbiology (Lecture/Lab)	3	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3100:200	Human Anatomy & Physiology I	3	
3100:201	Human Anatomy & Physiology I Lab	1	corequisite: 3100:200
7760:250	Food Science Lecture Available in fall or spring semester	3	7760:133, 7760:320, 3150:110, 3150:111, 3150:112, 3150:113; corequisite: 7760:251
7760:251	Food Science Lab Available fall or spring semester	1	7760:133, 7760:320, 3150:110, 3150:111, 3150:112, 3150:113; corequisite: 7760:250
7760:228	Introduction to Medical Nutrition Therapy	3	7760:133, 3150:110, 3150:111, 3150:112, 3150:113
3750:100	Introduction to Psychology	3	
Total		14	

ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

2nd Year		Spring Semester	
3100:202	Human Anatomy & Physiology II	3	3100:200
3100:203	Human Anatomy & Physiology II Lab	1	corequisite: 3100:202
6200:201	Accounting Principles I (Note b)	3	24 credits completed
	<i>Arts requirement</i>	3	See General Education guide
	<i>Critical Thinking requirement</i>	3	See General Education guide
Total		13	

3 rd Year		Fall Semester	
7760:400	Nutrition Communication and Education Skills	4	7760:228, 7760:133 or 7760:316
7760:426	Human Nutrition (Fall only)	3	7760:133, 7760:228, 3100:202, 3100:203, 3150:112, 3150:113; corequisite: 7760:443
7760:443	Nutrition Assessment (Fall only)	3	7760:133, 7760:228, 3100:202, 3100:203, 3150:112, 3150:113; corequisite: 7760:426
6500:480	Introduction to Management of Healthcare Systems	3	Upper college standing
	<i>Humanities requirement</i>	3	See General Education guide
Total		16	

3 rd Year		Spring Semester	
7760:310	Food Systems Management I (Spring only) (Note c)	4	7760:250, 6200:201 or 2420:211 and 2420:212; 7760:314 corequisite
7760:314	Food Systems Management I Field Experience (Spring only)	2	7760:310 corequisite
7760:328	Medical Nutrition Therapy I (Spring only)	3	7760:133 or 7760:316, 7760:228, 7760:426, 7760:443
6500:301	Management Concepts and Principles	3	48 credit hours
	<i>Global Diversity requirement</i>	3	See General Education guide
Total		15	

3 rd Year		Summer Semester	
7760:489	Professional Preparation for Dietetics	1	

4 th Year		Fall Semester	
7760:413	Food Systems Management II (Fall only)	3	7760:310
7760:428	Medical Nutrition Therapy II (Fall only)	3	7760:328
7760:480	Community Nutrition I (Fall only) (Note c)	3	7760:316 or 7760:426 prerequisite
	<i>Complex Systems Affecting Individuals in Society requirement</i>	3	See General Education guide
	Elective (Note a)	3	
Total		15	

4 th Year		Spring Semester	
7760:447	Senior Seminar: Critical Issues: Nutrition and Dietetics	1	Senior standing
7760:403	Advanced Food Preparation (Spring only)	3	7760:141 or 7760:250 or permission
7760:424	Nutrition in the Life Cycle (Spring only)	3	7760:316 or 7760:426, or permission of the instructor
7760:482	Community Nutrition II (Spring only)	3	7760:480
7760:487	Sports Nutrition (Spring only)	3	7760:133, 3100:202, 3100:203, 3150:112, 3150:113 or permission of the instructor
	<i>Additional Humanities <u>or</u> Arts requirements</i>	3	See General Education guide
Total		16	

	Minimum Credits for Degree	120	
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NOTES:

- a. A student in the Didactic program will complete 3 credit hours of electives. A student in the Coordinated Program is required to complete Introduction to Entrepreneurship (6300:201) and 5 credit hours of electives.

Recommended Electives: Medical Terminology (2740:120); Legal and Social Environment of Business (6400:220); Basic Pharmacology (2740:230); Human Cultures (3230:150); Methods of Social Research I (3850:301); Anthropology of Food (3230:420); Intercultural Communication (7600:325); First Aid and CPR (5550:211); Introduction to Ethics (3600:120).

- b. 2420:211, Basic Accounting I AND 2420:212, Basic Accounting II may be substituted for 6200:201, Accounting Principles I.
- c. A \$35.00 fee for Liability Insurance is collected as part of course fees and provides you with required malpractice coverage.

ACADEMIC ADVISING: Admitted students will be considered pre-admits to their desired major and will receive advising from the College of Health Professions' Student Success Center in Mary Gladwin Hall 313. Once the student meets or is in progress to complete the first-year requirements with a 3.0 GPA and a C or better, then the student will be eligible to apply for the Didactic Program. Students admitted to the program will be assigned a faculty advisor.

DIDACTIC or COORDINATED PROGRAM: The first and second year of the dietetic curriculum for both the Didactic Program (DP) and the Coordinated Program (CP) are identical. Both programs meet the DP requirements of the Accreditation Council for Education in Nutrition and Dietetics. To be eligible for active membership in The Academy of Nutrition and Dietetics and subsequent registration, graduates of the Didactic Program are required to complete a dietetic internship following completion of their course work at the University of Akron. Effective Fall 2015, students must apply for admission to the Didactic Program. Application information is available on the Nutrition/Dietetics website. Deadline for application submission is March 1st.

The CP includes over 1200 hours of pre-professional practice within the final two years of study, during which students gain knowledge as well as clinical experience in three main areas: food service administration, medical nutrition therapy, and community nutrition. CP graduates are eligible for active membership in the Academy and may take the national registration examination following graduation. State licensure requirements must also be satisfied prior to practice in Ohio. Information about limited permits and licensure are provided during the program.

Information regarding official application to Coordinated Program is available in course 7760:120 Career Decisions in Nutrition. Applications are available on the Nutrition/Dietetics website. Students applying to the Coordinated Program should have a minimum GPA of 3.0, a 3.0 science GPA, and be prepared for heavy time commitment. Students accepted to the Coordinated Program complete a new Academic Program Agreement and are then advised by the Coordinated Program Director. Deadline for application submission is February 1st.

VERIFICATION STATEMENTS: The Didactic and the Coordinated Programs are accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). The student's Academic Program Requirements include courses which meet the verification statement requirements.

Upon graduation, verification statements are signed by the Didactic or the Coordinated Program Director, indicating satisfactory completion of the program requirements. To earn a Verification Statement in DP or CP, students must have a 3.0 GPA and obtain a grade of "C" (2.0) or better in the following courses (unless waived): 3100:130, 200-201, 202-203; 3150:110, 111, 112, 113; 3470:250 or 260; 3750:100; 3850:100; 6200:201 or 2420:211 and 212, 6500:301, 480; 7600:105 or 106, 7760:120, 133, 228, 250, 251, 310, 314 (DP only), 315 (CP only), 328, 400, 403, 413, 424, 426, 428, 443, 447, 480, 482, 487, 489 (DP only). In addition, CP students must complete the following courses with a minimum of a B or with CR: 7760:315, 329, 429, 444, 481, 483, 484, 486. Please note: Recency of education requirements may need to be satisfied.

IMPORTANT:

- If courses are taken out of the recommended sequence, graduation may be delayed.
- If General Organic Biochemistry classes were completed more than 5 years ago. Please see contact the School of Nutrition and Dietetics for additional evaluation.
- To progress in the Nutrition majors, *students may not repeat any course required for the verification statement more than once.* If, after the first repeat, a student has not earned a "C" or better in a course, they will be dropped from the program.
- Once dropped, students will not be permitted to re-enter the dietetics programs.

STATEMENT OF UNDERSTANDING: Students are required to comply with the rules and regulations necessary to meet the foundation knowledge and skills for dietetics. Medical insurance, proof of immunization and a thorough criminal background check (BCI/FBI) for clinical experiences are required. The background check may reveal a student's unsealed and sealed criminal record.

STUDENT ACADEMY of NUTRITION & DIETETICS (SAND): The University of Akron Student Academy of Nutrition and Dietetics is open to all interested undergraduate and graduate students at the University. Its purpose is to stimulate interest in the dietetic profession, orient members to The Academy of Nutrition and Dietetics, and organize activities to involve members in programs for the public to help promote nutrition education. Contact the faculty advisor (330-972-8664), watch the Schrank bulletin board for meeting notices, and/or talk to one of the student officers for more information. New officers are elected yearly, and names are posted on the dietetics bulletin board.

SCHOLARSHIPS: Scholarships are available from various sources (including the School of Nutrition/Dietetics and The Academy of Nutrition and Dietetics) throughout the school year. Information regarding scholarships and the application is posted on the dietetics bulletin board in Schrank Hall South. Deadlines for applications will vary. It is the student's responsibility to request letters of recommendation from the faculty if required. Email the application before the posted deadline dates as instructed online.

EMPLOYMENT OPPORTUNITIES: A student majoring in Dietetics gains some knowledge and experience in all three areas of specialization: management, medical nutrition therapy, and community dietetics. Thus, rewarding positions may be found in a variety of settings: hospitals, schools and colleges, commercial food services, community agencies, health care agencies, with manufacturers and distributors, with family practice units and private physicians requiring the professional services of a registered dietitian, or in the area of food and nutrition research. Average salary for dietitians is approximately \$57,910 annually.

Fashion Merchandising (Apparel Track)/ H40101BAT

The following information has official approval of the School of Family and Consumer Sciences, but is intended only as a guide supplemental. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
	<i>English Composition Requirement (Note e)</i>	3	Appropriate placement by advisor
	<i>Social Science Requirement</i>	3	
	<i>Math Requirement (Note f)</i>	3	Appropriate placement by advisor
7400:139	The Fashion & Furnishings Industries	3	
	<i>Speech/Oral Communication</i>	3	
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
	<i>English Composition Requirement (Note e)</i>	3	3300:111 or equivalent
	<i>Social Science Requirement (Note g)</i>	3	
	<i>Physical Education/Wellness</i>	1	
7400:125	Principles of Apparel Design	3	
7400:123	Fundamentals of Construction	3	
7400:219	Dress and Culture	3	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
	<i>Natural Science Requirement</i>	4	
7400:225	Textiles	3	
6600:205 or 2520:101	Marketing Principles -OR- Essentials of Marketing Technology (Note c)	3	24 credits
2520:202	Retailing Fundamentals	3	
7400:xxx	Apparel, Home Furnishings, Fiber Arts elective (Note c)	3	
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
	<i>Natural Science Requirement</i>	4	
6600:275 or 2520:212	Professional Selling -OR- Principles of Sales	3	2520:101 25 credit hours
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World since 1300</i>	4	Both options require 32 credit hours & 3300:112 or equivalent
7400:226	Textiles Evaluation	3	7400:225
	Elective	3	
Total		17	

3 rd Year	Fall Semester	Credit Hours	Prerequisites
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	<i>Humanities Elective</i>	3	
7400:xxx	Apparel, Home Furnishings, Fiber Arts Elective (Note c)	3	
7400:352	Strategic Merchandise Planning	3	Completion of general education math
6600:432 or 2520:203	Integrated Marketing Communications -OR- Principles of Advertising	3	2520:101 OR 6600:205 6600:205 and 6600:355
	Foreign language or course alternative approved by departmental advisor (Note a)	4	
Total		16	

3rd Year Spring Semester

	<i>Humanities Elective</i>	3	
7400:427	Global Issues in Textiles and Apparel	3	7400:139
7400:xxx	Apparel, Home Furnishings, Fiber Arts Electives (Note c)	6	
	Foreign language or course alternative approved by departmental advisor (Note a)	4	
Total		16	

3rd Year Summer

7400:494	Internship	3	permission
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4th Year Fall Semester

	<i>Area Studies/ Cultural Diversity</i>	2	
7400:425	Textiles for Apparel	3	7400:225 or 226
7400:439	Fashion Analysis	3	7400:125 and 139 and senior class standing
7400:437	Historic Costume	3	
	Foreign language or course alternative approved by departmental advisor (Note a)	3	
Total		14	

4th Year Spring Semester

	<i>Area Studies/Cultural Diversity</i>	2	
7400:447	Senior Seminar: Critical Issues in Professional Development	1	FCS major and senior class standing
7400:438	History of Fashion	3	
	Foreign language or course alternative approved by departmental advisor (Note a)	3	
7400:450	Families, Individuals, and Environments	3	FCS major and senior class standing or permission
	General Elective (Note d)	5	
Total		17	

	Total Credits for Degree	130 Minimum	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. A student majoring in Fashion Merchandising will have 1 of 3 options to choose:
 - Option I: Complete 4 semesters of the same foreign language.
 - Option II: Complete 2 semesters of the same foreign language and 2 alternative course options approved by a departmental advisor.
 - Option III: Complete 14 credit hours of selected alternative coursework approved by departmental advisor.
- b. If you are interested in a minor in Consumer Marketing, choose 6600:205, 6600:275 and 6600:432; and take the additional courses to complete the minor – 6600:355 and choose 2 from 6600:434, 6600:438 and 6600:440. If you are interested in a minor in Marketing and Sales Technology, choose 2420:101 and 2520:103.
- c. A student will complete elective coursework from Apparel, Home Furnishings or Fiber Arts tracks. Courses required in track may not be used as elective courses.
- d. A student majoring in Fashion Merchandising will complete 5 to 7 credit hours of General Electives.
- e. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- f. For the Math general education requirement, 3470:250 (Statistics for Everyday Life) or 3470:260 (Basic Statistics) is recommended.
- g. For the Social Sciences general education requirement, 3250:200 (Microeconomics) is recommended.

Bachelor of Arts in Fashion Merchandising:

Division Coordinator – Dr. Sandra Stansbery Buckland, Schrank South 215T, 330/972-8090. skb@uakron.edu

IN GENERAL: Students majoring in Fashion Merchandising may find exciting positions in fashion, retailing, wholesaling, product development, or promotional activities in the fabric, furnishings, and ready-to-wear industries. Employers seek personable, mobile, and articulate individuals.

JOB DESCRIPTION: In fashion, career opportunities exist in retail buying, management, visual display, fashion consulting and product development; representatives for fashion, accessories, furnishings and fabric manufacturers.

Individuals majoring in Fashion Merchandising may seek employment with retailers, manufacturers, pattern companies, extension services, magazines and newspapers, advertising agencies, and trade associations.

SALARY LEVEL: Average entry-level salaries for the above-mentioned fields range from \$30,000 - \$40,000.

FURTHER INFORMATION: A student interested in further information regarding career opportunities is urged to consult with Dr. Buckland in Schrank South 215 or with the Career Center in the Student Union 211.

An internship is required in Fashion Merchandising.

Periodically there are opportunities to travel to major fashion and furnishing centers.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.3 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."
(Citano)

Fashion Merchandising (Home Furnishings Track)/ H40102BAT

The following information has official approval of the Buchtel College of Arts and Sciences, but is intended only as a guide supplemental. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

BOLDED courses are prerequisites or have prerequisites and must be taken during the semester indicated in this guide to avoid schedule conflicts or delay of graduation.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
	<i>English Composition Requirement</i> (Note e)	3	Appropriate placement by advisor
	<i>Math Requirement</i> (Note f)	3	Appropriate placement by advisor
7400:139	The Fashion & Furnishings Industries	3	
7400:158	Introduction to Interior Design	3	
7100:144	Foundation 2D Design	3	This course serves as a pre-requisite for 7400:331 (Interior Design Theory)
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
	<i>English Composition Requirement</i> (Note e)	3	3300:111 or equivalent
	<i>Speech/Oral Communication</i>	3	
	<i>Natural Science Requirement</i>	4	
7400:123	Fundamentals of Construction	3	
7400:259	Family Housing	3	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
	<i>Natural Science Requirement</i>	4	
	<i>Social Science Requirement</i>	3	
7400:225	Textiles (Lecture & Lab)	3	
2940:250	Architectural Drafting	3	2940:121 or call 330-972-7721 Dept. of FCS for Permission. This course will serve as pre-requisites for 7400:258 (Light in Man-Made Environments) and 7400:333 (Program and Space Planning)
7400:331	Interior Design Theory	3	7400:144, 7400:158, & 7400:259
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
	<i>Social Science Requirement</i>	3	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World since 1300</i>	4	Both options require 32 credit hours and English requirement completed
7400:258	Light in Man-Made Environments (course alternative to foreign language)	3	2940:250 This course serves as a pre-requisite for 7400:334 (Specifications for Interiors I)
7400:333	Program and Space Planning	3	2940:250

6600:300 or 2520:101	Marketing Principles -OR- Essentials of Marketing Technology (Note b)	3	24 credits & 3250:200 or 3250:244
Total		16-17	

3rd Year Fall Semester			
	<i>Humanities Elective</i>	3	
	<i>Physical Education/Wellness</i>	1	
6600:432 or 2520:203	Integrated Marketing Communications -OR- Principles of Advertising	3	6600:205 and 6600:355 2520:101 OR 6600:300
7400:334	Specifications for Interiors I	3	7400:225 and 258
7400:352	Strategic Merchandise Planning	3	Completion of general education math
	Foreign Language or course alternative or general elective approved by departmental advisor (Notes a and c)	3-4	
Total		16-17	

3rd Year Spring Semester			
	<i>Humanities Elective</i>	3	
7400:xxx	Apparel, Home Furnishings, Fiber Arts Elective (Note c)	3	
7400:335	Specification for Interiors II	3	7400:334
7400:422	Textiles for Interiors	3	7400:225
	Foreign Language or course alternative or general elective approved by departmental advisor (Notes a and c)	3-4	
Total		15-16	

3rd Year Summer			
7400:494	Internship	3	

4th Year Fall Semester			
	<i>Area Studies/Cultural Diversity</i>	2	
2520:202	Retailing Fundamentals	3	
7400:439	Fashion Analysis	3	7400:125 and 139
7400:450	Families, Individuals, and Environments	3	FCS major, senior standing or completion of 90 credits or permission of instructor
	Foreign Language or course alternative or general elective approved by departmental adviser (Notes a and c)	3	
7400:418	History of Interior Design I	4	
Total		18	

4th Year Spring Semester			
	<i>Area Studies and Cultural Diversity</i>	2	
7400:427	Global Issues in Textiles and Apparel	3	
7400:447	Senior Seminar: Critical Issues in Professional Development	1	FCS major, senior standing
7400:419	History of Interior Design II	4	
6600:275 or 2520:212	Professional Selling -OR- Principles of Sales	3	25 credit hours 2520:101

	Foreign Language or course alternative or general elective approved by department adviser (Notes a and c)	3	
Total		16	

	Total Credits for Degree	130 Minimum	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. A student majoring in Fashion Merchandising will have 1 of 3 options to choose:
 - Option I: Complete 4 semesters of the same foreign language.
 - Option II: Complete 2 semesters of the same foreign language and 2 alternative course options approved by a departmental advisor.
 - Option III: Complete 14 credit hours of selected alternative coursework approved by departmental advisor.
- b. If you are interested in a minor in Consumer Marketing, choose 6600:300 and 6600:350. If you are interested in a minor in Marketing and Sales Technology, choose 2420:101 and 2520:103.
- c. A student will complete elective coursework from Apparel, Home Furnishings or Fiber Arts tracks. Courses required in track may not be used as elective courses.
- d. A student majoring in Fashion Merchandising will complete 5 to 7 credit hours of General Electives.
- e. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- f. 3470:250 (Statistics for Everyday Life) or 3470:260 (Basic Statistics) are recommended to meet the General Education Math requirement.

Bachelor of Arts in Fashion Merchandising:

Division Coordinator – Dr. Sandra Stansbery Buckland, Schrank South 215T, 330/972-8090. skb@uakron.edu

IN GENERAL: Students majoring in Fashion Merchandising may find exciting positions in fashion, retailing, wholesaling, product development, or promotional activities in the fabric, furnishings, and ready-to-wear industries. Employers seek personable, mobile, and articulate individuals.

JOB DESCRIPTION: In fashion, career opportunities exist in retail buying, management, visual display, fashion consulting and product development; representatives for fashion, accessories, furnishings and fabric manufacturers.

Individuals majoring in Fashion Merchandising may seek employment with retailers, manufacturers, pattern companies, extension services, magazines and newspapers, advertising agencies, and trade associations.

SALARY LEVEL: Average entry-level salaries for the above-mentioned fields range from \$30,000 - \$40,000.

FURTHER INFORMATION: A student interested in further information regarding career opportunities is urged to consult with Dr. Buckland in Schrank South 215 or with the Career Center in the Student Union 211. An internship is required in Fashion Merchandising. Periodically there are opportunities to travel to major fashion and furnishing centers.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.3 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

(Citano)

Fashion Merchandising (Fiber Arts Track)/ H40103BAT

The following information has official approval of the School of Family and Consumer Sciences, but is intended only as a guide supplement. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
	<i>English Composition Requirement</i> (Note e)	3	Appropriate placement by advisor
	<i>Social Science Requirement</i>	3	
	<i>Math Requirement</i> (Note f)	3	Appropriate placement by advisor
7400:139	The Fashion & Furnishings Industries	3	
	<i>Speech/Oral Communication</i>	3	
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
	<i>English Composition Requirement</i> (Note e)	3	3300:111 or equivalent
	<i>Social Science Requirement</i> (Note g)	3	
7400:125	Principles of Apparel Design	3	
7400:123	Fundamentals of Construction	3	
	<i>Natural Science Requirement</i>	4	
	<i>Physical Education/Wellness</i>	1	
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2520:202	Retail Fundamentals	3	
7400:225	Textiles (Lecture & Lab)	3	
7400:xxx	Apparel, Home Furnishings, Fiber Arts elective (Note c)	3	
	<i>Humanities Requirement</i>	3	
	Foreign language or course alternative approved by department adviser (Note a)	3	
6600:205 or 2520:101	Marketing Principles -OR- Essentials of Marketing Technology (Note b)	3	24 credits
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
	<i>Natural Science Requirement</i>	4	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World since 1300</i>	4	Both options require 32 credit hours & 3300:112 or equivalent
7400:226	Textile Evaluation	3	7400:225
7400:311	Seminar in Fiber Arts	3	
6600:275 or 2520:212	Professional Selling -OR- Principles of Sales	3	2520:101
Total		17	

3rd Year Fall Semester			
	<i>Area Studies and Cultural Diversity</i>	2	
6600:432 or 2520:203	Integration Marketing Communications -OR- Principles of Advertising	3	6600:300 and 6600:355 2520:101 OR 6600:300
7400:352	Strategic Merchandise Planning	3	Completion of general education math
7400:425 or 7400:422	Only choose 1 combination for the program: Textiles for Apparel -OR- Textiles for Interiors	3	7400:225, 226
	Foreign language or course alternative approved by department advisor (Note a)	4	
Total		15	

3rd Year Spring Semester			
	<i>Humanities Requirement</i>	3	
7400:311	Seminar in Fiber Arts	3	
7400:427	Global Issues in Textiles and Apparel	3	
7400:xxx	Apparel, Home Furnishings, Fiber Arts Elective (Note c)	3	
	Foreign language or course alternative approved by department advisor (Note a)	4	
Total		16	

3rd Year Summer			
7400:494	Internship	3	

4th Year Fall Semester			
7400:xxx	Apparel, Home Furnishings, Fiber Arts Elective (Note c)	3	
7400:439	Fashion Analysis	3	7400:125 and 139
7400:450	Families, Individuals, and Environments	3	FCS major, senior standing or completion of 90 credits or permission of instructor
7400:437 or 7400:418	Only choose 1 combination for the program: Historic Costume -OR- History of Interior Design I	3	
	Foreign language or course alternative approved by department advisor (Note a)	3	
Total		15	

4th Year Spring Semester			
	<i>Area Studies/Cultural Diversity</i>	2	
7400:438 or 7400:419	History of Fashion -OR- History of Interior Design II	3	
7400:447	Senior Seminar: Critical Issues in Professional Development	1	FCS major, senior standing
	General Elective (Note d)	5	
7400:311	Seminar in Fiber Arts	3	
	Foreign language or course alternative approved by department advisor (Note a)	3	
Total		17	

ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. A student majoring in Fashion Merchandising will have 1 of 3 options to choose:
 - Option I: Complete 4 semesters of the same foreign language.
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 - Option III: Complete 14 credit hours of selected alternative coursework approved by departmental advisor.
- b. If you are interested in a minor in Consumer Marketing, choose 6600:205, 6600:275 and 6600:432. If you are interested in a minor in Marketing and Sales Technology, choose 2420:101 and 2520:103.
- c. A student will complete elective coursework from Apparel, Home Furnishings or Fiber Arts tracks. Courses required in track may not be used as elective courses.
- d. A student majoring in Fashion Merchandising will complete 5 to 7 credit hours of General Electives.
- e. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- f. 3470:250 (Statistics for Everyday Life) or 3470:260 (Basic Statistics) are recommended to meet the General Education Math requirement.
- g. 3250:200 (Principles of Microeconomics) is recommended to meet a General Education Social Science requirement.

Bachelor of Arts in Fashion Merchandising:

Division Coordinator – Dr. Sandra Stansbery Buckland, Schrank South 215T, 330/972-8090. skb@uakron.edu

IN GENERAL: Students majoring in Fashion Merchandising may find exciting positions in fashion, retailing, wholesaling, product development, or promotional activities in the fabric, furnishings, and ready-to-wear industries. Employers seek personable, mobile, and articulate individuals.

JOB DESCRIPTION: In fashion, career opportunities exist in retail buying, management, visual display, fashion consulting and product development; representatives for fashion, accessories, furnishings and fabric manufacturers.

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SALARY LEVEL: Average entry-level salaries for the above-mentioned fields range from \$30,000 - \$40,000.

FURTHER INFORMATION: A student interested in further information regarding career opportunities is urged to consult with Dr. Buckland in Schrank South 215 or with the Career Center in the Student Union 211.

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- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron." (Citano)

Food and Environmental Nutrition (FEN) H40112BST

The following information has official approval of the **School of Nutrition and Dietetics**, but is intended only as a supplemental guide.

***Preadmission courses: A grade of "C" or higher is required.** A minimum combined 3.0 GPA is required.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education/>

1 st Year	Fall Semester	Credit Hours	Prerequisites
*3300:111	<i>English Composition I</i>	3	Appropriate placement by advisor
*3470:260 or *3470:250	<i>Basic Statistics (Quantitative Reasoning)</i> -OR- <i>Statistics for Everyday Life (Quantitative Reasoning)</i>	3 4	3450:100 or appropriate placement Appropriate placement by advisor
*3150:110	<i>Intro to General, Organic & Biochemistry I Lecture (Natural Science)</i>	3	corequisite: 3150:111
*3150:111	<i>Intro to General, Organic & Biochemistry I Lab (Natural Science)</i>	1	corequisite: 3150:110
*3850:100	<i>Introduction to Sociology (Social Science and also meets Domestic Diversity requirement)</i>	3	
*7760:120	Career Decisions in Nutrition	1	
Total		14-15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
*3300:112	<i>English Composition II</i>	3	3300:111 or equivalent
*3150:112	<i>Intro to General, Organic & Biochemistry II Lecture (Natural Science)</i>	3	3150:110/111 corequisite: 3150:113
*3150:113	<i>Intro to General, Organic & Biochemistry II Lab</i>	1	corequisite: 3150:112
*7600:105 or *7600:106	<i>Introduction to Public Speaking</i> -OR- <i>Effective Oral Communication</i>	3	
*7760:133	<i>Nutrition Fundamentals</i>	3	
*3100:130	<i>Principles of Microbiology (Lecture/Lab)</i>	3	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3100:200	Human Anatomy & Physiology I	3	corequisite: 3100:201
3100:201	Human Anatomy & Physiology I Lab	1	corequisite: 3100:200
7760:250	Food Science Lecture (Fall or Spring)	3	7760:133, 7760:120, 150:110, 3150:111, 3150:112, 3150:113; corequisite: 7760:251
7760:251	Food Science Lab (Fall or Spring)	1	7760:133, 7760:120, 3150:110, 3150:111, 3150:112, 3150:113; corequisite: 7760:250
7760:228	Introduction to Medical Nutrition Therapy (Fall only)	3	7760:133, 3150:110, 3150:111, 3150:112, 3150:113
3750:100	<i>Introduction to Psychology (Social Science)</i>	3	
Total		14	

ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

2 nd Year		Spring Semester	
3100:202	Human Anatomy & Physiology II	3	3100:200 corequisite: 3100:203
3100:203	Human Anatomy & Physiology II Lab	1	corequisite: 3100:202
6200:201	Accounting Principles I (Note b)	3	24 credits completed
	Arts requirement	3	See General Education guide
3600:120	Introduction to Ethics (recommended Humanities requirement)	3	32 credits & 3300:112 or equivalent
6300:201	Introduction to Entrepreneurship	3	
Total		16	

3 rd Year		Fall Semester	
7760:400	Nutrition Communication and Education Skills	4	7760:133 or 7760: 316
7760:426	Human Nutrition	3	7760:133, 7760:228, 3100:202, 3100:203, 3150:112, 3150:113
6500:301	Management Principles and Concepts	3	48 credit hours
	Global Diversity requirement	3	See General Education guide
3250:200	Principles of Microeconomics	3	
Total		16	

3 rd Year		Spring Semester	
6600:205	Marketing Principles	3	24 hours college credit
7760:310	Food Systems Management I (Spring only) (Note c)	4	7760:250, 6200:201 or 2420:211 and 2420:212; 7760:314 corequisite
7760:314	Food Systems Management I Field Experience (Spring only)	2	7760:310 corequisite
7760:470	The Food Industry (Spring only)	3	7760:250
7760:321	Experimental Foods (Spring only)	3	7760: 250, 3150:110, 3150:111, 3150:112, 3150:113
Total		15	

3 rd Year		Summer Semester	
7760:340	Meal Management	3	
Total		3	

4 th Year		Fall Semester	
7760:412	Introduction to Food Regulation (Fall only)	3	
7760:474	Cultural Dimensions of Food (Fall only)	3	
7760:476	Developments in Food Science (Fall only)	3	7760:250
6600:355	Buyer Behavior	3	6600:205
Total		12	

4 th Year		Spring Semester	
7760:447	Senior Seminar: Critical Issues in Nutrition	1	Senior standing
6600:440	Product and Brand Management	3	6600:205 and 6600:355
	Critical Thinking requirement	3	See General Education guide
	Complex Systems Affecting Individuals in Society requirement	3	See General Education guide
	Additional Art <u>or</u> Humanities requirement	3	See General Education guide
Total		13	
	Minimum Credits for Degree	120	

NOTES:

- a. A student in the FEN program will complete 3 credit hours of electives.
Recommended Electives: Technical Report Writing (2020:222), Spreadsheet Modeling & Design Analysis (6200:250); Legal and Social Environment of Business (6400:220); Anthropology of Food (3230:420); Intercultural Communication (7600:325); First Aid and CPR (5550:211). A Business Minor for Non-Business Majors can be completed with 3-4 additional courses. See website for curriculum information. A pre-MBA minor is another recommended option if a Master's in Business Administration is desired after obtaining a bachelor's degree.
- b. 2420:211, Basic Accounting I AND 2420:212, Basic Accounting II may be substituted for 6200:201, Accounting Principles I.
- c. A \$35.00 fee for Liability Insurance is collected as part of course fees and provides you with required malpractice coverage.

ACADEMIC ADVISING: Once the student meets the first year requirements with a 3.0 GPA and a C or better, then the student will be assigned a faculty adviser.

FOOD AND ENVIRONMENTAL NUTRITION ASSOCIATION (FENA): The University of Akron Food and Environmental Nutrition Association is open to all interested undergraduate and graduate students at the University. The purpose of this organization is to introduce students to career opportunities in the food industry through plant tours, professional panels, and lively discussion about new technologies in the food industry. Contact the faculty advisor (330-972-5594), watch the FENA bulletin board for meeting notices, and/or talk to one of the student officers for more information. New officers are elected yearly, and names are posted on the FENA bulletin board.

IMPORTANT:

- If courses are taken out of the recommended sequence, graduation may be delayed.
- If General Organic Biochemistry classes were completed more than 5 years ago, please see contact the School of Nutrition and Dietetics for additional evaluation.
- To progress in FEN, the student must have a minimum GPA of 3.0 AND have a "C" (2.00) or better in all of the prerequisite courses, which includes all of the courses listed in the first year on the curriculum guide.
- Once dropped, students will not be permitted to re-enter the FEN program.

SCHOLARSHIPS: Scholarships are available from various sources (including the School of Nutrition/Dietetics and The Institute of Food Technologists) throughout the school year. Information regarding scholarships is posted on the Nutrition Center bulletin board in Schrank Hall South. Deadlines for applications will vary; it is the student's responsibility to: 1) request application forms, 2) request letters of recommendation from the faculty if required, forms are generally available at the front desk, and 3) mail all materials to be received before the posted deadline dates.

EMPLOYMENT OPPORTUNITIES: The objective of the major is to provide for a degree to qualify students for the food industry including food marketing, entrepreneurship, food product design and development, food regulation, food promotion, brand development, community agriculture, and quality assurance/quality control.

CAREER CENTER: Seniors should register with the Career Center (www.uakron.edu/career), keeping their addresses updated after graduation (no fee). Job opportunities and employer literature are also available in the Nutrition Center.

H40401BA

FAMILY AND CONSUMER SCIENCES (FCS) EDUCATION

Leading to Teacher Licensure in Vocational FCS Education Grades 4-12 and Adult

The following information has official approval of the **School of Family and Consumer Sciences and the College of Education**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Please contact **Dr. Virginia Gunn** at (330) 972-7729 in your freshman year for further important information.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
	<i>English Composition I Requirement</i> (Note a,c)	3	Appropriate placement by advisor
7760:133	Nutrition Fundamentals (Note b)	3	
7400:123 or 7400:225	Fundamentals of Construction (Note b) or Textiles	3	
	<i>Speech/Oral Communication Requirement</i> (Note c)	3	
	<i>Social Science Requirement</i> (Note c)	3	
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
	<i>English Composition II Requirement</i> (Note a, c)	3	3300:111 or equivalent
	<i>Math Requirement</i> (Note c)	3	Appropriate placement by advisor
	<i>Social Science Requirement</i>	3	
5100:200	Introduction to Education	3	
5300:100	Orientation to AYA/P-12/Multi-Age Programs	0	
7400:201	Courtship, Marriage and Family Relations (Note b)	3	must earn "C" or better to be accepted into program
	<i>Physical Education</i>	1	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credit hours and 3300:112 equivalent
5610:255	Introduction to Exceptionalities	3	5100:200, 220
7760:141	Food for the Family (Note b)	3	Permission from instructor
	<i>Natural Science Requirement</i> (Note c)	4	
5100:220	Educational Psychology	3	
Total		17	

Apply for admission to Teacher Education program

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7400:259	Family Housing (Note b)	3	
7400:125 or 7400:21	Principles of Apparel Design (Note b) or Dress and Culture	3	
7400:241	Introduction to FCS Education (Note b)	3	
5500:230	Educational Technology	3	5100:200, 220
	<i>Natural Science Requirement</i>	4	
Total		16	

3 rd Year Fall Semester			
7400:265	Child Development (Note b)	3	
7400:xxx	FCS Elective (Note b)	3	Approval by FCS
5100:300	Educational Equity & Excellence	3	
7400:301	Consumer Education (Note b)	3	
	<i>Humanities Requirement</i>	3	
Total		15	

3 rd Year Spring Semester			
7400:360	Parent-Child Relations (Note b)	3	7400:265
7400:442	Human Sexuality (Note b)	3	
5500:370	Educational Implementation	3	
5300:325 or 5500:440	Content Reading in Secondary School or Developmental Reading in Content Areas	3	
7400:491	Career-Tech FCS Instructional Strategies (Note b)	3	
Total		15	

3 rd Year Summer Semester			
5500:360	Educational Planning	3	
	<i>Humanities Requirement</i>	3	
	<i>Area Studies/Cultural Diversity</i>	2	
Total		8	

4 th Year Fall Semester			
7400:447	Senior Seminar: Critical Issues in Professional Development (Note b)	1	FCS major and 96 credit hours
7400:450	Families, Individuals & Environments (Note b)	3	
7400:404	Middle Childhood & Adolescence (Note b)	3	7400:201 and 265 or permissions
7400:406	Family Financial Management (Note b)	3	
7400:xxx	FCS Elective (Note b)	3	Approval by FCS
	<i>Area Studies/Cultural Diversity</i>	2	
Total		15	

4 th Year Spring Semester			
7400:498	Student Teaching Seminar (Note b)	1	
5300:495	Student Teaching: Secondary Education	8	
5500:475	Instructional Technology Applications	3	
Total		12	

ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- Student must earn a C or better in all 7400 and 7760 for teacher licensure.
- College of Education Preadmission Courses** – A minimum of 30 prescribed credits is required for admission. **A minimum of 3.0 GPA is required in these credits, in teaching field coursework, and overall, including transfer work.** At least 1 credit of Physical Education/Wellness, 3 credits of Social Science, and 3 credits of Natural Science are required for admission to the College of Education. Please refer to the General Education Guide or your adviser regarding the acceptable courses.
- A minimum of 8 credits from 5100:200 Introduction to Education, 5100:220 Ed Psychology, 5610:255 Introduction to Exceptionalities, or 5500:230 Educational Psychology are required for admission to the College of Education. These credits cannot be used to fulfill other preadmission requirements. If you have taken more than 8 credits, you must include the additional coursework toward the calculation of the teaching field GPA.

ADMISSION TO THE COLLEGE OF EDUCATION TEACHER EDUCATION PROGRAM: A student already admitted to the Buchtel College of Arts and Sciences should make an appointment with the adviser in the School of Family and Consumer Sciences to fill out an application for approval from the College of Education to complete the teacher-education requirements when you complete the following:

- All preadmission courses must be completed and posted to your University of Akron transcript.
- Obtain an **overall 3.0 grade point average, including transfer work.**
- Obtain a **3.0 preadmission course (**)** grade point average, including transfer work.
- Obtain a **3.0 grade point average in a minimum of 8 credits of “teaching field” coursework (*), including transfer work.** If you have taken more than 8 credits, you must include grades for the additional coursework in the calculation of the teaching field GPA.

ADDITIONAL PREADMISSION REQUIREMENTS NECESSARY TO BE ACCEPTED INTO THE TEACHER EDUCATION PROGRAM: Students will not be allowed to take 5100, 5200, 5250, 5300, 5500, 5610 courses in the College of Education until preadmission requirements found at <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot> are met.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.3 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in “My Akron.”

Employment Opportunities for Family and Consumer Sciences Teachers: Currently, there is a statewide and nationwide shortage of Family and Consumer Sciences teachers. Historically, there has been a placement rate of 100% for UA graduates with Family and Consumer Sciences teacher licensure. Other opportunities include work in business, social services, as well as county extension services.

IMPORTANT: As a FCS Education major you will be admitted to and graduate from the Buchtel College of Arts and Sciences; however, since you intend to teach, you must also be admitted to the Teacher Education Program (TEP) in the College of Education (usually AFTER you have been admitted to the Buchtel College of Arts and Sciences). Therefore, you *may* apply for and be admitted to the Buchtel College of Arts and Sciences BEFORE meeting the pre-admission courses/requirements (PACS/PARS) for admission to the Teacher Education Program in the College of Education. You will apply for approval to complete your teacher education coursework from the College of Education under the guidance of **Dr. Virginia Gunn, FCS School Director.**

Dietetics H40500BST Coordinated Program

The following information has official approval of the **School of Nutrition and Dietetics**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. The transfer process is completed through an appointment with your Academic Advisor.

All students begin in the Didactic program as a major in Dietetics.

- All courses marked with an (*) must be completed prior to the entry to the Didactic Program in Dietetics (DPD).
- **Bolded Courses** require a grade of “C” or better for the Verification Statement. Refer to the last page for an explanation of the differences between the Didactic and Coordinated Programs and the importance of the Verification Statement.

***Preadmission courses: A grade of “C” or higher is required.** A minimum combined 3.0 GPA is required.

Early transfer to the College of Health Professions can occur after completing 12 credits at the University of Akron, completion of at least one core science course and earning a 3.0 GPA at The University of Akron.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at [http://www.uakron.edu/advising/docs/General Education Guide.pdf](http://www.uakron.edu/advising/docs/General_Education_Guide.pdf)

1 st Year	Fall Semester	Credit Hours	Prerequisites
*3300:111	<i>English Composition I</i>	3	Appropriate placement by advisor
*3470:260 or *3470:250	<i>Basic Statistics</i> -OR- <i>Statistics for Everyday Life</i>	3 4	3450:100 or appropriate placement Appropriate placement by advisor
*3150:110	Intro to General, Organic & Biochemistry I Lecture	3	
*3150:111	Intro to General, Organic & Biochemistry I Lab	1	corequisite: 3150:110
*3850:100	<i>Introduction to Sociology</i> (also meets Domestic Diversity requirement)	3	
*7760:120	Career Decisions in Nutrition	1	Appropriate placement by advisor
Total		14-15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
*3300:112	<i>English Composition II</i>	3	3300:111 or equivalent
*3150:112	Intro to General, Organic & Biochemistry II Lecture	3	3150:110/111
*3150:113	Intro to General, Organic & Biochemistry II Lab	1	corequisite: 3150:112
*7600:105 or *7600:106	<i>Introduction to Public Speaking</i> -OR- <i>Effective Oral Communication</i>	3	
*7760:133	Nutrition Fundamentals	3	
*3100:130	Principles of Microbiology (Lecture/Lab)	3	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3100:200	Human Anatomy & Physiology I	3	
3100:201	Human Anatomy & Physiology I Lab	1	corequisite: 3100:200
7760:250	Food Science Lecture	3	7760:133, 7760:320, 3150:110, 3150:111, 3150:112, 3150:113; corequisite: 7760:251
7760:251	Food Science Lab	1	7760:133, 7760:320, 3150:110, 3150:111, 3150:112, 3150:113; corequisite: 7760:250
7760:228	Introduction to Medical Nutrition Therapy	3	7760:133, 3150:110, 3150:111, 3150:112, 3150:113
3750:100	<i>Introduction to Psychology</i>	3	
Total		14	

ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

2 nd Year		Spring Semester	
3100:202	Human Anatomy & Physiology II	3	3100:200
3100:203	Human Anatomy & Physiology II Lab	1	corequisite: 3100:202
6200:201	Accounting Principles I (Note b)	3	24 credits completed
	<i>Arts requirement</i>	3	See General Education guide
	<i>Humanities requirement</i>	3	See General Education guide
6300:201	Introduction to Entrepreneurship	3	
Total		16	

In order to be eligible to take the following courses in the 3rd and 4th years, a student must be formally accepted into the Coordinated Program.

2 rd Year		Summer Semester	
7760:485	Seminar: Professional Preparation for CP	1	Department Consent Required
	Electives (Note a)	5	
Total		6	

3 rd Year		Fall Semester	
7760:310	Food Systems Management I (Note c)	4	7760:250, 6200:201 or 2420:211 and 2420:212; corequisite 7760:315
7760:315	Food Systems Management I Clinical	2	7760:250 prerequisite 7760:310 corequisite
7760:403	Advanced Food Preparation	3	7760:141 or 7760:250 or permission
7760:426	Human Nutrition (Fall only)	3	7760:133, 7760:228, 3100:202, 3100:203, 3150:112, 3150:113; corequisite: 7760:443
7760:443	Nutrition Assessment (Fall only)	3	7760:133, 7760:228, 3100:202, 3100:203, 3150:112, 3150:113; corequisite: 7760:426
6500:480	Introduction to Management of Healthcare Systems (Fall only)	3	
Total		18	

3 rd Year		Spring Semester	
7760:328	Medical Nutrition Therapy I (Spring only)	3	7760:133 or 7760:316, 7760:426, 7760:443
7760:329	Medical Nutrition Therapy I Clinical (Spring only)	2	7760:133 or 7760:316, 7760:228, 7760:426, 7760:443; corequisite: 7760:328
7760:400	Nutrition Communication and Education Skills	4	7760:133 or 7760: 316
7760:424	Nutrition in the Life Cycle (Spring only)	3	7760:316 or 7760:426 or permission
7760:487	Sports Nutrition	3	7760:133, 3100:202, 3100:203, and 3150:112, and 3150:113, or 3150:203 or 7600:426 or permission
6500:301	Management Principles and Concepts	3	48 credit hours
Total		18	

3 rd Year		Summer Semester	
7760:444	Long Term Care Clinical	2	CP students only, 7760:328, 7760:329
	<i>Additional Arts or Humanities requirement</i>	3	See General Education guide
	<i>Global Diversity requirement</i>	3	See General Education guide
Total		8	

4 th Year		Fall Semester	
7760:428	Medical Nutrition Therapy II (Fall only)	3	7760:328
7760:429	Medical Nutrition Therapy II Clinical (Fall only)	3	CP students only, 7760:329; corequisite: 7760:428
7760:480	Community Nutrition I (Fall only) (Note c)	3	7760:316 or 7760:426; 7760:481 corequisite for CP only
7760:481	Community Nutrition I Clinical (Fall only)	1	CP students only, 7760:428; corequisite: 7760:480

	<i>Critical Thinking</i> requirement	3	See General Education guide
	<i>Complex Systems Affecting Individuals in Society</i> requirement	3	See General Education guide
Total		16	

4th Year Spring Semester			
7760:413	Food Systems Management II (Spring only)	3	7760:310
7760:447	Senior Seminar: Critical Issues: Professional Development (Spring only)	1	Senior standing
7760:482	Community Nutrition II (Spring only)	3	7760:480
7760:484	Health and Wellness Clinicals (Spring only)	4	CP Students only, 7760: 481 corequisite: 7760 413 and 482
7760:486	Staff Relief (Credit/Non-credit)	2	CP senior only, 7760:414
Total		13	

	Minimum Credits for Degree	139	
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NOTES:

- a. A student in the Didactic program will complete 11 credits hours of electives. A student in the Coordinated Program is required to complete Introduction to Entrepreneurship (6300:201) and 5 credit hours of electives.

Recommended Electives: Medical Terminology (2740:120); Legal and Social Environment of Business (6400:220); Basic Pharmacology (2740:230); Human Cultures (3230:150); Methods of Social Research I (3850:301); Anthropology of Food (3230:420); Intercultural Communication (7600:325); First Aid and CPR (5550:211) or Introduction to Ethics (3600:120).

- b. 2420:211, Basic Accounting I AND 2420:212, Basic Accounting II may be substituted for 6200:201, Accounting Principles I.

- c. A \$35.00 fee for Liability Insurance is collected as part of course fees and provides you with required malpractice coverage.

ACADEMIC ADVISING: Students can transfer to the College of Health Professions with 12 credits, 3.0 GPA, and 1 pre-requisite science completed. Admitted students will be considered pre-admits to their desired major and will receive advising from the College of Health Professions' Student Success Center in Mary Gladwin Hall 313. Once the student meets or is in progress to complete the first year requirements with a 3.0 GPA and C or better, then the student will be eligible to apply for the Didactic Program. Students interested in applying to for the Coordinated Program will be able to submit their application by February 1. Students admitted to the program will be assigned a faculty adviser.

STUDENT DIETETIC ASSOCIATION (SDA): The University of Akron Student Dietetic Association is open to all interested undergraduate and graduate students at the University. Its purpose is to stimulate interest in the dietetic profession, orient members to The Academy of Nutrition and Dietetics, and organize activities to involve members in programs for the public to help promote nutrition education. Contact the faculty advisor (330-972-8664), watch the Schrank bulletin board for meeting notices, and/or talk to one of the student officers for more information. New officers are elected yearly, and names are posted on the dietetics bulletin board.

DIDACTIC or COORDINATED PROGRAMS: The first year of the dietetic curriculum for both the Didactic Program (DP) and the Coordinated Program (CP) are identical. Both programs meet the DP requirements of the Accreditation Council for Education in Nutrition and Dietetics. To be eligible for active membership in The Academy of Nutrition and Dietetics and subsequent registration, graduates of the Didactic Program are required to complete a dietetic internship following completion of their course work at the University of Akron. Effective Fall 2015, students must apply for admission to the Didactic Program. Application information is available on the Nutrition/Dietetics website.

The CP includes over 1200 hours of pre-professional practice within the final two years of study, during which students gain knowledge as well as clinical experience in three main areas: food service administration, medical nutrition therapy, and community nutrition. CP graduates are eligible for active membership and may take the national registration examination following graduation. State licensure requirements must also be satisfied prior to practice in Ohio. Information about limited permits and licensure are provided during the program.

Information regarding official application to Coordinated Program is available in course 7760:320 Career Decisions in Nutrition. Applications are available in 215 Schrank Hall South. Students applying to the Coordinated Program should have a minimum GPA of 3.0, a 3.0 science GPA, and be prepared for heavy time commitment. Students accepted to the Coordinated Program complete a new Academic Program Agreement, and are then advised by the Coordinated Program Director. Deadline for application submission is February 1st.

VERIFICATION STATEMENTS: The Didactic and the Coordinated Programs are accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). The student's Academic Program Requirements include courses which meet the verification statement requirements.

Upon graduation, verification statements are signed by the Didactic or the Coordinated Program Director, indicating satisfactory completion of the program requirements. To earn a Verification Statement in DP or CP, students must have a 3.0 GPA and obtain a grade of "C" (2.0) or better in the following courses (unless waived): 3100:130, 200-201,202-203; 3150:110,111,112,113; 3470:250 or 260; 3750:100; 3850:100; 6200:201 or 2420:211 and 212, 6500:301, 480; 7600:105 or 106, 7760:133, 228, 250, 251, 310, 315, 320, 328, 400, 403, 413, 424, 426, 428, 443, 447, 480, 482, 487, 489 (DP only). In addition CP students must complete the following courses with a minimum of a B or with CR: 7760:315, 329, 429, 444, 481, 484, 486, 485, 6300:201

Please note: Recency of education requirements may need to be satisfied.

IMPORTANT:

- If courses are taken out of the recommended sequence, graduation may be delayed.
- If your General Organic Biochemistry classes were completed more than 5 years ago. Please see contact the School of Nutrition and Dietetics for additional evaluation.
- To progress in the Nutrition majors, *students may not repeat any course required for the verification statement more than once*. If, after the first repeat, a student has not earned a "C" or better in a course, they will be dropped from the program.
- Once dropped, students will not be permitted to re-enter the dietetics programs.

STATEMENT OF UNDERSTANDING: Students are required to comply with the rules and regulations necessary to meet the foundation knowledge and skills for dietetics. Medical insurance, proof of immunization and a thorough criminal background check (BCI/FBI) for clinical experiences are required. The background check may reveal a student's unsealed and sealed criminal record.

SCHOLARSHIPS: Scholarships are available from various sources (including the School of Nutrition/Dietetics and The Academy of Nutrition and Dietetics throughout the school year. Information regarding scholarships is posted on the dietetics bulletin board in Schrank Hall South. Deadlines for applications will vary; it is the student's responsibility to: 1) request application forms, 2) request letters of recommendation from the faculty if required, forms are generally available at the front desk, and 3) mail all materials to be received before the posted deadline dates. ROTC and Air Force Scholarships are also available.

EMPLOYMENT OPPORTUNITIES: A student majoring in Dietetics gains some knowledge and experience in all three areas of specialization: management, medical nutrition therapy, and community dietetics. Thus, rewarding positions may be found in a variety of settings: hospitals, schools and colleges, commercial food services, community agencies, health care agencies, with manufacturers and distributors, with family practice units and private physicians requiring the professional services of a registered dietitian, or in the area of food and nutrition research. Average salary for dietitians is approximately \$45,000 annually.

FURTHER INFORMATION: A more detailed curriculum guide, explaining the four-year programs and standards for grades in specific courses, is available in the Office of Nutrition and Dietetics, Schrank South 210, 330/972-7319. Please contact the Dietetics faculty or the Career Center, Student Union 211, for more information.

TRANSFER TO THE COLLEGE OF HEALTH PROFESSIONS: Students should apply to the college upon the attainment of:

- **an overall 3.0 grade point average or higher.**
- **at least 12 credits completed at the University of Akron**
- **at least one prerequisite science course completed**

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

Music, BM Jazz Studies (C50007BM) Checklist

General Education Requirements (34 credits)	
Students must complete English, Mathematics, and Speech requirements during the first 48 credit hours.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses)	
Social Sciences: (6 cr -2 courses)	
Natural Sciences: (7 cr -2 courses)	
TAGS (one class each)	
Critical Thinking (CT)	
Complex Systems (CS)	
Domestic Diversity (DD)	
Global Diversity (GD)	
Music Requirements	
Music Core:	
7500:101 Intro to Music Theory* (2 cr)	
7500:104 Class Piano I* (2 cr)	
7500:105 Class Piano II* (2 cr)	
7500:121 Theory and Musicianship I (4 cr)	
7500:122 Theory and Musicianship II (4 cr)	
7500:221 Theory and Musicianship III (4 cr)	
7500:222 Theory and Musicianship IV (4 cr)	
7500:261 Keyboard Harmony I (2 cr)	
7500:262 Keyboard Harmony II (2 cr)	
7500:154 Music Literature I (3 cr)	
7500:155 Music Literature II (3 cr)	
7500:351 Music History I (2 cr)	
7500:352 Music History II (2 cr)	
7500:453 Music Software Survey and Use (2 cr)	
*not counted in degree program total; required or excused per placement audition/test.	
College of Arts and Sciences Requirements	
300/400 Upper Division Requirement: (40 cr)	

Applied Music and Performance Courses	
7500:157 Student Recital (0 cr); eight semesters	
7510:1xx Major Conducted Ensemble (4 cr); four semesters	
7510:115 Jazz Ensembles (8 cr); eight semesters	
7520:1xx Applied Music Primary Instrument (8 cr)	
7520:2xx Applied Music Primary Instrument (8 cr); jury to 300 level required prior to graduation.	
*Saxophone majors must jury to the 200 level of Applied Flute and Clarinet prior to graduation.	
*Guitar Majors must jury to the 200 level of Applied Classical Guitar prior to graduation.	
7500:457 Senior Recital (0 cr); full recital required	
Additional Required Music Courses:	
7500:361 Conducting (2 cr)	
7500:371 Analytical Techniques (2 cr)	
7500:454 Orchestration (2 cr)	
7500:497: Independent Study Music: practicum in jazz studies (2 cr)	
Additional Required Jazz Courses:	
7500:210 Jazz Improvisation I (2 cr)	
7500:211 Jazz Improvisation II (2 cr)	
7500:212 Music Industry Survey (2 cr)	
7500:307 Techniques of Jazz Ensemble Performance and Direction (2 cr)	
7500:308 Jazz History and Literature (2 cr)	
7500:309 Jazz Keyboard Techniques (2 cr)	
7500:310 Jazz Improvisation III (2 cr)	
7500:311 Jazz Improvisation IV (2 cr)	
7500:407 Jazz Arranging and Scoring (2 cr)	
Music Electives:	
7500:xxx Music Electives (6 cr)	
*not from 7500:101, 7500:104, 7500:105	
134 Credit Minimum	

Music, BM Woodwind Performance (C50103BM) Checklist

General Education Requirements (41 credits)	
Students must complete English, Mathematics, and Speech requirements during the first 48 credit hours.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses)	
Social Sciences: (6 cr -2 courses)	
Natural Sciences: (7 cr -2 courses)	
TAGS (one class each)	
Critical Thinking (CT)	
Complex Systems (CS)	
Domestic Diversity (DD)	
Global Diversity (GD)	
College of Arts & Sciences Requirements	
300/400 Upper Division Requirement: (40 cr)	
Music Requirements	
Music Core:	
7500:101 Intro to Music Theory* (2 cr)	
7500:104 Class Piano I* (2 cr)	
7500:105 Class Piano II* (2 cr)	
7500:121 Theory and Musicianship I (4 cr)	
7500:122 Theory and Musicianship II (4 cr)	
7500:221 Theory and Musicianship III (4 cr)	
7500:222 Theory and Musicianship IV (4 cr)	
7500:261 Keyboard Harmony I (2 cr)	
7500:262 Keyboard Harmony II (2 cr)	
7500:154 Music Literature I (2 cr)	
7500:155 Music Literature II (2 cr)	
7500:351 Music History I (3 cr)	
7500:352 Music History II (3 cr)	
7500:453 Music Software Survey and Use (2 cr)	
*not counted in degree program total; required or excused per placement audition/test.	

Applied Music and Performance Courses	
7500:157 Student Recital (0 cr); eight semesters	
7510:103 Orchestra (1 cr) OR	
7510:104 Symphonic Band (1 cr) OR	
7510:125 Concert Band (1 cr); total of eight credits and eight semesters	
7520:1xx Applied Music Primary Instrument (8 cr)	
7520:2xx Applied Music Primary Instrument (8 cr)	
7520:3xx Applied Music Primary Instrument (8 cr)	
7520:4xx Applied Music Primary Instrument (8 cr); completion of 400 level required prior to graduation.	
7500:457 Senior Recital (0 cr); full recital required	
Additional Required Music Courses:	
7500:325 Research in Music (2 cr)	
7500:361 Conducting (2 cr)	
7500:372 Post-Tonal Analytical Techniques (2 cr)	
7500:416 Teaching and Literature of Woodwind Instruments (2 cr)	
7500:454 Orchestration (2 cr)	
7500:471 Counterpoint (2 cr) OR	
7500:353 Electronic Music (3 cr)	
7500:497: Independent Study Music (2 cr)	
Music Electives:	
7500:xxx Music Elective (3 cr); four credits required if 7500:471 taken. Credits cannot come from 7500:101, 7500:104, 7500:105.	
131 Credit Minimum	

Music, Music Education Band (C50208BM) Checklist

General Education Requirements (34 credits)	
Students must complete English, Mathematics, and Speech requirements during the first 48 credit hours.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses)	
Social Sciences: (6 cr -2 courses)	
Natural Sciences: (7 cr -2 courses)	
TAGS (one class each)	
Critical Thinking (CT)	
Complex Systems (CS)	
Domestic Diversity (DD)	
Global Diversity (GD)	
College of Arts and Sciences Requirements	
300/400 Upper Division Requirement: (40 cr)	
Music Core:	
7500:101 Intro to Music Theory* (2 cr)	
7500:104 Class Piano I* (2 cr)	
7500:105 Class Piano II* (2 cr)	
7500:121 Theory and Musicianship I (4 cr)	
7500:122 Theory and Musicianship II (4 cr)	
7500:221 Theory and Musicianship III (4 cr)	
7500:222 Theory and Musicianship IV (4 cr)	
7500:261 Keyboard Harmony I (2 cr)	
7500:262 Keyboard Harmony II (2 cr)	
7500:154 Music Literature I (3 cr)	
7500:155 Music Literature II (3 cr)	
7500:351 Music History I (2 cr)	
7500:352 Music History II (2 cr)	
*not counted in degree program total; required or excused per placement audition/test.	
Music Education Courses:	
7500:102 Introduction to Music Education (2 cr)	
7500:276 Trumpet/Horn Methods (1 cr)	
7500:277 Clarinet/Saxophone Methods (1 cr)	

7500:289 Music Education Jury (0 cr); student must pass jury before enrolling in subsequent music education courses.	
7500:298 Technologies of Music Education (2 cr)	
7500:254 String Methods I (1 cr)	
7500:255 String Methods II (1 cr)	
7500:305 Marching Band Techniques (2 cr)	
7500:307 Techniques of Jazz Rehearsal and Arranging (2 cr)	
7500:315 Equity and Excellence in Music Education (2 cr)	
7500:339 Teaching General Music (2 cr)	
7500:345 Low Brass Methods (1 cr)	
7500:346 Flute/Double Reed Methods (1 cr)	
7500:361 Conducting (2 cr)	
7500:442 Instrumental Methods (2 cr)	
7500:443 Instrumental Practicum (2 cr)	
7500:454 Orchestration (2 cr)	
7500:455 Advanced Conducting Band (2 cr)	
7500:458 Percussion Methods (1 cr)	
7500:121 University Singers (1 cr)	
5300:495 Student Teaching (10 cr)	
7500:492 Student Teaching Colloquium (1 cr)	
College of Education Courses	
5100:220 Educational Psychology (3 cr)	
5610:225 Introduction to Exceptionalities (3 cr)	
5500:440 Literacy in the Content Areas (3 cr)	
Applied Music and Performance Courses	
7500:157 Student Recital (0 cr); eight semesters	
7510:104 Symphonic Band OR	
7510:125 Concert Band OR	
7510:128 University Band (8 cr); eight semesters	
7510:126 Marching Band (2 cr); two semesters	
7520:1xx Applied Music Primary Instrument (4 cr)	
7520:2xx Applied Music Primary Instrument (4 cr); jury to 300 level required prior to student teaching	
7520:3xx Applied Music Primary Instrument (4 cr)	
7520:4xx Applied Music Primary Instrument (4 cr)	
7500:457 Senior Recital (0 cr); half recital.	
148 Credit Minimum	

Communication C60007BA

News Concentration

The following information has official approval of the **School of Communication**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
	<i>English Requirement</i> (Note b)	3	Appropriate placement by advisor
	<i>Physical Education/Wellness Requirement</i>	1	
	<i>Math Requirement</i> (Note c)	3	Appropriate placement by advisor
	Beginning Language I	4	
	-OR-	or	
7700:101	American Sign Language I (Note j)	3	
7600:105	<i>Introduction to Public Speaking</i>		
	-OR-	3	
7600:106	<i>Effective Oral Communication</i> (Notes a, e)		
Total		13-14	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7600:102	Survey of Mass Communication (Note a)	3	
	<i>English Requirement</i> (Note b)	3	3300:111 or equivalent
	Beginning Language II	4	Beginning Language I
	-OR-	or	or
7700:102	American Sign Language II (Note j)	3	7700:101
7600:115	Survey of Communication Theory (Note a)	3	
	<i>Social Science Requirement</i>	3	
Total		15-16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7600:300	Newswriting (Note h)	3	ability to type, 3300:111, 3300:112 with a grade of C or better
	<i>Natural Science Requirement</i>	4	
	Intermediate Language I		Beginning Language II
	-OR-	3	or
7700:201	American Sign Language III		7700:102
	<i>Social Science Requirement</i>	3	
	<i>Area Studies & Cultural Diversity</i> (Note f)	2	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7600:384	Communication Research (Note a)	3	7600:102 and 7600:115 C or better and math
	Intermediate Language II	3	Intermediate Language I
	-OR-	or	or
7700:202	American Sign Language IV– AND	3	7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students only
	<i>Natural Science Requirement</i>	4	
3400:210	<i>Humanities in the Western Tradition</i>	4	32 credits & 3300:112 or equivalent
or	-OR-		
3400:221	<i>Humanities in the World Since 1300</i>		32 credits & 3300:112 or equivalent

7600:308	Feature Writing	3	7600:300
Total		17-19	

3rd Year Fall Semester

	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Humanities Requirement</i>	3	
7600:301	Advanced Newswriting	3	7600:300
	News Requirement (Note d)	3	
7600:xxx	Communication Elective	3	
	Minor Requirement (Note i)	3	
Total		17	

3rd Year Spring Semester

	News Requirement (Note d, h)	3	
	News Requirement (Note d, h)	3	
7600:xxx	Communication Elective	3	
	Minor Requirement (Note i)	3	
	Minor Requirement (Note i)	3	
	<i>Humanities Requirement</i>	3	
Total		18	

4th Year Fall Semester

	News Requirement (Note d)	3	
	News Requirement (Note d)	3	
7600:xxx	Communication Elective	3	
	Minor Requirement (Note i)	3	
	Minor Requirement (Note i)	3	
Total		15	

4th Year Spring Semester

	News Requirement (Note d, h)	3	
	News Requirement (Note d, h)	3	
7600:xxx	Communication Elective	3	
	Minor Requirement (Note i)	3	
	General Elective (Note g)	3-4	
Total		15-16	

	Total Credits for Degree	128 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. A grade of "C" or better is required in order to graduate.
- b. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- c. The School of Communication recommends 3470:250 Statistics for Everyday Life or 3470:260 Basic Statistics to meet the General Education mathematics requirement.
- d. News Requirements:
 - Complete 6 credits from: 7600:302, 420, 416
 - Complete 9 credits from: 7600:282, 283, 304, 417, 425

- Complete 6 credits from: 7600:400, 408, 410, 284
- e. 7600:105, Introduction to Public Speaking; and, 7600:106, Effective Oral Communication are the required classes to meet the General Education Oral Communications requirement.
- f. The School of Communication recommends 7600:325 Intercultural Communication to meet part of the Area Studies and Cultural Diversity General Education requirement.
- g. General Electives: The number will be approximately 3 credits depending on choices made with the General Education and foreign language/minor/second major/associate degree option. Total credits to graduate must be a minimum of 128.
- h. In order to assist major in graduating on time, only students in a degree granting college may take upper level (300/400) Communication courses.
- i. A student must complete two years of a foreign language or sign language and one of the following:
 - 1) A university approved minor (not a School of Communication minor) from the Undergraduate Bulletin.
 - 2) An earned associate/bachelor degree
 - 3) A second major not in Communication
- j. Demonstration of ability to use another language by completion of the second year of a foreign language.

School of Communication, Kolbe Hall 108, (330) 972-7600

**Visit the School of Communication online at <http://www.uakron.edu/schlcomm>
College of Arts and Sciences Advising, CAS 118, 330-972-7880**

Public Relations Writing: As of Fall 2010, 7600:300, Newswriting is the prerequisite for 7600:303, Public Relations Writing. Once it's completed, it will be counted as a Communication Elective

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.5 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron".

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language.

(Roberts)

Strategic & Organizational Communication (C60101BA) Checklist

General Education 2.0 Requirements	
Students must complete Writing, Mathematics, and Speaking requirements during their first year.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses)	
Social Sciences: (6 cr -2 courses)	
Natural Sciences: (7 cr -2 courses)	
TAGS (one class each)	
Critical Thinking (CT)	
Complex Systems (CS)	
Domestic Diversity (DD)	
Global Diversity (GD)	
College of Arts & Sciences Requirements	
Foreign Language: (14 cr-4 courses)	
101 Beginning I (4 cr)	
102 Beginning II (4cr)	
201 Intermediate I (3-4 cr)	
202 Intermediate II (3-4 cr)	
7700:222 Survey Deaf Culture America (<i>American Sign Language option only</i>)	
300/400 Upper Division Requirement: (40 cr)	
Minor (18 – 21 cr) Completion of a Minor or Second Major (not in Communication) or earned Associate Degree (minimum 18 credits)	

Strategic & Organizational Requirements	
15 Communication Core and 24 major credits required. Grade of C or better is required in Communication Core courses.	
Communication Core:	
7600:101 Introduction to Communication (3 cr)	
7600:210 Multitplatform Production (3 cr)	
7600:245 Argumentation (3 cr) (CT)	
7600:384 Communication Research Methods (3 cr)	
7600:499 Capstone in Communication (3 cr) OR	
7600:485 Honors Project in Communication (3 cr) OR	
7600:480 Internship at Senior Level (need 90 credits to qualify) (3 cr)	
Strategic & Organizational Communication Core (12 cr)	
7600:235 Interpersonal Communication (3 cr)	
7600:260 Theories of Rhetoric (3 cr)	
7600:305 Communication Theory (3 cr)	
7600:435 Organizational Communication (3 cr)	
Strategic & Organizational Electives- 12 credits from any 7600 course <u>not</u> included above and not 7600:105 or 106. <i>Below are recommended electives:</i>	
7600:226 Interviewing (3 cr)	
7600:227 Non-verbal Communication (3 cr)	
7600:252 Persuasion (3 cr)	
7600:325 Intercultural Communication (3 cr) (DD)	
7600:344 Small Group Communication (3 cr)	
7600:345 Advanced Presentational Comm. (3 cr)	
7600:355 Freedom of Speech (3 cr)	
7600:356 Rhetorical Criticism (3 cr)	
7600:357 Rhetoric and Popular Culture (3 cr)	
7600: 436 Analyzing Organizational Comm. (3 cr)	
7600:437 Training Methods in Communication (3 cr)	
7600:438 Health Communication (3 cr)	
7600:444 Communication & Conflict (3 cr)	
7600:475 Political Communication (3 cr)	
Co-curricular activities (Forensics, WZIP, ZTV, Buchtelite) are limited to a total of 3 credits to be applied to the Strategic & Organizational electives.	
120 Credit Minimum	

Communication C60102BA

Interpersonal and Public Communication Concentration

The following information has official approval of the **School of Communication**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
	<i>English (Requirement (Note b))</i>	3	Appropriate placement by advisor
	<i>Physical Education/Wellness Requirement</i>	1	
	<i>Math Requirement (Note c)</i>	3	Appropriate placement by advisor
	Beginning Language I	4	
	-OR-	or	
7700:101	American Sign Language I (Note j)	3	
7600:105	<i>Introduction to Public Speaking</i>	3	
	-OR-		
7600:106	<i>Effective Oral Communication (Notes a, e)</i>		
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7600:102	Survey of Mass Communication (Note a)	3	
	<i>English Requirement (Note b)</i>	3	3300:111/113
	Beginning Language II	4	Beginning Language I
	-OR-	or	or
7700:102	American Sign Language II (Note j)	3	7700:101
7600:115	Survey of Communication Theory (Note a)	3	
	<i>Social Science Requirement</i>	3	
Total		15-16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7600:235	Interpersonal Communication	3	
	<i>Natural Science Requirement</i>	4	
	Intermediate Language I	3	Beginning Language II
	-OR-		or
7700:201	American Sign Language III		7700:102
	<i>Social Science Requirement</i>	3	
	<i>Area Studies & Cultural Diversity (Note f)</i>	2	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7600:384	Communication Research (Note a, h)	3	7600:102 and 7600:115 C or better and math
	Intermediate Foreign Language II	3	Intermediate Language I
	-OR-	or	or
7700:202	American Sign Language IV— AND	3	7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students only
	<i>Natural Science Requirement</i>	4	
3400:210	<i>Humanities in the Western Tradition</i>	4	32 credits & 3300:112 or equivalent
	-OR-		
3400:221	<i>Humanities in the World Since 1300</i>	4	32 credits & 3300:112 or equivalent
7600:245	Argumentation	3	

Total		17-19	
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3rd Year Fall Semester			
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Humanities Elective Requirement</i>	3	
7600:346	Advanced Public Speaking (Note h)	3	7600:105 or 7600:106
	Interpersonal & Public Communication Requirement (Note d, h)	3	
	Interpersonal & Public Communication Requirement (Note d, h)	3	
	Minor Requirement (Note i)	3	
Total		17	

3rd Year Spring Semester			
	Interpersonal & Public Communication Requirement (Note d, h)	3	
	Interpersonal & Public Communication Requirement (Note d, h)	3	
	<i>Humanities Requirement</i>	3	
	Minor Requirement (Note i)	3	
	Minor Requirement (Note i)	3	
	Elective	3	
Total		18	

4th Year Fall Semester			
	Interpersonal & Public Communication Requirement (Note d, h)	3	
7600:xxx	Communication Elective	3	
7600:xxx	Communication Elective	3	
	Minor Requirement (Note i)	3	
	Minor Requirement (Note i)	3	
Total		15	

4th Year Spring Semester			
7600:xxx	Communication Elective	3	
7600:xxx	Communication Elective	3	
7600:xxx	Communication Elective	3	
	Minor Requirement (Note i)	3	
	General Elective (Note g)	3-4	
Total		15-16	

	Total Credits for Degree	128 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. A grade of "C" or better is required **in order to graduate**.
- b. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- c. The School of Communication recommends 3470:250 Statistics for Everyday Life or 3470:260 Basic Statistics to meet the General Education mathematics requirement.
- d. Interpersonal and Public Communication Requirement:

- Complete 9 credits from: 7600:226, 227, 252, 325, 344, 355
 - Complete 6 credits from: 7600:454, 457, 470, 471, 475
- e. 7600:105, Introduction to Public Speaking; and, 7600:106, Effective Oral Communication are the required classes to meet the General Education Oral Communications requirement.
- f. The School of Communication recommends 7600:325 Intercultural Communication to meet part of the Area Studies and Cultural Diversity General Education requirement.
- g. General Electives: The number will be approximately 3 credits depending on choices made with the General Education and foreign language/minor/second major/associate degree option. Total credits to graduate must be a minimum of 128.
- h. In order to assist major in graduating on time, only students in a degree granting college may take upper level (300/400) Communication courses.
- i. A student must complete two years of a foreign language or sign language and one of the following:
- 1) A university approved minor (not a School of Communication minor) from the Undergraduate Bulletin.
 - 2) An earned associate/bachelor degree
 - 3) A second major not in Communication
- j. Demonstration of ability to use another language by completion of the second year of a foreign language.

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Public Relations Writing: As of Fall 2010, 7600:300, Newswriting is the prerequisite for 7600:303, Public Relations Writing. Once it's completed, it will be counted as a Communication Elective

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.5 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron".

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language.

(Roberts)

Media Studies, BA (C60104BA) Checklist

General Education 2.0 Requirements	
Students must complete Writing, Mathematics, and Speaking requirements during their first year.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses)	
Social Sciences: (6 cr -2 courses)	
Natural Sciences: (7 cr -2 courses)	
TAGS (one class each)	
Critical Thinking (CT)	
Complex Systems (CS)	
Domestic Diversity (DD)	
Global Diversity (GD)	
College of Arts & Sciences Requirements	
Foreign Language: (14 cr-4 courses)	
101 Beginning I (4 cr)	
102 Beginning II (4cr)	
201 Intermediate I (3-4 cr)	
202 Intermediate II (3-4 cr)	
7700:222 Survey Deaf Culture America (<i>American Sign Language option only</i>)	
300/400 Upper Division Requirement: (40 cr)	
Minor (18 – 21 cr) Completion of a Minor or Second Major (not in Communication) or earned Associate Degree (minimum 18 credits)	

Media Studies Requirements (39 cr)	
15 Communication core credits and 24 major credits required. Grade of C or better is required in Communication Core courses.	
Communication Core: (15 cr)	
7600:101 Introduction to Communication (3 cr)	
7600:210 Multiplatform Production (3 cr)	
7600:245 Argumentation (3 cr) (CT)	
7600:384 Communication Research (3 cr)	
7600:499 Capstone in Communication (3 cr) or 7600:485 Honors Project in Communication (3 cr) or 7600:480 Internship at Senior Level (need 90 credits to qualify) (3 cr)	
Media Studies Core (12 cr)	
7600:274 Introduction to the Media Industries (3 cr)	
7600:284 Legal Issues in Media (3 cr)	
7600:300 Newswriting Across the Media (3 cr)	
7600:474 Media Theory (3 cr)	
Media Studies Electives (choose 9 cr):	
7600:209 Principles of Social Media (3 cr)	
7600:303 Public Relations Writing (3 cr)	
7600:304 Information Gathering & Editing (3 cr)	
7600:309 Public Relations Publications (3 cr)	
7600:317 Topics in Media Production (3 cr) may be repeated with a change in topic, max. 9 cr	
7600:345 Advanced Presentational Comm (3 cr)	
7600:355 Freedom of Speech (3 cr)	
7600:368 Basic Audio/Video Editing (3 cr)	
7600:372 Video Production (3 cr)	
7600:378 Topics in Media History (3 cr) – may be repeated with a change in topic, maximum 9 cr	
7600:405 Media Copywriting (3 cr)	
7600:408 Women, Minorities and News (3 cr)	
7600:437 Training Methods in Communication (3 cr)	
7600:487 Advanced Topics in Media Writing (3 cr) – may be repeated with a change in topic, max. 9 cr	
7600:468 Advanced Audio/Video Editing (3 cr)	
7600:475 Political Communication (3 cr)	
7600: 481 Film as Art (3 cr)	
7600:486 Media Management and Leadership (3 cr)	
School of Communication Elective (choose 3 cr):	
Electives Total of 3 credits from any 7600 course except 105 & 106. <i>Recommended elective is 7600:325 Intercultural Communication (3 cr) (DD)</i>	
Co-curricular activities (Forensics, WZIP, ZTV, Buchtelite) are limited to a total of 3 credits to be applied to the School of Communication elective.	
120 Credit Minimum	

Communication C60104BA Radio/TV Concentration

The following information has official approval of the **School of Communication**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
	<i>English Requirement (Note b)</i>	3	Appropriate placement by advisor
	<i>Physical Education/Wellness Requirement</i>	1	
	<i>Math Requirement (Note c)</i>	3	Appropriate placement by advisor
	Beginning Language I	4	
	-OR-	or	
7700:101	American Sign Language I (Note j)	3	
7600:105	<i>Introduction to Public Speaking</i>	3	
	-OR-		
7600:106	<i>Effective Oral Communication (Notes a, e)</i>		
Total		13-15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7600:102	Survey of Mass Communication (Note a)	3	
	<i>English Requirement (Note b)</i>	3	3300:111 or equivalent
	Beginning Language II	4	Beginning Language I
	-OR-	or	or
7700:102	American Sign Language II (Note j)	3	7700:101
7600:280	Media Production Techniques	3	
	<i>Social Science Requirement</i>	3	
Total		15-16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7600:115	Survey of Communication Theory (Note a)	3	
	<i>Natural Science Requirement</i>	4	
	Intermediate Language I	3	Beginning Language II
	-OR-	or	or
7700:201	American Sign Language III	3	7700:102
	<i>Social Science Requirement</i>	3	
	<i>Area Studies & Cultural Diversity (Note f)</i>	2	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7600:384	Communication Research (Note a, h)	3	7600:102 and 7600:115 C or better and math
	Intermediate Language II	3	Intermediate Language I
	-OR-	or	or
7700:202	American Sign Language IV— AND	3	7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students only
	<i>Natural Science Requirement</i>	4	
3400:210	<i>Humanities in the Western Tradition</i>	4	32 credits & 3300:112 or equivalent
	-OR-	or	
3400:221	<i>Humanities in the World Since 1300</i>	4	32 credits & 3300:112 or equivalent
7600:284	Legal Issues in Media	3	
Total		17-19	

3rd Year Fall Semester			
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Humanities Requirement</i>	3	
	Radio/TV Requirement (Note d, h)	3	
7600:287	Radio and TV Writing	3	3300:111 and 3300:112 C or better
	Radio/TV Requirement (Note d, h)	3	
	Minor Requirement (Note i)	3	
Total		17	

3rd Year Spring Semester			
7600:396	Programming & Audience Analysis (Note h)	3	7600:102 pre or co 384
	Radio/TV Requirement (Note d, h)	3	
	<i>Humanities Requirement</i>	3	
	Minor Requirement (Note i)	3	
	Minor Requirement (Note i)	3	
	Elective	3	
Total		18	

4th Year Fall Semester			
7600:486	Broadcast Sales & Management (Note h)	3	7600:384 pre or co 396
	Radio/TV Requirement (Note d, h)	3	
	Radio/TV Elective (Note g, h)	3	
	Minor Requirement (Note i)	3	
	Minor Requirement (Note i)	3	
Total		15	

4th Year Spring Semester			
	Radio/TV Requirement (Note d, h)	3	
	Radio/TV Elective (Note g, h)	3	
	Radio/TV Elective (Note g, h)	3	
	Minor Requirement (Note i)	3	
	General Elective (Note h)	3-4	
Total		15-16	

	Total Credits for Degree	128 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. A grade of "C" or better is required **in order to graduate**.
- b. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- c. The School of Communication recommends 3470:250 Statistics for Everyday Life or 3470:260 Basic Statistics to meet the General Education mathematics requirement.
- d. Radio/TV Requirements:
 - Complete 6 credits from: 7600:282, 283, 375 Complete 3 credits from: 7600:378 or 481
 - Complete 9 credits from: 7600:270, 345, 355, 388, 400, 446, 462, 378, 228, 230, 480
- e. 7600:105, Introduction to Public Speaking; and, 7600:106, Effective Oral Communication are the required classes to meet the General Education Oral Communications requirement.

- f. The School of Communication recommends 7600:325 Intercultural Communication to meet part of the Area Studies and Cultural Diversity General Education requirement.
- g. Radio/TV Electives: Complete 9 credits of coursework from Buchtel College of Arts and Sciences (7000, 7100, 7500, 7600, 7800, 7900; excluding 7600:105 and 7600:106) selected in consultation with a faculty advisor.
- h. General Electives: The number will be approximately 3 credits depending on choices made with the General Education and foreign language/minor/second major/associate degree option. Total credits to graduate must be a minimum of 128.
- i. In order to assist major in graduating on time, only students in a degree granting college may take upper level (300/400) Communication courses.
- j. A student must complete two years of a foreign language or sign language and one of the following:
 - 1) A university approved minor (not a School of Communication minor) from the Undergraduate Bulletin.
 - 2) An earned associate/bachelor degree
 - 3) A second major not in Communication
- k. Demonstration of ability to use another language by completion of the second year of a foreign language.

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College of Arts and Sciences Advising, CAS 118, 330-972-7880**

Public Relations Writing: As of Fall 2010, 7600:300, Newswriting is the prerequisite for 7600:303, Public Relations Writing. Once it's completed, it will be counted as a Communication Elective

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.5 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron".

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language.

(Roberts)

Communication C60105BA

Media Production Concentration

The following information has official approval of the **School of Communication**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
	<i>English Requirement (Note b)</i>	3	Appropriate placement by advisor
	Physical Education/Wellness	1	
	<i>Math Requirement (Note c)</i>	3	Appropriate placement by advisor
	Beginning Language I	4	
	-OR-	or	
	American Sign Language I (Note j)	3	
7600:105	<i>Introduction to Public Speaking</i>	3	
	-OR-	3	
7600:106	<i>Effective Oral Communication (Note e)</i>		
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7600:102	Survey of Mass Communication (Note a)	3	
	<i>English Requirement (Note b)</i>	3	3300:111 or equivalent
	Beginning Language II	4	Beginning Language I
	-OR-	or	or
7700:102	American Sign Language II (Note j)	3	7700:101
7600:280	Media Production Techniques	3	
	<i>Social Science Requirement</i>	3	
Total		15-16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7600:115	Survey of Communication Theory (Note a)	3	
	<i>Natural Science Requirement</i>	4	
	Intermediate Language I		Beginning Language II
	-OR-	3	or
7700:201	American Sign Language III		7700:102
	<i>Social Science Requirement</i>	3	
	<i>Area Studies & Cultural Diversity (Note f)</i>	2	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
7600:384	Communication Research (Note a, h)	3	7600:102 and 7600:115 C or better and math
	Intermediate Language II	3	Intermediate Language I
	-OR-	or	or
7700:202	American Sign Language IV – AND	3	7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students only
	<i>Natural Science Requirement</i>	4	
3400:210	<i>Humanities in the Western Tradition</i>		32 credits & 3300:112 or equivalent
	-OR-	4	
3400:221	<i>Humanities in the World Since 1300</i>		32 credits & 3300:112 or equivalent
7600:282	Radio Production	3	
Total		17	

3rd Year Fall Semester			
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Humanities Requirement</i>	3	
7600:283	Studio Production	3	7600:280
7600:287	Radio & TV Writing	3	3300:111 and 3300:112 C or better
7600:368	Basic Audio & Video Editing (Note h)	3	7600:280
	Minor Requirement (Note i)	3	
Total		17	

3rd Year Spring Semester			
7600:372	Single Camera Production (Note h)	3	7600:280 pre or co 7600:368
7600:378 or 7600:481	Topics in Media History (Note h) -OR- Film as Art (Note h)	3	
	<i>Humanities Requirement</i>	3	
7600:xxx	Media Production Requirement (Note d, h)	3	
	Minor Requirement (Note i)	3	
	Elective	3	
Total		18	

4th Year Fall Semester			
7600:468	Adv. Audio & Video Editing	3	7600:280, 7600:368, 7600:372
7600:xxx	Media Production Requirement (Note d, h)	3	
	Media Production Elective (Note g, h)	3	
	Minor Requirement (Note i)	3	
	Minor Requirement (Note i)	3	
Total		15	

4th Year Spring Semester			
7600:xxx	Media Production Requirement (Note d, h)	3	
	Media Production Elective (Note g, h)	3	
	Media Production Elective (Note g, h)	3	
	Minor Requirement (Note i)	3	
	Minor Requirement (Note i)	3	
Total		15	

	Total Credits for Degree	128 min	
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POLICY ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

- NOTES:**
- A grade of "C" or better is required **in order to graduate**.
 - For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
 - The School of Communication recommends 3470:250 Statistics for Everyday Life or 3470:260 Basic Statistics to meet the General Education mathematics requirement.
 - Media Production Requirements:
 - Complete 6 credits from: 7600:270, 284, 300, 302, 375, 416, 417, 462, 481, 493, 228, 230
 - Complete 3 credits from: 7600:378 or 481

- e. 7600:105, Introduction to Public Speaking; and, 7600:106, Effective Oral Communication are the required classes to meet the General Education Oral Communications requirement.
- f. The School of Communication recommends 7600:325 Intercultural Communication to meet part of the Area Studies and Cultural Diversity General Education requirement.
- g. Media Production Electives: Complete 9 credits of Production coursework from the College of Creative and Professional Arts (7000, 7500, 7600, 7800, 7900) selected in consultation with a faculty advisor.
- h. In order to assist major in graduating on time, only students in a degree granting college may take upper level (300/400) Communication courses.
- i. A student must complete two years of a foreign language or sign language and one of the following:
 - 1) A university approved minor (not a School of Communication minor) from the Undergraduate Bulletin.
 - 2) An earned associate/bachelor degree
 - 3) A second major not in Communication
- j. Demonstration of ability to use another language by completion of the second year of a foreign language.

School of Communication, Kolbe Hall 108, (330) 972-7600

Visit the School of Communication online at <http://www.uakron.edu/schlcomm>

College of Arts and Sciences Advising, CAS 118, 330-972-7880

Public Relations Writing: As of Fall 2010, 7600:300, Newswriting is the prerequisite for 7600:303, Public Relations Writing. Once it's completed, it will be counted as a Communication Elective

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.5 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron".

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language.

(Roberts)

Speech-Language Pathology & Audiology H70101BA/BAT

Bachelor of Arts and Bachelor of Arts in Speech-Language Pathology & Audiology-Tagged Degree (Note a)

The following information has official approval of the **School of Speech-Language Pathology and Audiology**, but is intended only as a supplemental guide.

* Pre-admission courses and 30 credits with a 2.75 GPA is required to be admitted into the program.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education/>

1 st Year	Fall Semester	Credit Hours	Prerequisites & ASHA Standards
7700:110	*Introduction to Disorders of Communication	3	
	<i>English Composition I requirement</i>	3	Appropriate placement by advisor
	<i>Speech/Oral Communication requirement</i>	3	
3100:200	*Human Anatomy and Physiology I Lecture (<i>Natural Science requirement</i>)	3	ASHA Standard IV-A, biological science
3100:201	* <i>Human Anatomy and Physiology I Lab (Natural Science requirement)</i>	1	
3750:100	* <i>Introduction to Psychology (Social Science requirement)</i>	3	ASHA Standard IV-A, social science
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites & ASHA Standards
	<i>English Composition II requirement</i>	3	3300:111 or equivalent
3100:202	* <i>Human Anatomy and Physiology II Lecture</i>	3	3100:200
3100:203	* <i>Human Anatomy and Physiology II Lab</i>	1	
3470:250	* <i>Statistics for Everyday Life or 3470:260 Basic Statistics (Quantitative Reasoning)</i>	4 (3)	ASHA Standard IV-A, statistics
3750:230	Developmental Psychology	4	3750:100, ASHA Standard IV-B, psychological development across the lifespan
Total		14-15	

2 nd Year	Fall Semester	Credit Hours	Prerequisites & ASHA Standards
7700:210	Introduction to Clinical Phonetics	4	
7700:230	Language Science & Acquisition	4	
7700:101	American Sign Language I (Note a)	3	Or Modern Language Requirement
2040:344	<i>Death and Dying (Social Science & Domestic Diversity)</i>	3	
Total		14	

2 nd Year	Spring Semester	Credit Hours	Prerequisites & ASHA Standards
7700:215	Introduction to Hearing and Speech Science	4	7700:210
7700:321	Articulatory & Phonologic Disorders	4	7700:110 and 7700:210
7700:330	Language Disorders	4	7700:230
7700:102	American Sign Language II (Note a)	3	Or Modern Language Requirement
	<i>Humanities Requirement</i>	3	See General Education Guide
Total		18	

3 rd Year	Fall Semester	Credit Hours	Prerequisites & ASHA Standards
7700:335	Principles of Audiology	4	7700:215
	<i>Arts Requirement</i>	3	(See General Education Guide)
7700:201	American Sign Language III (Note a)	3	Or Modern Language Requirement
7700:365	Anatomy and Physiology of Speech and Hearing Mechanism	3	3100:200, 3100:201, 3100:202, 3100:203
7700:366	Anatomy and Physiology of Speech and Hearing Mechanism Lab	1	7700:365, corequisite
Total		14	

3 rd Year		Spring Semester	
7700:345	Audiologic Treatment	4	7700:335
	<i>Critical Thinking Requirement</i>	3	
7700:202	American Sign Language IV (Note a)	3	Or Modern Language Requirement
	<i>Complex Systems Affecting Individuals in Society Requirement</i>	3	See General Education Guide
Total		14	

4 th Year		Fall Semester	
3650:133	<i>Music, Sound, and Physics (Natural Science Requirement)</i>	4	ASHA Standard IV-A, physical science
7700:446	Observation and Clinical Techniques (Note b) SLPA Elective	4	
7700:302	Assessment, Play, and Therapeutic Intervention with Children (Note a)	3	Recommended TAG course
7700:222	Survey of Deaf Culture (Note a)	2	
	<i>Humanities or Arts Requirement</i>	3	(See General Education Guide)
Total		14	

4 th Year		Spring Semester	
7700:442	Organic Disorders	4	7700:365
7700:445	Multicultural Considerations in Audiology and Speech-Language Pathology	3	No prerequisites
	<i>Global Diversity Requirement</i>	3	See General Education Guide
	Elective (Note c)	3-6	See advisor for list of recommended electives
Total		13-17	

	Minimum Credits for Degree	120	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. THE BACHELOR OF ARTS (BA) requires 14 credits of a foreign language: Spanish, French, German, Italian, or American Sign Language. A student may take courses from the Department of Modern Languages or the following American Sign Language courses: ASL 7700:101, 7700:102, 7700:201, 7700:202, and Survey of Deaf Culture 7700:222. The major also offers an option with no foreign language. THE BACHELOR OF ARTS IN SPEECH-LANGUAGE PATHOLOGY & AUDIOLOGY (BAT) does NOT require a foreign language. Instead the student completes 14 credits of coursework from schools within the College of Health Professions. Recommended areas include: Child Life, Nutrition/Dietetics, Nursing, Social Work, Applied Science and Technology, Psychology, or Sociology.
- b. To qualify for admission to this elective course, students must have senior status, an overall GPA of at least a 3.2, and a grade of at least a "B" in SLPA core coursework and ASHA Standard IV-A. Class/work schedule must allow for observations during business hours Monday-Friday.
- c. Elective hours required to get to 120 credits

School of Speech-Language Pathology and Audiology – Polsky Building 181, (330) 972-6803,
<http://www.uakron.edu/sslpa/>

Students are encouraged to contact, Mrs. Nancy Harris, Undergraduate Coordinator, School of Speech-Language Pathology and Audiology, nancy21@uakron.edu.

Current UA students can schedule an advising appointment through the following website:

<https://sharepoint.uanet.edu/UGSLPAAdvising/home.aspx>

UANet ID and password required for access to the site

SPEECH LANGUAGE PATHOLOGIST:

- Speech-language pathologists specialize in communication and swallowing disabilities of all types and work with people from infants through the elderly.
- Speech-language pathologists diagnose and treat people with problems in speech or language, swallowing, fluency, deafness and hearing loss, voice, and cognitive-communication disabilities due to brain injury or stroke.
- Speech-language pathologists also prescribe assistive technology for speaking, reading, and writing.
- The undergraduate curriculum provides a broad background in normal speech, hearing, and language development, and an introduction to the specific communication disorders and their management.
- With an undergraduate degree, some students enter sales or case management in various health-related businesses.

Students earn an M.A. to become a speech-language pathologist; the program takes two years to complete.

Graduate students take classes and participate in clinical preparation which includes a supervised clinic on campus as well as community-based externships in settings such as hospitals, nursing homes, schools, rehabilitation facilities, clinics and private practice.

Job Outlook: Upon obtaining certification from the American Speech-Language and Hearing Association and a license from the State of Ohio Board of Speech-Language Pathology and Audiology, jobs are available in many settings.

Employment settings include hospitals, rehabilitation facilities, nursing homes, home health agencies, early intervention programs, schools, clinics and private practices.

Speech-language pathology is listed among the fastest growing occupations by the United States Department of Labor.

The average starting salary for a speech-language pathologist is \$48,000 for an 11 to 12 month contract and \$42,000 for a nine month, school-based contract.

For more information, go to www.asha.org/public/speech.

AUDIOLOGIST:

- Audiologists are hearing care specialists who evaluate and treat individuals with hearing and balance disorders.
- Audiologists are to hearing as Optometrists are to vision.
- Audiologists diagnose hearing and balance disorders in infants, children and adults, and provide treatment including fitting hearing aids, dispensing assistive listening devices, mapping cochlear implants, and providing audiologic rehabilitation for children and adults.
- Audiologists work in a variety of health care settings such as private practices, hospitals, rehabilitation centers, schools, and physician's offices.

To practice, Audiologists must earn a Doctor of Audiology (Au.D.) degree.

The Doctor of Audiology degree is a 4 year post baccalaureate program that is offered through The University of Akron in conjunction with Kent State University and the Cleveland Clinic Foundation.

Graduate students take classes as well as participate in supervised clinical experiences, which take place in the campus clinic and in a wide variety of external sites.

Job Outlook: Audiology is listed among the fastest growing occupations by the United States Department of Labor.

Average starting salaries for audiologists is \$51,000.

For more information go to www.asha.org/public/hearing/gen_audiology.htm or www.audiology.org.

Follow UA College of Health Professions on Facebook and Twitter

On Twitter you can follow events and updates at [www.twitter.com/UA_CHP](https://twitter.com/UA_CHP)

Become a fan of UA College of Health Professions on Facebook! [facebook.com/UACHP](https://www.facebook.com/UACHP)

Follow UA School of Speech-Language Pathology and Audiology on Facebook and Twitter

Undergrad Twitter: <https://twitter.com/UASLPAundergrad>

Facebook SLPA: <https://www.facebook.com/uaslp>

Speech-Language Pathology & Audiology

H70101BA/BAT

Bachelor of Arts and Bachelor of Arts in Speech-Language Pathology & Audiology-Tagged Degree (Note a)

The following information has official approval of the **School of Speech-Language Pathology and Audiology**, but is intended only as a supplemental guide.

* Pre-admission courses and 30 credits with a 2.75 GPA is required to be admitted into the program.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/academics_majors/ub/general-education/

1 st Year	Fall Semester	Credit Hours	Prerequisites & ASHA Standards
7700:110	*Introduction to Disorders of Communication	3	
	<i>English Composition I requirement</i>	3	Appropriate placement by advisor
	<i>Speech/Oral Communication requirement</i>	3	
3100:200	*Human Anatomy and Physiology I Lecture (<i>Natural Science requirement</i>)	3	ASHA Standard IV-A, biological science
3100:201	*Human Anatomy and Physiology I Lab (<i>Natural Science requirement</i>)	1	
3750:100	*Introduction to Psychology (<i>Social Science requirement</i>)	3	ASHA Standard IV-A, social science
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites & ASHA Standards
	<i>English Composition II requirement</i>	3	3300:111 or equivalent
3100:202	*Human Anatomy and Physiology II Lecture	3	3100:200
3100:203	*Human Anatomy and Physiology II Lab	1	
3470:250	*Statistics for Everyday Life or 3470:260 Basic Statistics (Quantitative Reasoning)	4 (3)	ASHA Standard IV-A, statistics
3750:230	Developmental Psychology	4	3750:100, ASHA Standard IV-B, psychological development across the lifespan
Total		14-15	

2 nd Year	Fall Semester	Credit Hours	Prerequisites & ASHA Standards
7700:210	Introduction to Clinical Phonetics	4	
7700:230	Language Science & Acquisition	4	
7700:101	American Sign Language I (Note a)	3	Or Modern Language Requirement
2040:244	<i>Death and Dying (Social Science & Domestic Diversity)</i>	3	
Total		14	

2 nd Year	Spring Semester	Credit Hours	Prerequisites & ASHA Standards
7700:215	Introduction to Hearing and Speech Science	4	7700:210
7700:321	Articulatory & Phonologic Disorders	4	7700:110 and 7700:210
7700:330	Language Disorders	4	7700:230
7700:102	American Sign Language II (Note a)	3	Or Modern Language Requirement
	<i>Humanities Requirement</i>	3	See General Education Guide
Total		18	

3 rd Year	Fall Semester	Credit Hours	Prerequisites & ASHA Standards
7700:335	Principles of Audiology	4	7700:215
	<i>Arts Requirement</i>	3	(See General Education Guide)
7700:201	American Sign Language III (Note a)	3	Or Modern Language Requirement
7700:365	Anatomy and Physiology of Speech and Hearing Mechanism	3	3100:200, 3100:201, 3100:202, 3100:203
7700:366	Anatomy and Physiology of Speech and Hearing Mechanism Lab	1	7700:365, corequisite
Total		14	

3 rd Year		Spring Semester	
7700:345	Audiologic Treatment	4	7700:335
	<i>Critical Thinking Requirement</i>	3	
7700:202	American Sign Language IV (Note a)	3	Or Modern Language Requirement
	<i>Complex Systems Affecting Individuals in Society Requirement</i>	3	See General Education Guide
Total		14	

4 th Year		Fall Semester	
3650:133	<i>Music, Sound, and Physics (Natural Science Requirement)</i>	4	ASHA Standard IV-A, physical science
7700:446	Observation and Clinical Techniques (Note b) SLPA Elective	4	
7700:302	Assessment, Play, and Therapeutic Intervention with Children (Note a)	3	Recommended TAG course
7700:222	Survey of Deaf Culture (Note a)	2	
	<i>Humanities or Arts Requirement</i>	3	(See General Education Guide)
Total		14	

4 th Year		Spring Semester	
7700:442	Organic Disorders	4	7700:365
7700:445	Multicultural Considerations in Audiology and Speech-Language Pathology	3	No prerequisites
	<i>Global Diversity Requirement</i>	3	See General Education Guide
	Elective (Note c)	3-6	See advisor for list of recommended electives
Total		13-17	

	Minimum Credits for Degree	120	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

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- Speech-language pathologists also prescribe assistive technology for speaking, reading, and writing.
- The undergraduate curriculum provides a broad background in normal speech, hearing, and language development, and an introduction to the specific communication disorders and their management.
- With an undergraduate degree, some students enter sales or case management in various health-related businesses.

Students earn an M.A. to become a speech-language pathologist; the program takes two years to complete.

Graduate students take classes and participate in clinical preparation which includes a supervised clinic on campus as well as community-based externships in settings such as hospitals, nursing homes, schools, rehabilitation facilities, clinics and private practice.

Job Outlook: Upon obtaining certification from the American Speech-Language and Hearing Association and a license from the State of Ohio Board of Speech-Language Pathology and Audiology, jobs are available in many settings.

Employment settings include hospitals, rehabilitation facilities, nursing homes, home health agencies, early intervention programs, schools, clinics and private practices.

Speech-language pathology is listed among the fastest growing occupations by the United States Department of Labor.

The average starting salary for a speech-language pathologist is \$48,000 for an 11 to 12 month contract and \$42,000 for a nine month, school-based contract.

For more information, go to www.asha.org/public/speech.

AUDIOLOGIST:

- Audiologists are hearing care specialists who evaluate and treat individuals with hearing and balance disorders.
- Audiologists are to hearing as Optometrists are to vision.
- Audiologists diagnose hearing and balance disorders in infants, children and adults, and provide treatment including fitting hearing aids, dispensing assistive listening devices, mapping cochlear implants, and providing audiologic rehabilitation for children and adults.
- Audiologists work in a variety of health care settings such as private practices, hospitals, rehabilitation centers, schools, and physician's offices.

To practice, Audiologists must earn a Doctor of Audiology (Au.D.) degree.

The Doctor of Audiology degree is a 4 year post baccalaureate program that is offered through The University of Akron in conjunction with Kent State University and the Cleveland Clinic Foundation.

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For more information go to www.asha.org/public/hearing/gen_audiology.htm or www.audiology.org.

Follow UA College of Health Professions on Facebook and Twitter

On Twitter you can follow events and updates at [www.twitter.com/UA_CHP](https://twitter.com/UA_CHP)

Become a fan of UA College of Health Professions on Facebook! [facebook.com/UACHP](https://www.facebook.com/UACHP)

Follow UA School of Speech-Language Pathology and Audiology on Facebook and Twitter

Undergrad Twitter: <https://twitter.com/UASLPAundergrad>

Facebook SLPA: <https://www.facebook.com/uaslp>

Social Work B.A. H75001BA

The following information has official approval of the **School of Social Work**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

The Bachelor of Arts (B.A.) degree with a major in Social Work requires completion of two years of a language requirement and Spanish is recommended. The Bachelor of Arts degree in Social Work (B.A.S.W) does not require a language.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education/>

1 st Year	Fall Semester	Credit Hours	Prerequisites
*7750:275	Intro to Social Work Practice	3	
	<i>English Composition I Requirement</i> (Note a)	3	Appropriate placement by advisor
*3470:260 or *3470:250	<i>Basic Statistics</i> (Note a) -OR- <i>Statistics for Everyday Life</i> (recommended)	3 or 4	Appropriate placement by advisor
*3850:100	<i>Introduction to Sociology</i> (Note b)	3	
*3700:100 or *2040:242	<i>Government & Politics in the U.S.</i> (Note b) -OR- <i>American Urban Society</i>	4 or 3	
Total		15-17	

1 st Year	Spring Semester	Credit Hours	Prerequisites
*7750:270	<i>Diversity and Social Work</i> (also meets Domestic Diversity requirement)	3	
*7750:276	Introduction to Social Welfare	3	
	<i>English Composition II Requirement</i> (Note a)	3	3300:111 or equivalent
*3750:100 or *2040:240	Introduction to Psychology (Note b) -OR- Human Relations	3	
*3100:103	<i>Natural Science Biology (Lab)</i> (Note c)	4	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
*7750:427	Human Behavior & Social Environment I	3	
	<i>Speech/ Oral Communication Requirement</i>	3	
	Beginning Language I -OR-	4 or	
7700:101	American Sign Language I (Note d)	3	
	<i>Humanities</i> requirement	3	See General Education guide
	<i>Critical Thinking</i> requirement	3	
Total		15-16	

***Preadmission Requirements** – must be completed prior to admission into the Social Work major. ** A student may transfer to the School of Social Work as a *pending* major after completion of 30 credits and an overall GPA of at least a 2.75. Please note: **admission to the School of Social Work does not mean admission to the social work major. Pending Social Work majors will be assigned to the pending social work student advisor, Michele Thornton (972-8195 or mdt@uakron.edu).**

2nd Year		Spring Semester	
	Natural Science requirement (Note c)	3	
	Arts requirement	3	See General Education guide
7700:102	Beginning Language II -OR-	4 or	Beginning Language I or
	American Sign Language II (Note d)	3	7700:101
	Complex Systems Affecting Individuals in Society requirement	3	See General Education guide
	Global Diversity requirement	3	See General Education guide
Total		15-16	

3rd Year		Fall Semester	
7750:401	SWK Practice I	3	
7750:405	SWK Practice I Skills Lab	3	
7750:440	SWK Research I	3	Social Work major
7700:201	Intermediate Language I (Note d) -OR-	3	Beginning Language II or
	American Sign Language III		7700:102
7750:xxx	SWK Elective	3	
Total		15	

3rd Year		Spring Semester	
7750:402	SWK Practice II	3	7750:401, 7750:405
7750:441	SWK Research II	3	7750:440 or Permission from Instructor
7750:430	SWK HBSE II	3	Social Work major, 7750:427, or Permission from Instructor
7700:202	Intermediate Language II -OR-	3 or	Intermediate Language I or
	American Sign Language IV-- AND		7700:201
7700:222	Survey of Deaf Culture in America (Note d)	2	Sign Language students only
7750:445	Social Policy Analysis for Social Workers	3	Social Work major, Permission from Instructor
Total		15-17	

4th Year		Fall Semester	
7750:403	SWK Practice III	3	7750:401, 7750:405
7750:421	SWK Intro Field Experience	2	7750:401 and Permission of instructor. 7750:493, corequisite
7750:493	Field Experience: Social Agency I	3	7750:401, 7750:427 and Permission of Instructor. 7750:421, corequisite
7750:425	SWK Ethics	3	Social Work major, Permission from instructor
7750:4xx	SWK Elective	3	
Total		14	

4th Year		Spring Semester	
7750:404	SWK Practice IV	3	401, 405, Permission of Instructor
7750:422	SWK Field Experience Seminar II	2	421 and 493 Coreq 494
7750:494	SWK Field Experience: Social Agency II	3	493, 421 and Permission from Instructor
	Additional Arts <i>or</i> Humanities requirement	3	See General Education guide
	General electives+ (Note e)	2-3	
Total		15-17	

	Minimum Credits for Degree	120	
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+ Electives required to meet 120 total credits

ALERT: By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements

NOTES:

- a. While not required for transfer to the School of Social Work, the student **must** complete a General Education math and English requirements *prior to full admission to the Social Work major*. Any General Education math is accepted, but Statistics is recommended in preparation for Social Work Research I & II.
- b. Introduction to Sociology 3850:100, Government and Politics 3700:100 **OR** 2040:242 American Urban Society, **AND** Introduction to Psychology 3750:100 **OR** 2040:240 Human Relations, are requirements and will fulfill the Social Science requirement.
- c. Natural Science courses, including one human biology course, are required. This biology requirement can be met by completing Natural Science Biology, 3100:103; the remainder of the requirement may be met by several courses. Consult your adviser and appropriate General Education guide.
- d. The Bachelor of Arts degree with a major in Social Work requires completion of two years of a language requirement; Spanish is recommended. A student may also take the following sequence in Sign Language to meet the foreign language requirement: 7700:101, Intro: American Sign Language; 7700:102, American Sign Language I; 7700:201, American Sign Language II; 7700:202, Conversational American Sign Language (all sequential and 3 credits each); and 7700:222, Survey of Deaf Culture in America, 2 credits, no prerequisite. **The Bachelor of Arts degree in Social Work (B.A./S.W. 40795) does not require a language.**
- e. General Electives: These may be chosen from the following suggested disciplines: Anthropology (3230), Economics (3250), History (3400), Family & Consumer Sciences (7400), Political Science (3700), Psychology (3750), and Sociology (3850) or foreign language/Sign Language coursework taken from the Bachelor of Arts with a major in Social Work degree.

Associate degree, Minor, and certificate requirements may satisfy some of the general electives. Certificate programs in Pan African Studies, Gerontology (aging), Addictions and other fields can be scheduled within the elective framework of the curriculum.

There are coordinated curricular arrangements between this program and both the Associate in Community Services Technology and the Associate in Criminal Justice Technology programs offered in Summit College, as well as the Associate in Social Services Technology program at the Wayne General and Technical College.

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IN GENERAL: The Social Work major is an undergraduate professional program preparing students for entry-level practice positions in social service agencies employing Social Workers. **The undergraduate Social Work program is fully accredited by The Council on Social Work Education.** Social work is concerned with the restoration of human social and emotional functioning, with the provision of services to meet social needs and with the prevention of social dysfunctions. Most Social Workers function in agencies responding to specific social problems.

JOB DESCRIPTION: Job titles include caseworker, family worker, group worker, community organization worker, outreach worker, rehabilitation worker, probation worker, community health worker, counselor, child welfare worker, employment community service worker, fair housing coordinator, human relations worker, consumer services worker, etc. Job titles are varied but all relate to human needs in the area of social-emotional adjustment, development or protection, in the context of the individual, family, group, or community. Opportunities exist in the public and non-public sectors.

A Bachelor's degree is preparation for an entry-level position and for graduate study in Social Work. A student is encouraged to consider graduate level study to further his/her career opportunities. The University of Akron now offers a joint Master's degree program with Cleveland State University. **The Joint Master of Social Work Program is fully accredited by the Council on Social Work Education.**

All Social Workers in the state of Ohio are licensed by the state.

Salary Level: Depending on one's qualifications, experience, creativity and interests, there is a wide range of salaries possible at the entry-level, and upward mobility for the professional worker is fairly rapid. Entry-level salaries will range upward from \$20,000 to \$30,000 (BSW); \$40,000 to \$50,000 (MSW).

Social Work B.A.S.W. H75001BAT

The following information has official approval of the **School of Social Work**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

The Bachelor of Arts (B.A.) degree with a major in Social Work requires completion of two years of a language requirement and Spanish is recommended. The Bachelor of Arts degree in Social Work (B.A.S.W) does not require a language.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education/>

1 st Year	Fall Semester	Credit Hours	Prerequisites
*7750:275	Intro to Social Work Practice	3	
	<i>English Composition I Requirement (Note a)</i>	3	Appropriate placement by advisor
*3470:260 or *3470:250	<i>Basic Statistics (Note a)</i> -OR- <i>Statistics for Everyday Life</i>	3 or 4	Appropriate placement by advisor
*3850:100	<i>Introduction to Sociology (Note b)</i>	3	
*3700:100 or *2040:242	<i>Government & Politics in the U.S. (Note b)</i> -OR- <i>American Urban Society</i>	4 or 3	
Total		15-17	

1 st Year	Spring Semester	Credit Hours	Prerequisites
*7750:270	<i>Diversity and Social Work (also meets Domestic Diversity requirement)</i>	3	
*7750:276	Introduction to Social Welfare	3	
	<i>English Composition II Requirement (Note a)</i>	3	3300:111 or equivalent
*3750:100 -OR- *2040:240	Introduction to Psychology (Note b) -OR- Human Relations	3	
*3100:103	<i>Natural Science Biology (Lab) (Note c)</i>	4	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
*7750:427	Human Behavior & Social Environment I	3	
	<i>Speech/ Oral Communication Requirement</i>	3	
	<i>Humanities requirement</i>	3	See General Education guide
	<i>Critical Thinking Requirement</i>	3	
Total		12	

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2 nd Year	Spring Semester	Credit Hours	Prerequisites
	<i>Natural Science requirement (Note c)</i>	3	See General Education guide
	<i>Arts requirement</i>	3	See General Education guide
	Complex Systems Affecting Individuals in Society Requirement	3	See General Education guide
	<i>Global Diversity requirement</i>	3	See General Education guide
Total		12	

3 rd Year Fall Semester			
7750:401	SWK Practice I	3	
7750:405	SWK Practice I Skills Lab	3	
7750:440	SWK Research I	3	Social Work major
7750:xxx	SWK Elective	3	
	General electives+ (Note d)	3-5	
Total		15-17	

3 rd Year Spring Semester			
7750:402	SWK Practice II	3	7750:401, 7750:405
7750:441	SWK Research II	3	7750:440 or Permission from Instructor
7750:430	SWK HBSE II	3	Social Work major, 7750:427, or Permission from Instructor
7750:445	Social Policy Analysis for Social Workers	3	Social Work major, Permission from Instructor
	General electives+ (Note d)	3-5	
Total		15-17	

4 th Year Fall Semester			
7750:403	SWK Practice III	3	7750:401, 7750:405
7750:421	SWK Intro Field Experience	2	7750:401 and Permission of instructor. 7750:493, corequisite
7750:493	Field Experience: Social Agency I	3	7750:401, 7750:427 and Permission of Instructor. 7750:421, corequisite
7750:425	SWK Ethics	3	Social Work major, Permission from instructor
7750:4xx	SWK Elective	3	
Total		14	

4 th Year Spring Semester			
7750:404	SWK Practice IV	3	401, 405, Permission of Instructor
7750:422	SWK Field Experience Seminar II	2	421 and 493 Corequisite 494
7750:494	SWK Field Experience: Social Agency II	3	493, 421 and Permission from Instructor
	Additional <i>Arts or Humanities</i> requirement	3	See General Education guide
	General electives+ (Note d)	3-5	
Total		14-16	

	Minimum Credits for Degree	120	
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+ Electives required to meet 120 total credits

ALERT: By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements

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Theatre, BAT (C80002BAT) Checklist

General Education Requirements (34 credits)	
Students must complete English, Mathematics, and Speech requirements during the first 48 credit hours.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses)	
7800:264 Playscript and Performance Analysis (3 cr)	
Social Sciences: (6 cr -2 courses)	
Natural Sciences: (7 cr -2 courses)	
TAGS (one class each)	
Critical Thinking (CT)	
Complex Systems (CS)	
Domestic Diversity (DD)	
7800:467 Multicultural Theatre (3 cr)	
Global Diversity (GD)	
7600:335 History of Theatre and Dramatic Literature I (3 cr)	
7800:435 History of Theatre and Dramatic Literature II (3 cr)	
College of Arts & Sciences Requirements	
300/400 Upper Division Requirement: (40 cr)	
Theatre Requirements	
Theatre core (40 cr):	
7800:100 Experiencing Theatre (2 cr)	
7500:103 Theatre Orientation (0 cr)	
7800:108 Introduction to the Visual Arts of World Theatre (3 cr)	
7800:145 Ensemble Theatre Lab (3 cr)	
7800:172 Acting I (3 cr)	
7800:264 Playscript and Performance Analysis (ART , 3 cr)	
7800:265 Basic Stagecraft (3 cr)	
7800:274 Digital Technology for Theatre (3 cr)	

7800:335 History of Theatre and Dramatic Literature I (GD , 3 cr)	
7800:370 Directing I (3 cr)	
7800:435 History of Theatre and Dramatic Literature II (GD , 3 cr)	
7800:471 Senior Seminar (1 cr)	
7800:476 Theatre and Community Action (3 cr)	
7810:xxx Production/Performance Lab (3 must be Production Labs)	
Theatre Electives (choose 12 cr):	
7800:151 Vocal Dynamics (3 cr)	
7800:301 Introduction to Theatre through Film (3 cr)	
7800:306 Costume Design for the Performing Arts and Media (3 cr)	
7800:336 Scenic Design for the Performing Arts and Media (3 cr)	
7800:351 Advanced Ensemble Theatre Lab (3 cr)	
7800:355 Lighting Design and Technology (3 cr)	
7800:373 Acting II (3 cr)	
7800:374 Acting III (3 cr)	
7800:403 Special Topics in Theatre Arts (1-3 cr)	
7800:433 Theatre Organization and Production Management (3 cr)	
7800:436 Styles of Scenic Design for the Performing Arts and Media (3 cr)	
7800:455 Creating Performance (3 cr)	
7800:461 Directing II (3 cr)	
7800:467 Multi-Cultural Theatre (DD , 3)	
7800:480 Independent Study: Theatre Arts (1-3 cr)	
7800:490/590 Workshop in Theatre Arts (1-3 cr)	
7800:495 Senior Honors Project in Theatre (1-3 cr)	
TAG (14 cr):	
14 credits can be selected from above theatre electives or credits from other disciplines, in consultation with advisor.	
Electives	
xxxx:xxx Free Electives (20 total cr)	
120 Credit Minimum	

Theatre, Theatre and Film Studies option BAT (C80101BAT) Checklist

General Education Requirements (34 credits)	
Students must complete English, Mathematics, and Speech requirements during the first 48 credit hours.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses)	
7800:264 Playscript and Performance Analysis (3 cr)	
Social Sciences: (6 cr -2 courses)	
Natural Sciences: (7 cr -2 courses)	
TAGS (one class each)	
Critical Thinking (CT)	
Complex Systems (CS)	
Domestic Diversity (DD)	
7800:467 Multicultural Theatre (3 cr)	
Global Diversity (GD)	
7600:335 History of Theatre and Dramatic Literature I (3 cr)	
7800:435 History of Theatre and Dramatic Literature II (3 cr)	
College of Arts & Sciences Requirements	
300/400 Upper Division Requirement: (40 cr)	
Theatre Requirements	
Theatre core (40 cr):	
7800:100 Experiencing Theatre (2 cr)	
7500:103 Theatre Orientation (0 cr)	
7800:108 Introduction to the Visual Arts of World Theatre (3 cr)	
7800:145 Ensemble Theatre Lab (3 cr)	
7800:172 Acting I (3 cr)	
7800:264 Playscript and Performance Analysis (ART , 3 cr)	
7800:265 Basic Stagecraft (3 cr)	
7800:274 Digital Technology for Theatre (3 cr)	

7800:335 History of Theatre and Dramatic Literature I (GD , 3 cr)	
7800:370 Directing I (3 cr)	
7800:435 History of Theatre and Dramatic Literature II (GD , 3 cr)	
7800:471 Senior Seminar (1 cr)	
7800:476 Theatre and Community Action (3 cr)	
7810:xxx Production/Performance Lab (3 must be Production Labs)	
Interdisciplinary Option (26 cr):	
Choose 12 credits from the following:	
7800:301 Introduction to Theatre through Film (3 cr)	
7800:306 Costume Design for the Performing Arts and Media (3 cr)	
7800:336 Scenic Design for the Performing Arts and Media (3 cr)	
7800:355 Lighting Design and Technology (3 cr)	
7800:461 Directing II (3 cr)	
7800:467 Multi-Cultural Theatre (DD , 3 cr)	
Choose 14 credits from the following:	
3300:283 Film Appreciation (3 cr)	
3300:380 Film Criticism (3 cr)	
3300:440 Women and Film (3 cr)	
3300:460 Film and Literature (3 cr)	
3520:413 French Cinema (3 cr)	
3501:210 Arabic Culture through Film (HUM , 2 cr)	
3502:210 Chinese Culture through Film (HUM , 2 cr)	
3560:210 Japanese Culture through Film (HUM , 2 cr)	
Electives	
xxxx:xxx Free Electives (20 total cr)	
120 Credit Minimum	

Theatre, Physical Theatre option BAT (C80102BAT) Checklist

General Education Requirements (34 credits)	
Students must complete English, Mathematics, and Speech requirements during the first 48 credit hours.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses)	
7800:264 Playscript and Performance Analysis (3 cr)	
Social Sciences: (6 cr -2 courses)	
Natural Sciences: (7 cr -2 courses)	
TAGS (one class each)	
Critical Thinking (CT)	
Complex Systems (CS)	
Domestic Diversity (DD)	
7800:467 Multicultural Theatre (3 cr)	
Global Diversity (GD)	
7600:335 History of Theatre and Dramatic Literature I (3 cr)	
7800:435 History of Theatre and Dramatic Literature II (3 cr)	
College of Arts & Sciences Requirements	
300/400 Upper Division Requirement: (40 cr)	
Theatre Requirements	
Theatre core (40 cr):	
7800:100 Experiencing Theatre (2 cr)	
7500:103 Theatre Orientation (0 cr)	
7800:108 Introduction to the Visual Arts of World Theatre (3 cr)	
7800:145 Ensemble Theatre Lab (3 cr)	
7800:172 Acting I (3 cr)	
7800:264 Playscript and Performance Analysis (ART , 3 cr)	
7800:265 Basic Stagecraft (3 cr)	
7800:274 Digital Technology for Theatre (3 cr)	

7800:335 History of Theatre and Dramatic Literature I (GD , 3 cr)	
7800:370 Directing I (3 cr)	
7800:435 History of Theatre and Dramatic Literature II (GD , 3 cr)	
7800:471 Senior Seminar (1 cr)	
7800:476 Theatre and Community Action (3 cr)	
7810:xxx Production/Performance Lab (3 must be Production Labs)	
Interdisciplinary Option (26 cr):	
7800:351 Advanced Ensemble Theatre Lab (3 cr)	
7800:373 Acting II (3 cr)	
7800:374 Acting III (3 cr)	
7800:455 Creating Performance (3 cr) OR	
7800:467 Multi-Cultural Theatre (DD , 3 cr)	
7900:xxx Ballet, Modern, Jazz, or Tap Technique (8 cr)	
7900: xxx Somatics, World Dance, Ballroom (6 credits)	
Electives	
xxxx:xxx Free Electives (20 total cr)	
120 Credit Minimum	

Theatre, Applied Theatre and Business Entrepreneurship option (C80103BAT) Checklist

General Education Requirements (34 credits)	
Students must complete English, Mathematics, and Speech requirements during the first 48 credit hours.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses)	
7800:264 Playscript and Performance Analysis (3 cr)	
Social Sciences: (6 cr -2 courses)	
Natural Sciences: (7 cr -2 courses)	
TAGS (one class each)	
Critical Thinking (CT)	
Complex Systems (CS)	
Domestic Diversity (DD)	
7800:467 Multicultural Theatre (3 cr)	
Global Diversity (GD)	
7600:335 History of Theatre and Dramatic Literature I (3 cr)	
7800:435 History of Theatre and Dramatic Literature II (3 cr)	
College of Arts & Sciences Requirements	
300/400 Upper Division Requirement: (40 cr)	
Theatre Requirements	
Theatre core (40 cr):	
7800:100 Experiencing Theatre (2 cr)	
7500:103 Theatre Orientation (0 cr)	
7800:108 Introduction to the Visual Arts of World Theatre (3 cr)	
7800:145 Ensemble Theatre Lab (3 cr)	
7800:172 Acting I (3 cr)	
7800:264 Playscript and Performance Analysis (ART , 3 cr)	
7800:265 Basic Stagecraft (3 cr)	
7800:274 Digital Technology for Theatre (3 cr)	

7800:335 History of Theatre and Dramatic Literature I (GD , 3 cr)	
7800:370 Directing I (3 cr)	
7800:435 History of Theatre and Dramatic Literature II (GD , 3 cr)	
7800:471 Senior Seminar (1 cr)	
7800:476 Theatre and Community Action (3 cr)	
7810:xxx Production/Performance Lab (3 must be Production Labs)	
Interdisciplinary Option (28 cr):	
Required Theatre Courses (13 cr):	
7800:433 Theatre Organization and Management (3 cr)	
7800:455 Creating Performance (3 cr)	
7800:461 Directing II (3 cr)	
7800:467 Multi-Cultural Theatre (DD , 3 cr)	
7810:xxx Production Lab (1 cr)	
Entrepreneurship Certificate (15 cr):	
6300:201 Introduction to Entrepreneurship (3 cr)	
6300:301 New Venture Creation (3 cr)	
6600:275 Professional Selling (3 cr)	
6100:101 Business Issues in a Connected World (3 cr)	
6140:300 Introduction to Finance (3 cr)	
Electives	
xxxx:xxx Free Electives (18 total cr)	
120 Credit Minimum	

Theatre, Applied Theatre and Socials Entrepreneurship option (C80104BAT) Checklist

General Education Requirements (34 credits)	
Students must complete English, Mathematics, and Speech requirements during the first 48 credit hours.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses)	
7800:264 Playscript and Performance Analysis (3 cr)	
Social Sciences: (6 cr -2 courses)	
Natural Sciences: (7 cr -2 courses)	
TAGS (one class each)	
Critical Thinking (CT)	
Complex Systems (CS)	
Domestic Diversity (DD)	
7800:467 Multicultural Theatre (3 cr)	
Global Diversity (GD)	
7600:335 History of Theatre and Dramatic Literature I (3 cr)	
7800:435 History of Theatre and Dramatic Literature II (3 cr)	
College of Arts & Sciences Requirements	
300/400 Upper Division Requirement: (40 cr)	
Theatre Requirements	
Theatre core (40 cr):	
7800:100 Experiencing Theatre (2 cr)	
7500:103 Theatre Orientation (0 cr)	
7800:108 Introduction to the Visual Arts of World Theatre (3 cr)	
7800:145 Ensemble Theatre Lab (3 cr)	
7800:172 Acting I (3 cr)	
7800:264 Playscript and Performance Analysis (ART , 3 cr)	
7800:265 Basic Stagecraft (3 cr)	
7800:274 Digital Technology for Theatre (3 cr)	

7800:335 History of Theatre and Dramatic Literature I (GD , 3 cr)	
7800:370 Directing I (3 cr)	
7800:435 History of Theatre and Dramatic Literature II (GD , 3 cr)	
7800:471 Senior Seminar (1 cr)	
7800:476 Theatre and Community Action (3 cr)	
7810:xxx Production/Performance Lab (3 must be Production Labs)	
Interdisciplinary Option (28 cr):	
Required Theatre Courses (12 cr):	
7800:351 Advanced Ensemble Theatre Lab (3 cr)	
7800:433 Theatre Organization and Management (3 cr)	
7800:455 Creating Performance (3 cr)	
7800:467 Multi-Cultural Theatre (DD , 3 cr)	
Conflict Transformation and Social Entrepreneurship Certificate (16 cr):	
3700:334 Law, Mediation, and Violence (3 cr)	
3700:333 Social Entrepreneurship (3 cr) OR	
6300:301 New Venture Creation (3 cr)	
3850:490 Organizations, Community, and Social Action (3 cr)	
3230:460 Field Methods in Cultural Anthropology (4 cr)	
Experiential Learning Component (3 cr) Internship or Service Learning Project can be completed in any department with director's approval.	
Electives	
xxxx:xxx Free Electives (18 total cr)	
120 Credit Minimum	

College of Applied Science and Technology

AUTOMATED MANUFACTURING ENGINEERING TECHNOLOGY

287103BS

Bachelor of Science Degree

http://www.uakron.edu/summitcollege/engineering_tech/automated-manufacturing-technology/

A completed Associate of Applied Science Degree in Manufacturing Engineering Technology is a requirement of the Automated Manufacturing Engineering Technology Bachelor of Science Degree. Please refer to the Manufacturing Engineering Technology, Associate of Applied Science Curriculum Guide for further information.

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at [http://www.uakron.edu/advising/docs/General Education Guide.pdf](http://www.uakron.edu/advising/docs/General_Education_Guide.pdf).

3 rd Year		Fall Semester	
3400:210	<i>Humanities in the Western Tradition</i>	4	32 credits & 3300:112 or equivalent
	-OR-		
3400:221	<i>Humanities in the World Since 1300</i>		32 credits & 3300:112 or equivalent
2030:154	Technical Mathematics IV	3	2030:153 or equivalent with grade of C- or better or placement by Advisor
2820:111	<i>Introductory Chemistry (Note a.)</i>	3	2030:152 co-requisite
2860:370	<i>Survey of Electronics I (Note a.)</i>	3	2820:163
2920:101	<i>Introduction to Mechanical Design (Note a.)</i>	3	Prerequisite: 2940:121; Corequisite: 2030:154
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
Total		18	

3 rd Year		Spring Semester	
	<i>Humanities Electives</i>	3	
	<i>Humanities Electives</i>	3	
2030:255	Technical Calculus I	3	2030:153 or equivalent with grade of C- or better or placement by Advisor
2870:311	Facilities Planning (Note b.)	3	2940:210 or 2940:180
2920:310	Economics of Technology	3	64 credits or permission
2940:211	Computer Aided Drawing II (Note b.)	3	2940:210
Total		18	

4 th Year		Fall Semester	
	Technical Elective (Note c.)	3	
2870:332	Management of Technology Based Operations	3	
2870:470	Simulation of Manufacturing Systems (Note a.)	3	2880:211 or permission
2870:448	CNC Programming II (Note a.)	3	2870:348
2920:370	Plastics Design & Process (Note a.)	3	2820:111 or permission
2870:441	Adv. Quality Practices (Note a.)	3	2880:241 or permission
Total		18	

4 th Year Spring Semester			
	<i>Area Studies/Cultural Diversity Requirement</i>	2	2020:121 or equivalent
2870:301	Computer Control of Automated Systems (Note b.)	3	
2870:480	Automated Production (Note b.)	3	2880:211 or Senior status
2870:490	Manufacturing Project (Note b.)	2	Senior status
2920:347	Production Machinery & Processes (Note b.)	3	2030:255 and permission
	Technical Elective (Note c.)	3	
Total		16	

	Total Credits for Degree	136	Associate Degree 66 Third & Fourth Credits 70
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POLICY ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

Note a. Fall course offering only

Note b. Spring course offering only

Note c. Technical Electives

2030:356	Technical Calculus II	3	2030:255 or equivalent with a grade of C- or better, or placement test
2040:247	Survey of Basic Economics	3	
2040:251	Human Behavior at Work	3	
2420:202	Elements of Human Resource Management	3	2420:103 or permission
2420:211	Basic Accounting I	3	
2420:212	Basic Accounting II	3	2420:211
2420:280	Essentials of Business law	3	
2820:310	Programming for Technologists	2	2820:131 and 2030:255
2920:142	Introduction to Material Technology	3	
2920:251	Fluid Power	2	2820:162, 164
2920:252	Thermo Fluids Lab	1	2920:251; Co-requisite: 249
2920:470	Plastics Processing and Testing	3	2920:370 or permission.
2990:125	Statics	3	2820:162 and 2030:153
3470:261	Introductory Statistics I	2	Appropriate placement determined by adviser
3470:262	Introductory Statistics II	2	3470:261
2520:101	Essentials of Marketing Tech	3	

PROGRAM CONTACT

Contact Information: Program Director, Mr. Daniel E. Kandray, Schrank Hall (South) 221, 330/972-7073, or kandray@uakron.edu

The student is urged to consult The University of Akron Bulletin and the University College General Education requirements to ensure that all requirements for graduation are met. Students enter the Bachelor of Science AMET program from different associate degree programs, and therefore may have different General Education requirements remaining.

* If General Education "Science" requirements have not been met, then the student should select a science course(s) that meets these requirements.

** 7600:105 (106) or 2040:247, whichever remains as a requirement. (See your adviser.)

*** If lack of prerequisite course in your associate degree program prevents you from registering for this College of Business course, see your adviser for an alternate course.

Automated Manufacturing Engineering Technology – Bachelor of Science

Required Bridgework:

1. Completion of an associate degree program in engineering, science, or business technology (or related) or the first two years of a bachelor degree program with a minimum grade point average of 2.0.
2. Completed with a minimum grade of “C” 2880:241, Introduction to Quality Assurance or equivalent.
3. Completed with a minimum grade of “C” 2880:110, Manufacturing Processes or equivalent.
4. Completed with a minimum grade of “C” 2870:348, CNC Programming I or equivalent.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE AND TECHNOLOGY (FORMERLY SUMMIT COLLEGE): To be admitted to the college, a student must have a 2.0 or better overall GPA.

A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

(Thorman/Kandray)

Dance, BFA in Dance (C9000BFA) Checklist

General Education Requirements (34 credits)	
Students must complete English, Mathematics, and Speech requirements during the first 48 credit hours.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses)	
Recommend 3400:210 or 221 and 3600:101	
Social Sciences: (6 cr -2 courses)	
Recommended 3750:100	
Natural Sciences: (7 cr -2 courses)	
Recommended 3100:200, 201 and 7760:133	
TAGS (one class each)	
Critical Thinking (CT)	
Complex Systems (CS)	
Domestic Diversity (DD)	
Global Diversity (GD)	
College of Arts & Sciences Requirements	
300/400 Upper Division Requirement: (40 cr)	
Dance Requirements	
Ballet Technique (28 credits with two semesters of Ballet VIII with grade of B or better)	
7900:xxx Ballet (4 cr)	
7900:422 Ballet VIII (4 cr)	
7900:422 Ballet VIII (4 cr)	
Modern Technique	
7900:228 Modern V (3 cr)	
7900:229 Modern VI (3 cr)	
7900:328 Modern VII (3 cr)	
7900:329 Modern VIII (3 cr)	
Jazz and Tap (choose one course for 2 credits)	
7900:xxx Jazz I-IV (2 cr) OR	
7900:xxx Tap I-IV (2 cr)	

Somatics, World Dance, and Other	
7900:xxx Dance Somatics (1 cr)	
7900:111 Topics in World Dance (1 cr)	
7900:xxx Pointe I or II (2 cr) OR	
7900:334 Pas de Deux (2 cr)	
7900:333 Partnering (2 cr)	
Dance Lecture Courses	
7900:103 Dance Orientation (0 cr)	
7910:201 Freshman Jury (0 cr)	
7900:115 Dance as an Art Form (2 cr)	
7900:116 Physical Analysis for Dance I (2 cr)	
7900:117 Physical Analysis for Dance II (2 cr)	
7900:274 Digital Technology for Dance (3 cr)	
7900:361 Learning Theory for Dance (2)	
7900:362 Instructional Strategies for Dance (2 cr)	
7900:445 Dance Philosophy and Criticism (3 cr)	
7900:320 Movement Fundamentals (2 cr) OR	
7900:321 Rhythmic Analysis (2 cr)	
7900:471 Senior Seminar (1 cr)	
7900:432 History of Ballet (2 cr)	
7900:433 Dance History: 20 th Century (2 cr)	
7910:200 BFA Audition (0 cr)	
7900:316 Choreography I (2 cr)	
7900:317 Choreography II (2 cr)	
7900:416 Choreography III (2 cr)	
7900:417 Choreography IV (2 cr)	
Dance Organizations (5 credits minimum)	
7910:112 Dance Production Ensemble (1 cr)	
7910:xxx (1 cr)	
7910:xxx (1 cr)	
7910:xxx (1 cr)	
7910:xxx (1 cr)	
Electives	
xxxx:xxx Free Elective (7 cr)	
126 Credit Minimum	

Dance, BA in Dance with Business Cognate (C90002BA) Checklist

General Education Requirements (34 credits)	
Students must complete English, Mathematics, and Speech requirements during the first 48 credit hours.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses)	
Recommend 3400:210 or 221 and 3600:101	
Social Sciences: (6 cr -2 courses)	
Recommended 3750:100	
Natural Sciences: (7 cr -2 courses)	
Recommended 3100:200, 201 and 7760:133	
TAGS (one class each)	
Critical Thinking (CT)	
Complex Systems (CS)	
Domestic Diversity (DD)	
Global Diversity (GD)	
College of Arts & Sciences Requirements	
300/400 Upper Division Requirement: (40 cr)	
Business Cognate (9 credits)	
Nine credits to be selected from the following business minors:	
Entrepreneurship	
Business Administration for Non-Business Majors	
Pre-MBA for Non –Business Majors	
Sales Management	
Consumer Marketing	
Dance Requirements	
Ballet Technique (Ballet III-V) 14 credits with two semesters of Ballet V	
79xx:xxx Ballet (3-4 cr)	
79xx:xxx Ballet (3-4 cr)	
7900:122 Ballet V (4 cr)	
7900:122 Ballet V (4 cr)	
Modern Technique (Modern III-V) 9 credits with one semester of Modern V	
79xx:xxx Modern (2-3 cr)	
79xx:xxx Modern (2-3 cr)	
79xx:xxx Modern (2-3 cr)	

7900:228 Modern V (3 cr)	
Jazz and Tap	
7900:130 Jazz I (2 cr)	
7900:230 Jazz II (2 cr)	
7900:144 Tap I (2 cr)	
7900:145 Tap II	
Somatics, World Dance, and Other	
7900:xxx Dance Somatics (1 cr)	
7900:xxx Dance Somatics (1 cr)	
7900:111 Topics in World Dance (1 cr)	
7900:111 Topics in World Dance (1 cr)	
7900:333 Partnering (2 cr)	
7900:150 Ballroom Dance (1 cr)	
Dance Lecture Courses	
7900:103 Dance Orientation (0 cr)	
7910:201 Freshman Jury (0 cr)	
7900:115 Dance as an Art Form (2 cr)	
7900:116 Physical Analysis for Dance I (2 cr)	
7900:117 Physical Analysis for Dance II (2 cr)	
7900:274 Digital Technology for Dance (3 cr)	
7900:361 Learning Theory for Dance (2)	
7900:362 Instructional Strategies for Dance (2 cr)	
7900:445 Dance Philosophy and Criticism (3 cr)	
7900:320 Movement Fundamentals (2 cr) OR	
7900:321 Rhythmic Analysis (2 cr)	
7900:471 Senior Seminar (1 cr)	
7900:432 History of Ballet (2 cr)	
7900:433 Dance History: 20 th Century (2 cr)	
7900:316 Choreography I (2 cr)	
7900:317 Choreography II (2 cr)	
Dance Organizations (5 credits minimum)	
7910:112 Dance Production Ensemble (1 cr)	
7910:111 Touring Ensemble (2 cr); two semesters	
7910:xxx (1 cr)	
7910:xxx (1 cr)	
7910:xxx (1 cr)	
121 Credit Minimum	

Students pursuing this degree must select a college of residence, and devise a proposed program of study with an adviser in the college selected. The proposal must be approved by the University Interdisciplinary Studies Committee. This degree may be pursued in Summit College, Buchtel College of Arts and Sciences, College of Health Sciences and Human Services and the College of Creative and Professional Arts.

Required:

- A minimum of 128 semester credits with a minimum grade point average of 2.0 at The University of Akron and a 2.0 average in all college level work.
- Completion of 42 credits in the General Education program as required of all baccalaureate students.
- A minimum of 47 credits in 300- and/or 400-level courses.
- Core requirements — A minimum of 63 credits, divided among three areas of study selected by the student with the advice and approval of the appropriate academic advisers. The emphasis may be selected among the participating degree-granting colleges.
- Emphasis — The student must select an area of emphasis in a four-year program which will be designated as the college “host.” He/she must take 21-28 credits in an emphasis program.
- Cognates — The student must take at least 21 hours in two other areas in an individually structured, interdisciplinary or disciplinary program of study outside the student’s emphasis field. The student proposes courses that focus in a common theme, which is a reasonable program of study to meet his/her unique educational goals. The 63 credits will include 12 credits of 300- and/or- 400 level courses in each of the student’s cognate areas.
- A minimum of 14 credits of coursework in a foreign culture.

There are two options for courses that would be applicable to this area:

Option A — Completion of a second year of a foreign language on the University level or by demonstrating equivalent competency. The competency test is to be approved by the Department of Modern Languages.

Option B — Some courses currently listed in the Undergraduate Bulletin may be used to fulfill the 14-credit minimum:

Credits

3230:358 Indians of North America 3
3250:461 Principles of International Economics 3
3350:353 Latin America 3
3350:356 Europe 3
3350:360 Asia 3
3350:363 Africa South of Sahara 3
3400:301 Modern China 3
3400:303 Modern East Asia 3
3400:325 Women in Modern Europe 3
3400:336 Russia since 1801 3
3400:337 France from Napoleon to DeGaulle 3
3400:381 History of Canada 3
3400:416 Modern India 3
3400:473 Latin America: The 20th Century 3
3400:476 Central America and the Caribbean 3
3700:321 European Politics 3
3700:405 Politics in the Middle East 3
6800:305 International Business 3
7100:301 Medieval Art 3
7100:302 Art in Europe during the 17th and 18th Centuries 3
7100:303 Italian Renaissance Art 3
7100:306 Renaissance Art in Northern Europe 3
7600:325 Intercultural Communication 3
This list is not exhaustive. Students may propose other courses.

Associate of Arts

Associate of Arts Degree (202000AA)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. At least 36 credits of the General Education requirement must be courses that are part of The University of Akron's Ohio Transfer Module. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent. Numbers listed in parentheses denote credit hours for each course.

Year 1 Fall	Prerequisite
2020:121 English (3)	Appropriate placement by Advisor
2030:152 Technical Mathematics II (2) -AND- 2030:153 Technical Mathematics III (2) (Note a) -OR- 2030:161 Mathematics for Modern Technology (4) (Note a)	Appropriate placement by Advisor
2040:240 Human Relations (3) (Note d)	
2420:263 Professional Communications and Presentations (3)	Prerequisite or corequisite: 2020:121 or 3300:111
Electives (3) (Note b)	
Total Credits = 16	

Year 1 Spring	Prerequisite
2020:222 Technical Report Writing (3)	2020:121 or 3300:110 or 3300:111 or equivalent
2040:241 Technology and Human Values (3) -OR- 2040:242 American Urban Society (3) -OR- 2040:243 Contemporary Global Issues (3) -OR- 2040:247 Survey of Basic Economics (3) (Note d)	
2040:244 Death and Dying (3) -OR- 2040:254 Black Experience 1619-1877 (2) -OR- 2040:256 Diversity in American Society (3) -OR- 2040:257 Black Experience 1877-1954 (2) -OR- 2040:258 Black Experience 1954-Present (2) (Note a)	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
Electives (6-7) (Notes b & c)	
Total Credits = 15	

Year 2 Fall	Prerequisite
Natural Science Requirement with Lab (4) (Note e)	
Humanities Requirement (3 or 4) (Note f)	
Electives (6-7) (Note b)	
Total Credits = 14	

Year 2 Spring	Prerequisite
Natural Science Requirement without Lab (3) (Note e)	
3300:252 Shakespeare and His World (3) -OR- 3600:101 Introduction to Philosophy (3) -OR- Arts or Humanities Requirement (3) (Note f)	For 3300:252 only: 3300:111 and 3300:112 or their equivalents (2020:121 and 2020:222), and 3400:210 or 3400:221
7100:210 Visual Arts Awareness (3) -OR- 7500:201 Exploring Music, Bach to Rock (3) -OR- 7900:200 Viewing Dance (3) -OR- Arts Requirement (3) (Note f)	3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221
Electives (6) (Note b)	
Total Credits = 15	

Total Credits for Degree = 60 minimum
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Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.
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**You must have a minimum cumulative GPA
of a 2.0 to graduate with this degree.**

Notes:

- If you take a 3-credit mathematics course, then you must take a Domestic Diversity course from the Ohio Transfer Module (2040:244 Death & Dying, 2040:254 Black Experience 1619-1877, or 2040:256 Diversity in American Society) or an additional course from the Ohio Transfer Module.
- 21-22 elective credits are required. You may choose any electives, but they should be in some logical sequence that leads towards an upper college degree program.
- If you take 3400:210 or 3400:221 in Year 2 Fall, you must complete 32 credit hours in your first year to meet the prerequisite.
- If you take a Social Sciences Equivalent course, it must be a course in the Ohio Transfer Module.
- Seven hours of science are required. A majors-track course in the natural sciences from the Ohio Transfer Module can substitute for a General Education Natural Science course.
- The Arts or Humanities Requirement must be a course in the Ohio Transfer Module.
- This degree requires that you take a minimum 36 credit hours of courses in the Ohio Transfer Module.

Contact Information

Program Coordinator - Dr. Katie Cerrone, Polsky 131, 330-972-8809 or kc24@uakron.edu

Career Information

There are many careers a student can pursue with an Associate of Arts degree. For additional information please visit the Bureau of Labor Statistics at www.bls.gov or visit the Career Center at the Student Union, room 211.

Bachelor Degree Program

Students earning an Associate of Arts can "step up" to the Bachelor of Organizational Supervision or many other degrees offered at The University of Akron. Meet with your academic advisor to discuss all the options.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Associate of Science

Associate of Science Degree (202005AS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. At least 36 credits of the General Education requirement must be courses that are part of The University of Akron's Ohio Transfer Module. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent. Numbers listed in parentheses denote credit hours for each course.

Year 1 Fall	Prerequisite
2020:121 English (3)	Appropriate placement by Advisor
2030:152 Technical Mathematics II (2) -AND- 2030:153 Technical Mathematics III (2) -OR- 2030:161 Mathematics for Modern Technology (4) (Note a)	Appropriate placement by Advisor
2040:240 Human Relations (3) (Note d)	
Natural Science Requirement with Lab (4) (Note e)	
Electives (2) (Note b)	
Total Credits = 16	

Year 1 Spring	Prerequisite
2020:222 Technical Report Writing (3)	2020:121 or 3300:110 or 3300:111 or equivalent
2040:241 Technology and Human Values (3) -OR- 2040:242 American Urban Society (3) -OR- 2040:243 Contemporary Global Issues (3) -OR- 2040:247 Survey of Basic Economics (3) (Note d)	
Natural Science Requirement without Lab (3) (Note e)	
Electives (6) (Notes b & c)	
Total Credits = 15	

Year 2 Fall	Prerequisite
2420:263 Professional Communications and Presentations (3)	Prerequisite or corequisite: 2020:121 or 3300:111
2040:244 Death and Dying (3) -OR- 2040:254 Black Experience 1619-1877 (2) -OR- 2040:256 Diversity in American Society (3) -OR- 2040:257 Black Experience 1877-1954 (2) -OR- 2040:258 Black Experience 1954-Present (2) (Note a)	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
Humanities Requirement (3 or 4) (Notes c & f)	
Electives (6-7) (Note b)	
Total Credits = 15	

Year 2 Spring	Prerequisite
3300:252 Shakespeare and His World (3) -OR- 3600:101 Introduction to Philosophy (3) -OR- Arts or Humanities Requirement (3) (Note f)	For 3300:252 only: 3300:111 and 3300:112 or their equivalents (2020:121 and 2020:222), and 3400:210 or 3400:221
7100:210 Visual Arts Awareness (3) -OR- 7500:201 Exploring Music, Bach to Rock (3) -OR- 7900:200 Viewing Dance (3) -OR- Arts Requirement (3) (Note f)	3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221
Electives (9) (Note b)	
Total Credits = 15	

Total Credits for Degree = 60 minimum

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- If you take a 3-credit mathematics course, then you must take a Domestic Diversity course from the Ohio Transfer Module (2040:244 Death & Dying, 2040:254 Black Experience 1619-1877, or 2040:256 Diversity in American Society) or an additional course from the Ohio Transfer Module.
- 21-22 elective credits required. In the science program, a student is free to choose any electives. However, at least two-thirds of the credits must be in the natural sciences; mathematics, statistics or computer science; engineering; business administration; or health sciences.
- If you take 3400:210 or 3400:221 in Year 2 Fall, you must complete 32 credit hours in your first year to meet the prerequisite.
- If you take a Social Sciences Equivalent course, it must be a course in the Ohio Transfer Module.
- Seven hours of science are required. A majors-track course in the natural sciences from the Ohio Transfer Module can substitute for a General Education Natural Science course.
- The Arts or Humanities Requirement must be a course in the Ohio Transfer Module.
- This degree requires that you take a minimum 36 credit hours of courses in the Ohio Transfer Module.

Contact Information

Program Coordinator - Dr. Kathryn Cerrone, Polsky 131, 330-972-8809 or kc24@uakron.edu

Career Information

There are many careers a student can pursue with an Associate of Science degree. For additional information please visit the Bureau of Labor Statistics at www.bls.gov or visit the Career Center at the Student Union, room 211.

Bachelor Degree Program

Students earning an Associate of Science can "step up" to the Bachelor of Organizational Supervision or many other degrees offered at The University of Akron. Meet with your academic advisor to discuss all the options.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

College of Applied Science and Technology

CRIMINAL JUSTICE TECHNOLOGY: Corrections 222001AAS

Associate of Applied Science Degree

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements.

http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement test or a grade of C or better in 2010:042
	<i>Physical Education</i> (Note c)	1	
2030:161	<i>Math for Modern Technology</i>	4	Placement test or a grade of C or better in 2010:052
2220:100	Introduction to Criminal Justice	3	
3850:100	<i>Introduction to Sociology</i>	3	
Total		14	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2420:263	<i>Professional Communications and Presentations –OR-</i>	3	2020:121 or 3300:111 for all courses
7600:106	<i>Effective Oral Communication –OR-</i>		
7600:105	<i>Introduction to Public Speaking</i>		
2220:270	Community Corrections	3	2220:100
2220:103	Introduction to Corrections	3	2220:100
2220:106	Juvenile Justice Process	3	2220:100
2820:105	Basic Chemistry/ Lab	3	Placement test
	Elective: Any	2	
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2020:222	<i>Technical Report Writing</i>	3	2020:121 or equivalent
2040:240	<i>Human Relations</i>	3	
2220:275	Legal Aspects of Corrections (Note a)	3	2220:100
2260:260	Introduction to Addiction	3	
2260:255	Effective Workplace Relationships (Note a)	3	
2220:XXX	Technical Elective	3	2220:100
Total		18	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2040:242	<i>American Urban Society</i>	3	
2220:298	Applied Ethics in Criminal Justice	3	2220:100
2220:260	Critical Incident Interventions for Criminal Justice	3	2220:100
2260:262	Basic Helping Skills	4	
2260:269	Criminal Justice and Addiction (Note b)	3	
Total		16	

	Total Credits for Degree	65 minimum	
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POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTES

- a. Traditionally offered Fall only
- b. Traditionally offered Spring only
- c. General Education requirements <http://www.uakron.edu/advising/docs/GEN-EDUC.pdf>

PROGRAM CONTACT

Mr. Dwayne Jones Esq., Public Service Technology, Polsky Building, Room 161, 330-972-8191, djones2@uakron.edu.

PROGRAM INFORMATION

The Criminal Justice program develops critical thinking, problem solving techniques, effective communications and the ability to use technology while examining crime and the methods used to prevent it, as well as investigate and punish those who violate the law. It provides a professional perspective of the Criminal Justice field, including policing, corrections and security administration. The corrections option in the criminal justice program prepares students for a career in corrections. This option provides students with valuable learning experiences in dealing with multiple issues in corrections and criminal justice.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE)

A student can complete this transfer process by meeting with an Academic Advisor in the College in which they reside.

CAREER INFORMATION

- Parole Officer- Supervise offenders who have been released from jail or prison. They may oversee community service or work responsibilities, including responsibility for released inmate's re-integration to the community. Parole officers are in charge of seeing that recently-freed inmates adjust appropriately in society.
- Probation Officer – Supervise offenders who are awaiting trial, or serving a sentence in the community, rather than in jail or prison.
- Corrections Treatment Specialist – Serve as treatment specialists, or case managers, work with inmates and probation officers.
- Corrections Officer -Corrections officers work directly with inmates. The chief duty of corrections officers is to maintain order in jails and prisons.
- Court Services Officer- also referred to as bailiffs, court services officers provide police services to the courts. They handle security issues and physical disturbances that take place within the courts.
- Please visit the Bureau of Labor Statistics for updated information <http://www.bls.gov/>

BACHELOR DEGREE OPTIONS

- Continue your study in the College of Applied Science & Technology to obtain an Emergency Management and Homeland Security Bachelor of Science degree.
- Continue your study in the College of Applied Science & Technology to obtain an Organization Supervision Bachelor degree
- Transfer to the Buchtel College of Arts and Sciences to obtain a Political Science/Criminal Justice Bachelor of Science degree.

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College of Applied Science and Technology

CRIMINAL JUSTICE TECHNOLOGY: Public Safety and Security Administration 222002AAS

Associate of Applied Science Degree

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements.
http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement test or a grade of C or better in 2010:042
5550:211	<i>First Aid and CPR</i>	2	
2030:161	<i>Math for Modern Technology</i>	4	Placement test or a grade of C or better in 2010:052
2220:100	Introduction to Criminal Justice	3	
2220:101	Introduction to Security Administration Technology	3	
	Elective: Any	1	
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2020:222	<i>Technical Report Writing</i>	3	2020:121 or equivalent
2040:240	<i>Human Relations</i>	3	
2220:231	Physical Security: Systems, Design and Control (Note b)	3	2220:101
2420:104	Introduction to Business in the Global Environment	3	
2220:234	Computer and Information Security (Note b)	3	2220:101
2220:XXX	Technical Elective	3	2220:100
Total		18	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2220:233	Security Investigations: Principles and Practice (Note a)	3	2220:101
2220:232	Legal Issues in Security Administration (Note a)	3	2220:101
2230:100	Introduction to Fire Protection	4	
2040:256	<i>Diversity in American Society</i>	2	2020:121 or equivalent
2235:305	Principles of Emergency Management	3	
2230:257	Fire and Safety Issues for Business and Industry	3	
Total		18	

2nd Year		Spring Semester	
2220:245	Homeland Security: Principles and Practice (Note b)	3	
2235:490	Current Topics: Emergency Management (Note b)	3	2235:305
2420:263	<i>Professional Communications and Presentations</i>	3	2020:121 or equivalent
2230:250	Hazardous Materials	4	2230:100
2220:XXX	Technical Elective	3	2220:100
Total		16	
Total Credits for Degree		68	

POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTES

- Traditionally offered Fall only
- Traditionally offered Spring only

PROGRAM CONTACT

Mr. Dwayne Jones Esq., Public Service Technology, Polsky Building, Room 161, 330-972-8191, djones2@uakron.edu.

PROGRAM INFORMATION

The Criminal Justice program develops critical thinking, problem solving techniques, effective communications and the ability to use technology while examining crime and the methods used to prevent it, as well as investigate and punish those who violate the law. It provides a professional perspective of the Criminal Justice field, including policing, corrections and security administration. Social events and technological innovations have increased the demand for well-educated security professionals to meet emerging threats. This program provides a strong foundation in safety and security administration concepts, practice, and disciplines while allowing the student to explore specific topics such as computer and information security, homeland security, medical facility security, loss prevention, airport security, and security investigations. The program is intended for those seeking careers, or career advancement, in both private and public safety and security functions.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE)

A student in University College can complete this transfer process by meeting with an Academic Advisor in the College in which they reside.

CAREER INFORMATION

- Employment opportunities are available in the field of physical security, information security, personnel security, information systems security, homeland security, and critical infrastructure protection.
- Graduates may find entry and mid-level security employment opportunities in: banking and financial services, healthcare, insurance, manufacturing, educational and cultural institutions, retail loss prevention, transportation, utilities and nuclear, insurance, telecommunications, and executive protection.
- Graduates are also prepared for entry-level positions in security engineering and design, security investigations, security equipment sales and services, terrorism counteraction, contingency planning, and crisis management.
- Please visit the Bureau of Labor Statistics for updated information <http://www.bls.gov/>

BACHELOR DEGREE OPTIONS

- Continue your study in the College of Applied Science & Technology to obtain an Emergency Management and Homeland Security Bachelor of Science degree.
- Continue your study in the College of Applied Science & Technology to obtain an Organization Supervision Bachelor degree.
- Transfer to the Buchtel College of Arts and Sciences to obtain a Political Science/Criminal Justice Bachelor of Science degree.

College of Applied Science and Technology

CRIMINAL JUSTICE TECHNOLOGY: Law Enforcement 222006AAS

Associate of Applied Science Degree

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. [http://www.uakron.edu/advising/docs/General Education Guide.pdf](http://www.uakron.edu/advising/docs/General_Education_Guide.pdf).

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement test or a grade of C or better in 2010:042
	<i>Physical Education</i> (Note a)	1	
2030:161	<i>Math for Modern Technology</i>	4	Placement test or a grade of C or better in 2010:052
2220:100	Introduction to Criminal Justice	3	
3850:100	<i>Introduction to Sociology</i>	3	
	Elective: Any	2	
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7600:106	<i>Effective Oral Communications</i>	3	
2220:102	Principles of Criminal Law	3	2220:100
2220:104	Evidence and Criminal Legal Process	3	2220:100
2220:105	Introduction to Police Studies	3	2220:100
2820:105	Basic Chemistry/ Lab	3	Placement test
Total		15	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2020:222	<i>Technical Report Writing</i>	3	2020:121 or equivalent
2040:240	<i>Human Relations</i>	3	
2220:298	Applied Ethics in Criminal Justice	3	2220:100
2220:XXX	Technical Elective	6	2220:100
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2040:242	<i>American Urban Society</i>	3	
2220:253	Basic Forensic Methods	3	2220:100 and 2820:105
2220:260	Critical Incident Interventions for Criminal Justice	3	2220:100
2220:251	Criminal Investigation	3	2220:100
2220:XXX	Technical Elective	6	2220:100
Total		18	

Total Credits for Degree	64
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POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your **REQUIRED** General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTES

- a. General Education requirements - http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

PROGRAM CONTACT

Mr. Dwayne Jones Esq., Public Service Technology, Polsky Building, Room 161, 330-972-8191, djones2@uakron.edu.

PROGRAM INFORMATION

The Criminal Justice program develops critical thinking, problem solving techniques, effective communications and the ability to use technology while examining crime and the methods used to prevent it, as well as investigate and punish those who violate the law. It provides a professional perspective of the Criminal Justice field, including policing, corrections and security administration. The Law Enforcement Option of the Criminal Justice Technology Program emphasizes the police and investigator's role in the process of investigating, prosecuting, and punishing those who violate the criminal law. This option is intended for both practitioners and persons entering the field.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE): A student can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

CAREER INFORMATION

- Police Officer- Additional training is required. See your advisor for more information.
- Court Services Officer- also referred to as bailiffs, court services officers provide police services to the courts. They handle security issues and physical disturbances that take place within the courts.
- Parole Officer-Supervises offenders who have been released from jail or prison. Oversee community service or work responsibilities. Oversee recently-freed inmates.
- Probation Officer -Probation officers supervise offenders who are awaiting trial, or serving a sentence in the community, rather than in jail or prison.
- Private Investigators work in the private sector or in police departments. Additional training and certification may be required.
- Crime Scene Technician
- Crime Intelligence Analyst
- Please visit the Bureau of Labor Statistics for updated information <http://www.bls.gov/>

BACHELOR DEGREE OPTIONS

- Continue your study in the College of Applied Science & Technology to obtain an Emergency Management and Homeland Security Bachelor of Science degree.
- Continue your study in the College of Applied Science & Technology to obtain an Organization Supervision Bachelor degree.
- Transfer to the College of Arts and Sciences to obtain a Political Science/Criminal Justice Bachelor of Science degree.

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College of Applied Science and Technology

EARLY CHILDHOOD DEVELOPMENT 22007AAS

Associate Degree

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement by Adviser
7760:132	Early Childhood Nutrition	3	
7400:265	Child Development (Note a.)	3	
2040:240	<i>Human Relations (Social Science Requirement)</i>	3	
2200:110	Foundations in Early Childhood Education (Note d.)	3	
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2030:161	Math for Modern Technology	4	Placement by Advisor
2200:245	Infant/Toddler Daycare Programs (Note d.)	3	
7400:270	Theory and Guidance of Play	3	7400:265
7400:280	Early Childhood Curriculum Methods	3	7400:265
2040:242	<i>American Urban Society (Social Science Requirement)</i>	3	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
7400:370	Teaching in the Early Childhood Classroom	2	7400:270, 7400:280 and 7400:375 corequisite
7400:375	Early Childhood Classroom Lab	2	7400:270, 7400:280 and 7400:370 corequisite
5610:450	Special Education Program: Early Childhood	3	
2200:250	Observing and Recording Children's Behavior (Note e.)	3	7400:265 or permission
7400:460	Organization and Supervision of Child Care Centers	3	
7600:106	<i>Effective Oral Communication (Speech/ Oral Communication Requirement)</i>	3	
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2200:295	Early Childhood Practicum (Notes c. and d.)	5	
2200:247	Diversity in Early Childhood Literacy (Note e.)	3	7400:265
2200:246	Multicultural Issues in Child Care	3	
	<i>Humanities Requirement</i>	2	
Total		13	

	Total Credits for Degree	60	
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POLICY ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements.

A STUDENT MUST OBTAIN PERMISSION FROM THE PROGRAM ADVISER OF THE EARLY CHILDHOOD DEVELOPMENT PROGRAM FOR FIELD EXPERIENCE (2200:295) BY THE EIGHTH (8TH) WEEK OF THE SEMESTER BEFORE HE / SHE PLANS TO TAKE COURSE!

- a. An Early Childhood Development Associate Degree student should take 7400:265 Child Development and 2200:110 Foundations In Early Childhood Education the first semester. These courses are prerequisites for subsequent child development courses.
- b. A student who expects to go on for a 4-Year degree should consult with his / her adviser as to which math course(s) will be applicable to a bachelor's degree.
- c. A student must obtain permission from the program adviser of Early Childhood Development for 2200:295, Early Childhood Practicum, by the eighth week of the semester before he/she plans to take it. Prerequisites are 7400:265, 7400:270, 7400:280 and 2200:110, 5200:360, 5200:370. 2200:245 must be completed to do a practicum in an Infant / Toddler Center.
- d. Course is offered fall, spring, and summer semesters. Student can take course online or classroom setting.
- e. Course is offered only fall and spring semester.
- f. If course is not offered, please contact Dr. Sabine Gerhardt for alternative course to fulfill requirement.

TECHNICAL ELECTIVES

	CREDITS
7400:360 Parent-Child Relations	3
7400:401 American Families in Poverty	3
7400:255 Fatherhood: The Parent Role	3
5550:336 Motor Learning and Development for Early Childhood	2

HUMANITIES COURSE SELECTION

3600:101 Introduction to Philosophy	3
3600:120 Introduction to Ethics	3
7100:100 Survey of History of Art I	4
7100:105 Introduction to Art Education	3
7100:144 Foundation 2D Design	3
7500:103 Trends in Jazz	2
7500:201 Exploring Music Bach to Rock	3
7900:115 Dance as an Art Form	2

NOTE: A student may wish to take Humanities in Western Traditions World Civilizations to meet this requirement. The prerequisite for Humanities in Western Traditions is the completion of 3300:112, English Composition II. For World Civilizations, 64 credit hours must be completed.

ADDITIONAL INFORMATION FOR CHILD DEVELOPMENT:

1. Teaching in the Early Childhood Classroom, 7400:370, and Early Childhood Classroom Laboratory, 7400:375, are taken concurrently and must be done at The University of Akron's Center for Child Development or School of Family and Consumer Science approved site.
2. Work experience will not substitute for 2200:295, Early Childhood Practicum. All students are given a community placement. Contact department (Polsky 161) for details.
3. The Child Development Program requires a considerable number of hours observing children and participating in programs for children. A student must make arrangements to complete these course requirements.

You must have a minimum cumulative GPA of 2.0 to graduate with this degree.

Contact Person: Dr. Sabine Gerhardt, 330-972-2443, sef2@uakron.edu, Polsky Building, Room 161.

Career Opportunities:

- Child Care Center Director
- Child Care Teacher
- Head Start Teacher
- Pre-K or Kindergarten Paraprofessional
- Family Child Care Home Provider
- Children's Entertainment Coordinator
- Nanny
- Early Intervention/Special Needs Paraprofessional
- Parent Educator
- Youth Services Worker

Salary: The field of Early Childhood Development has a highly diversified salary structure. Salaries will vary according to the experience, educational preparation, and type of job performed.

Fire Protection Technology

Associate of Applied Science Degree (223001AAS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	Placement Test
2230:100 Intro to Fire Protection (4)	
2030:161 <i>Math for Modern Technology (4)</i>	Placement Test
2230:104 Fire Investigation Methods (4)	
Total Credits = 15	

Year 1 Spring	Prerequisite
2020:222 <i>Technical Report Writing (3)</i>	2020:121 or 3300:111 or equivalent
2230:102 Fire Safety in Building Design & Construction (3)	
2230:202 Incident Management for Emergency Responders (4)	
2230:206 Fire Sprinkler System Design (3)	
2230:254 Fire Prevention (3)	2230:104
Total Credits = 16	

Year 2 Fall	Prerequisite
2420:263 <i>Professional Communication and Presentations (3)</i>	Prerequisite or corequisite: 2020:121 or 3300:111
2230:204 Fire and Life Safety Education (3)	
2230:205 Fire Detection & Suppression Systems (3)	
2230:280 Fire Service Administration (4)	
2820:105 <i>Basic Chemistry with Lab (3)</i>	2010:052 with a grade of C or better, or math placement test
Total Credits = 16	

Year 2 Spring	Prerequisite
2230:250 Hazardous Materials (4) (Spring Only)	2230:100
2230:257 Fire and Safety Issues for Business and Industry (3)	
2230:295 Field Experience I (2) -AND- 2230:296 Field Experience II (2)	30 credits of successfully completed coursework in the Fire Protection program which includes 2230:100, 2230:102, 2230:104, 2230:204, 2230:205, 2230:280
2040:240 <i>Human Relations (3)</i> -OR- 2040:242 <i>American Urban Society (3)</i>	
Total Credits = 14	

Total Credits for Degree = 61

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Contact Information

Ohio Board of Regents Validation Center Coordinator and Lead Faculty Member – Mr. Dennis Ragins MPA, EMTP, The Polsky Building 161, 330-972-2051 or dragins@uakron.edu

Career Information

Graduates of the fire protection program have a wide selection of career opportunities. Your education will assist you in becoming an expert in many areas including fire protection, recognition and correction of fire hazards, design and application of fire extinguishing equipment, and utilization of fire codes and standards.

The program is designed to prepare you for a career in fire protection in municipal, industrial, state, federal, and private fire protection agencies. It also provides instruction for service fire fighters wishing to prepare for career advancement.

Salary Information: National estimates for this Occupation

Employment estimate and mean wage estimates for this occupation:

Employment (1)	Employment RSE (3)	Mean hourly wage	Mean annual wage (2)	Wage RSE (3)
302,400	1.0 %	\$22.95	\$47,730	1.0 %

Percentile wage estimates for this occupation:

Percentile	10%	25%	50% (Median)	75%	90%
Hourly Wage	\$11.08	\$15.38	\$21.76	\$28.80	\$36.25
Annual Wage (2)	\$23,050	\$31,990	\$45,250	\$59,900	\$75,390

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Emergency Management and Homeland Security

Step-up Option, Bachelor of Science Degree (223500BS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

This program prepares students who have completed a minimum of 60 semester hours in subjects including, but not limited to, fire protection, criminal justice, community services, environmental health and safety, or other related areas to enter the field of emergency management in either the public or private sectors. Students will acquire specialized knowledge in preparedness, mitigation, response, and recovery in regard to an all hazards approach. **Students without the above coursework must meet with the program director or an academic adviser to discuss required "bridge" coursework.**

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 3 Fall	Prerequisite
2235:305 Principles of Emergency Management (3)	
2235:340 Disaster Research Methods (3)	
2235:360 Introduction to Terrorism (3) (Note a)	2235:305, co-requisite
3470:250 <i>Statistics for Everyday Life</i> (4)	Placement by Advisor
2040:243 <i>Contemporary Global Issues</i> (3) Fulfills Global Diversity Tag	
Total Credits = 16	

Year 3 Spring	Prerequisite
2235:350 Disaster Preparedness and Response (3)	2235:305
2235:370 Hazard Science and Management (3)	
3400:210 <i>Humanities in the Western Tradition</i> (4) -OR- 3400:221 <i>Humanities in the World Since 1300</i> (4) Each Course Fulfills Critical Thinking Tag	32 credits and completion of 2020:222 or 3300:112 or 3300:114 or permission
2985:101 Introduction to Geographic and Land Information Systems (3)	
2040:244 <i>Death and Dying</i> (3) Fulfills Domestic Diversity Tag -OR- Other Domestic Diversity Tag Course, such as 2040:254 <i>The Black Experience 1619-1877</i> (2) -OR- 2040:257 <i>The Black Experience 1877-1954</i> (2) -OR- 2040:258 <i>The Black Experience 1954- present</i> (2) -OR- 2040:256 <i>Diversity in American Society</i> (3)	2020:121 or 3300:112 2020:121 or 3300:112 2020:121 or 3300:112 2020:121, or 3300:112 or equivalent
Total Credits = 15-16	

Year 4 Fall	Prerequisite
2980:445 Applications in GIS using GPS (3)	2985:101
2985:201 Intermediate Geographic and Land Information Systems (3) -OR- 2985:205 Building Geodatabases (3)	2985:101
2235:365 Disaster Mitigation (3)	2235:305
3600:120 <i>Introduction to Ethics</i> (3)	
2235:367 Disaster Recovery (3)	2235:305
2235:490 Current Topic (3) (Note c) -OR- 2235:xxx Approved Emergency Management Elective (3)	2235:305 & 2235:350
Total Credits = 18	

Year 4 Spring	Prerequisite
2235:495 Emergency Management & Homeland Security Internship (3)	30 hours in program and have Program Director Approval.
2235:420 Disaster Vulnerability (3)	2235:305
7100:210 <i>Visual Arts Awareness</i> (3) -OR- 7500:201 <i>Exploring Music, Bach to Rock</i> (3) -OR- 7900:200 <i>Viewing Dance</i> (3) -OR- Arts Requirement (3) (Note d)	3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221

<i>Natural Science Requirement</i>	Must fulfill remaining university requirement of 7 credits, including 1 lab
2235:490 Current Topic (3-6) (Note c) -OR- 2235:xxx Approved Emergency Management Electives (3-6)	2235:305 & 2235:350
<i>Complex Systems Tag Requirement</i> (3)	
Total Credits = 18-22	

Total Credits for Degree = 127 minimum (including 1st and 2nd year credits)

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- Traditionally offered Fall only (see program contact).
- Traditionally offered Spring only (see program contact).
- A student must take 3 to 6 credits in either 2235:490 Current Topics or 2235:xxx Emergency Management and Homeland Security electives for a minimum of 6 credits.
- This Arts course must be part of the Ohio Transfer Module.

Program Contact

Program Lead Faculty Dr. Stacy Willett, at 330-972-8317, POLSKY 161; e-mail at smuffet@uakron.edu

Career Information

The Bachelor's degree in *Emergency Management and Homeland Security* prepares students to enter and advance in the field of emergency management through the acquisition of specialized knowledge of disaster planning, preparedness, emergency response, mitigation and recovery. As a "Step-Up" degree, it is built upon strong technical programs. Service learning is incorporated in course work with joint projects involving county emergency management agencies as well as schools and non-profit agencies. In addition, The University of Akron has faculty who are nationally recognized in the field of emergency management as well as geography, hazards, business, education, and leadership.

This degree program supports the primary goal of the Federal Emergency Management Agency (FEMA) Higher Education Project to encourage and support the implementation of emergency management education in colleges and universities across the United States. We have incorporated emergency management and homeland security research as our area of specialization which will make us unique from other programs. In addition, we teach emergency management and homeland security from a well-rounded perspective that includes the public and private sector equally.

For additional information visit the Bureau of Labor Statistics at www.bls.gov or the Career Center at the Student Union, room 211.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Emergency Management and Homeland Security

4-Year Option, Bachelor of Science Degree (223501BS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Emergency Management and Homeland Security studies events or threats such as natural disasters, terrorist incidents, and technological hazards. Students will acquire specialized knowledge in disaster management through prevention/mitigation, preparedness, response, and recovery actions utilizing an "All-Hazards" focused approach. This dynamic discipline prepares graduates for careers in the governmental, corporate, public health, and nonprofit sectors. Emergency Management and Homeland Security can be a career that makes a difference in people's lives. The program offers a Bachelor of Science degree, along with a minor and certificate. There are two program pathways: Students can step-up from responder related Associates Degrees such as criminal justice or fire protection or students can choose to follow a traditional bachelor's degree curriculum. All university general education requirements must be completed as outlined in this Bulletin.

This program is accredited by International Fire Service Accreditation Congress (IFSAC), Oklahoma State University, 1700 West Tyler, Stillwater, OK 74078-8075; Phone: (405) 744-8802; www.ifsac.org.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3) -OR- 3300:111 English Composition I (3)</i>	Placement by Advisor
3470:250 <i>Statistics for Everyday Life (4)</i>	Placement by Advisor
2235:105 Introduction to Disaster, Hazards and Risk (3)	
<i>Natural Science Requirement with Lab (4)</i>	
Total Credits = 14	

Year 1 Spring	Prerequisite
2420:263 <i>Professional Communication and Presentations (3)</i> -OR- Other Speaking Requirement Course (3)	Prerequisite or corequisite: 2020:121 or 3300:111
2020:222 <i>Technical Report Writing (3)</i> -OR- 3300:112 <i>English Composition II (3)</i>	2020:121 or 3300:111 or equivalent
<i>Natural Science Requirement without Lab (3)</i>	
3850:100 <i>Introduction to Sociology (3)</i> -OR- 3350:100 <i>Introduction to Geography (3)</i>	
3700:336 Homeland Security Policy and Process (3)	
Total Credits = 15	

Year 2 Fall	Prerequisite
3600:120 <i>Introduction to Ethics (3)</i>	
2235:360 Introduction to Terrorism (3) -OR- 3700:337 Terrorism: Perpetrators, Politics and Response (3)	
2985:101 Introduction to Geographic Info Systems (3) -OR- 3350:405 Geographic Information Systems* (3)	*3350:305 or Permission (pre-req for 3350:405)
Specialty Block Credits (6)	
Total Credits = 15	

Year 2 Spring	Prerequisite
3400:210 <i>Humanities in the Western Tradition (4)</i> -OR- 3400:221 <i>Humanities in the World Since 1300 (4)</i> <i>Either Course Fulfills Critical Thinking Tag</i>	Prerequisites: 32 credits and completion of 2020:222 or 3300:112 or 3300:114 or permission
2980:445 Applications in GIS using GPS (3)	2985:101
2235:305 Principles of Emergency Management (3)	
2040:244 <i>Death and Dying (3)</i> <i>Fulfills Domestic Diversity Tag</i> -OR- Other Domestic Diversity Tag Course, such as -OR- 2040:256 <i>Diversity in American Society (3)</i>	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent
Specialty Block Credits (3)	
Total Credits = 16	

Year 3 Fall	Prerequisite
2235:350 Disaster Preparedness and Response (3)	2235:305
2235:340 Disaster Research Methods (3)	
2235:xxx Emergency Management and Homeland Security Approved Elective (3)	
2235:365 Disaster Mitigation (3)	2235:305
7100:210 <i>Visual Arts Awareness (3)</i> -OR- 7500:201 <i>Exploring Music, Bach to Rock (3)</i> -OR- 7900:200 <i>Viewing Dance (3)</i> -OR- Arts Requirement (3) (Note a)	3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221
Total Credits = 15	

Year 3 Spring	Prerequisite
2235:367 Disaster Recovery (3)	2235:305
2235:370 Hazard Science and Management (3)	
2235:xxx Emergency Management and Homeland Security Approved Elective (3)	
Specialty Block Credits (6)	
Total Credits = 15	

Year 4 Fall	Prerequisite
2235:401 Crisis Leadership (3)	
2235:420 Disaster Vulnerability (3)	
2235:xxx Emergency Management and Homeland Security Approved Elective (6)	
2235:495 Emergency Management and Homeland Security Internship (3) (Note b)	Must meet with Lead Faculty for permission
Total Credits = 15	

Year 4 Spring	Prerequisite
2235:480 Emergency Management and Homeland Security Capstone (3)	Corequisite or prerequisite is 230:495. Must meet with Lead Faculty for permission.
2235:xxx Emergency Management and Homeland Security Approved Elective (6)	
2040:243 <i>Contemporary Global Issues (3)</i> <i>Fulfills Global Diversity Tag</i>	
2040:241 <i>Technology and Human Values (3)</i> <i>Complex Systems Tag Requirement</i>	
Total Credits = 15	

Total Credits for Degree = 120 minimum

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- a) Must be a part of the Ohio Transfer Module.
- b) Students should be aware that most internship sites require a background check. If students are unable to pass a background check, internship placement cannot be guaranteed. Accordingly, job placement will be difficult. Please meet with the Program Lead to discuss this.

Program Contact

Program Lead Faculty Dr. Stacy Willett, at 330-972-8317, POLSKY 161; e-mail at smuffet@uakron.edu

Career Information

The Bachelor's degree in Emergency Management and Homeland Security prepares students to enter and advance in the field of emergency management through the acquisition of specialized knowledge of disaster planning, preparedness, emergency response, mitigation and recovery. Service learning is incorporated in course work with joint projects involving county emergency management/ homeland security agencies as well as schools and non-profit agencies. In addition, The University of Akron has faculty who are nationally recognized in the field of emergency management, homeland security, geography, hazards, business, education, and leadership.

This degree program supports the primary goal of the Federal Emergency Management Agency (FEMA) Higher Education Project to encourage and support the implementation of emergency management and homeland security education in colleges and universities across the United States. This program has incorporated disaster based research as an area of specialization which will make this program unique from other emergency management and homeland security programs. In addition, disaster management is taught from a well-rounded perspective that includes the public and private sector equally.

For additional information visit the Bureau of Labor Statistics at www.bls.gov or the Career Center at the Student Union, room 211.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Emergency Medical Services Technology

EMT/Paramedic Option, Associate of Applied Science Degree (224002AAS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

CIS core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2030:161 <i>Math for Modern Technology (4)</i> <i>-OR- 3470:250 Statistics for Everyday Life (4)</i>	Placement Test
2020:121 <i>English (3)</i>	Placement Test
2740:120 Medical Terminology (3)	
2230:100 Introduction to Fire Protection (4)	
2040:240 <i>Human Relations (3)</i>	
Total Credits = 17	

Year 1 Spring	Prerequisite
2420:263 <i>Professional Communication and Presentations (3)</i>	<i>Prerequisite or corequisite: 2020:121 or 3300:111</i>
2780:106 <i>Anatomy and Physiology I (3)</i> <i>(Allied Health)</i>	
2230:202 Incident Management for First Responders (4)	
2230:257 Fire and Safety Issues for Business and Industry (3)	
Total Credits = 13	

Total University of Akron Credits = 30

30 Block credit for State of Ohio, Department of Public Safety / EMT-Paramedic Certification from an accredited paramedic training facility.

Paramedic Courses	Prerequisite
2240:201 Fundamentals of Paramedic I (3)	
2240:202 Fundamentals of Paramedic II (3)	
2240:203 Fundamentals of Paramedic III (3)	
2240:204 Fundamentals of Paramedic IV (3)	
2240:205 Fundamentals of Paramedic V (3)	
2240:206 Fundamentals of Paramedic VI (3)	
2240:207 Fundamentals of Paramedic VII (3)	
2240:208 Fundamentals of Paramedic VIII (3)	
2240:209 Fundamentals of Paramedic IX (3)	
2240:211 Fundamentals of Paramedic X (3)	
Total Credits = 30	

Total Credits for Degree = 60

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Program Information

The Emergency Medical Services Technology, EMT/Paramedic Option program offers both professional certification and a quality education. It not only goes beyond providing training required for certification, but it also recognizes the amount of learning associated with a Licensed Paramedic Program. Graduates of the program will have state certification as an EMT-Paramedic, which will enable them to provide the highest level of emergency medical service available.

The AAS in Emergency Medical Services offers both professional certification and education. It not only goes beyond providing training required for certification, but it also recognizes the amount of learning associated with a Licensed Paramedic Program. These programs enhance the skills service components with the additional critical thinking, problem solving, and cultural diversity awareness attributes of higher education.

Upon application and matriculation to the University and a concurrent presentation of an official paramedic transcript from an accredited EMS training facility with a graduation date of 1985 or thereafter, academic transfer credit will be awarded to individuals for certified paramedic education as part of the Emergency Medical Services Technology degree Fire/Medic option.

Contact Information

Ohio Board of Regents Validation Center Coordinator and Lead Faculty Member – Mr. Dennis Ragins MPA, EMTP, The Polsky Building 161, 330-972-2051 or dragins@uakron.edu

Career Information

The AAS in Emergency Medical Services (both options) offers both professional certification and education. It goes beyond providing training required for certification; it also recognizes the amount of learning associated with a Licensed Paramedic Program. These programs enhance the skills service components with the additional critical thinking, problem solving, and cultural diversity awareness attributes of higher education.

Salary Information

		Employment Estimates				Wage Estimates			
Occupation Code	Occupation Title	Employment	Employment RSE	Employment per 1000 jobs	Location Quotient	Median Hourly	Mean Hourly	Mean Annual	Mean RSE
29-2041	Emergency Medical Technicians and Paramedics	460	11.1%	1.487	0.852	\$12.81	\$13.61	\$28,310	2.9%

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

College of Applied Science and Technology

EMERGENCY MEDICAL SERVICES TECHNOLOGY

EMT/Paramedic Option 224002AAS

Associate Degree

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2540:263	<i>Professional Communication & Presentations</i>	3	
	- or -		
7600:105	<i>Intro to Public Speaking</i>		
	- or -		
7600:106	<i>Effective Oral Communication (Speech/ Oral Communication Requirement)</i>		
2020:121	<i>English</i>	3	Placement Test
2040:240	<i>Human Relations (Social Science Requirement)</i>	3	
2230:100	Introduction to Fire Protection	4	
2740:120	Medical Terminology	3	
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2030:161	<i>Math for Modern Technology</i>	4	Placement Test
	-OR-		
3470:250	<i>Statistics for Everyday Life</i>		
2780:106	<i>Anatomy and Physiology for Allied Health I (Natural Science Requirement)</i>	3	
2230:202	Incident Management for First Responders	4	
2230:257	Fire and Safety Issues for Business & Industry	3	
Total		14	

Total University of Akron Credits: 30

Block credit for State of Ohio - Department of Public Safety
EMT-Paramedic Certification from an accredited paramedic training facility: 30

Paramedic Courses			
2240:201	Fundamentals of Paramedic I	3	
2240:202	Fundamentals of Paramedic II	3	
2240:203	Fundamentals of Paramedic III	3	
2240:204	Fundamentals of Paramedic IV	3	
2240:205	Fundamentals of Paramedic V	3	
2240:206	Fundamentals of Paramedic VI	3	
2240:207	Fundamentals of Paramedic VII	3	
2240:208	Fundamentals of Paramedic VIII	3	
2240:209	Fundamentals of Paramedic IX	3	
2240:211	Fundamentals of Paramedic X	3	
Total		30	

	Total Credits for Degree	60	
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POLICY ALERT: 1) 1) By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of 2.0 to graduate with this degree.

The Fire/Medic option will provide fire service professionals or those seeking employment in the fire service opportunities to attain the A.A.S. in Emergency Medical Services Technology Fire/Medic option while maintaining their status as nationally certified fire fighter. The program utilizes National Fire Protection Association (NFPA) Standards – Fire Fighter I and Fire Fighter II within the Fire Protection Technology Independent Study component to enhance career development as a Fire/Medic.

Upon application and matriculation to the University and a concurrent presentation of an official paramedic transcript from an accredited EMS training facility with a graduation date of 1985 or thereafter, academic transfer credit will be awarded to individuals for certified paramedic education as part of the Emergency Medical Services Technology degree Fire/Medic option.

Contact Information: **Ohio Board of Regents Validation Center Coordinator and Lead Faculty Member – Mr. Dennis Ragins MPA, EMTP, The Polsky Building 161, 330-972-2051 or dragins@uakron.edu**

CAREER INFORMATION: The AAS in Emergency Medical Services (both options) offers both professional certification and education. It goes beyond providing training required for certification; it also recognizes the amount of learning associated with a Licensed Paramedic Program. These programs enhance the skills service components with the additional critical thinking, problem solving, and cultural diversity awareness attributes of higher education.

SALARY INFORMATION:

		Employment Estimates				Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Employment RSE (3)	Employment per thousand jobs	Location quotient (9)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
29-2041	Emergency Medical Technicians and Paramedics	460	11.1 %	1.487	0.852	\$12.81	\$13.61	\$28,310	2.9 %

COOPERATIVE EDUCATION: As a fire protection student, you may participate in a 15-week internship. The internship consists of a full-time assignment in a fire protection agency. The Internship program provides valuable fire related experience with regional fire organizations such as fire departments, private fire investigation organizations, hazardous material compliance organizations and others.

Also, our Fire Protection Technology majors are encouraged to participate in special projects such as fire training, educational tours and fire related research projects. It will provide you with first-hand experience, help you learn what a career in that area of fire protection is all about, and aid you in making important career decisions.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE): To be admitted to the college, a student must have a 2.0 or better overall GPA. A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

Emergency Medical Services Technology

Fire/Medic Option, Associate of Applied Science Degree (224003AAS)

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CIS core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2030:161 <i>Math for Modern Technology</i> (4)	Placement Test
2020:121 <i>English</i> (3)	Placement Test
2740:120 <i>Medical Terminology</i> (3)	
2230:100 <i>Introduction to Fire Protection</i> (4)	
2040:240 <i>Human Relations</i> (3)	
Total Credits = 17	

Year 1 Spring	Prerequisite
2420:263 <i>Professional Communication and Presentations</i> (3)	Prerequisite or corequisite: 2020:121 or 3300:111
2230:295 <i>Field Experience I</i> (2)	Department Consent
2230:296 <i>Field Experience II</i> (2)	Department Consent
2780:106 <i>Anatomy and Physiology I</i> (3) <i>(Allied Health)</i>	
2230:254 <i>Fire Prevention</i> (3)	
Total Credits = 13	

Total University of Akron Credits = 30

30 Block credit for State of Ohio, Department of Public Safety / EMT-Paramedic Certification from an accredited paramedic training facility.

Paramedic Courses	Prerequisite
2240:201 <i>Fundamentals of Paramedic I</i> (3)	
2240:202 <i>Fundamentals of Paramedic II</i> (3)	
2240:203 <i>Fundamentals of Paramedic III</i> (3)	
2240:204 <i>Fundamentals of Paramedic IV</i> (3)	
2240:205 <i>Fundamentals of Paramedic V</i> (3)	
2240:206 <i>Fundamentals of Paramedic VI</i> (3)	
2240:207 <i>Fundamentals of Paramedic VII</i> (3)	
2240:208 <i>Fundamentals of Paramedic VIII</i> (3)	
2240:209 <i>Fundamentals of Paramedic IX</i> (3)	
2240:211 <i>Fundamentals of Paramedic X</i> (3)	
Total Credits = 30	

Total Credits for Degree = 60

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Program Information

The Emergency Medical Services Technology, Fire/Medic Option program offers both professional certification and a quality education. It not only goes beyond providing training required for certification, but it also recognizes the amount of learning associated with a Licensed Paramedic Program. Graduates of the program will have state certification as an EMT-Paramedic, which will enable them to provide the highest level of emergency medical service available.

The AAS in Emergency Medical Services program offers both professional certification and education. It not only goes beyond providing training required for certification, but it also recognizes the amount of learning associated with a Licensed Paramedic Program. These programs enhance the skills service components with the additional critical thinking, problem solving, and cultural diversity awareness attributes of higher education.

Upon application and matriculation to the University and a concurrent presentation of an official paramedic transcript from an accredited EMS training facility with a graduation date of 1985 or thereafter, academic transfer credit will be awarded to individuals for certified paramedic education as part of the Emergency Medical Services Technology degree Fire/Medic option.

Contact Information

Ohio Board of Regents Validation Center Coordinator and Lead Faculty Member – Mr. Dennis Ragins MPA, EMTP, The Polsky Building 161, 330-972-2051 or dragins@uakron.edu.

Career Information

The AAS in Emergency Medical Services (both options) offers both professional certification and education. It goes beyond providing training required for certification; it also recognizes the amount of learning associated with a Licensed Paramedic Program. These programs enhance the skills service components with the additional critical thinking, problem solving, and cultural diversity awareness attributes of higher education.

Salary Information

		Employment Estimates				Wage Estimates			
Occupation Code	Occupation Title	Employment	Employment RSE	Employment per 1000 jobs	Location Quotient	Median Hourly	Mean Hourly	Mean Annual	Mean RSE
29-2041	Emergency Medical Technicians and Paramedics	460	11.1%	1.487	0.852	\$12.81	\$13.61	\$28,310	2.9%

Cooperative Education

As a fire protection student, you may participate in a 15-week internship. The internship consists of a full-time assignment in a fire protection agency. The Internship program provides valuable fire related experience with regional fire organizations such as fire departments, private fire investigation organizations, hazardous material compliance organizations and others.

Also, our Fire Protection Technology majors are encouraged to participate in special projects such as fire training, educational tours and fire related research projects. It will provide you with first-hand experience, help you learn what a career in that area of fire protection is all about, and aid you in making important career decisions.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

College of Applied Science and Technology

EMERGENCY MEDICAL SERVICES TECHNOLOGY

Fire/Medic Option 224003AAS

Associate Degree

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Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2420:263	<i>Professional Communication & Presentations</i>	3	
	- or -		
7600:105	<i>Intro to Public Speaking</i>		
	- or -		
7600:106	<i>Effective Oral Communication (Speech/ Oral Communication Requirement)</i>		
2020:121	<i>English</i>	3	Placement Test
2740:120	Medical Terminology	3	
2230:100	Introduction to Fire Protection	4	
2040:240	<i>Human Relations (Social Science Requirement)</i>	3	
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2030:161	<i>Math for Modern Technology</i>		Placement Test
	- OR -	4	
3470:250	<i>Stats for Everyday Life</i>		
2230:295	Technical Training/Field Experience	4	see Adviser
2780:106	<i>Anatomy and Physiology for Allied Health I (Natural Science Requirement)</i>	3	
2230:254	Fire Prevention	3	2230:104
Total		14	

Total University of Akron Credits: 30

Block credit for State of Ohio - Department of Public Safety
EMT-Paramedic Certification from an accredited paramedic training facility: 30

Paramedic Courses			
2240:201	Fundamentals of Paramedic I	3	
2240:202	Fundamentals of Paramedic II	3	
2240:203	Fundamentals of Paramedic III	3	
2240:204	Fundamentals of Paramedic IV	3	
2240:205	Fundamentals of Paramedic V	3	
2240:206	Fundamentals of Paramedic VI	3	
2240:207	Fundamentals of Paramedic VII	3	
2240:208	Fundamentals of Paramedic VIII	3	
2240:209	Fundamentals of Paramedic IX	3	
2240:211	Fundamentals of Paramedic X	3	
Total		30	

	Total Credits for Degree	60	
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POLICY ALERT: 1) 1) By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of 2.0 to graduate with this degree.

The Fire/Medic option will provide fire service professionals or those seeking employment in the fire service opportunities to attain the A.A.S. in Emergency Medical Services Technology Fire/Medic option while maintaining their status as nationally certified fire fighter. The program utilizes National Fire Protection Association (NFPA) Standards – Fire Fighter I and Fire Fighter II within the Fire Protection Technology Independent Study component to enhance career development as a Fire/Medic.

Upon application and matriculation to the University and a concurrent presentation of an official paramedic transcript from an accredited EMS training facility with a graduation date of 1985 or thereafter, academic transfer credit will be awarded to individuals for certified paramedic education as part of the Emergency Medical Services Technology degree Fire/Medic option.

CONTACT INFORMATION: Ohio Board of Regents Validation Center Coordinator and Lead Faculty Member – Mr. Dennis Ragins MPA, EMTP, The Polsky Building 161, 330-972-2051 or dragins@uakron.edu

CAREER INFORMATION: The AAS in Emergency Medical Services (both options) offers both professional certification and education. It goes beyond providing training required for certification; it also recognizes the amount of learning associated with a Licensed Paramedic Program. These programs enhance the skills service components with the additional critical thinking, problem solving, and cultural diversity awareness attributes of higher education.

SALARY INFORMATION:

		Employment Estimates				Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Employment RSE (3)	Employment per thousand jobs	Location quotient (9)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
29-2041	Emergency Medical Technicians and Paramedics	460	11.1 %	1.487	0.852	\$12.81	\$13.61	\$28,310	2.9 %

COOPERATIVE EDUCATION: As a fire protection student, you may participate in a 15-week internship. The internship consists of a full-time assignment in a fire protection agency. The Internship program provides valuable fire related experience with regional fire organizations such as fire departments, private fire investigation organizations, hazardous material compliance organizations and others.

Also, our Fire Protection Technology majors are encouraged to participate in special projects such as fire training, educational tours and fire related research projects. It will provide you with first-hand experience, help you learn what a career in that area of fire protection is all about, and aid you in making important career decisions.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE): To be admitted to the college, a student must have a 2.0 or better overall GPA. A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

COMMUNITY SERVICES-ADDICTION 226105AAS

Associate Degree (**Course numbers changed effective Fall 2014 with move to CHP**)

The following information has official approval of **The College of Health Professions**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

This curriculum is for an associate degree Addiction, preparing students for licensing as Licensed Chemical Dependency Counselor II (LCDC II) and for entry-level positions in the addiction services field.

A student should apply for a transfer to a degree-granting college upon completion of 12 UA or transfer credits and an overall GPA of at least a 2.3. Students can arrange inter-college transfer through an appointment with their academic advisor; advisor information is listed in "My Akron."

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/advising/docs/GEN-EDUC.pdf>.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	4	Appropriate Placement by Advisor
7600:106	<i>Effective Oral Communication (Speech/ Oral Communication Requirement)</i>	3	
2040:240	<i>Human Relations (Social Science Requirement)</i>	3	
7750:260	Introduction to Addiction (Note a.)	3	
7750:210	Addiction Education and Prevention (Note b.)	3	
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3300:112 or 2020:222	<i>English Composition II</i> -OR- <i>Technical Report Writing</i>	3	3300:111 or equivalent 2020:121 or equivalent
7750:267	Addiction to Assessment and Treatment Planning	3	2260:260
2030:161 or 3470:250	<i>Math for Modern Technology</i> -OR- <i>Statistics for Everyday Life/ Lab</i>	4	Appropriate Placement by Advisor
2040:242	<i>American Urban Society (Social Science Requirement)</i>	3	
7750:240	Drug Use and Abuse (Note b.)	3	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2260:278	Techniques of Community Work	4	2020:121 or 3300:111
2260:263	Group Principles in Addiction	3	2260:260
2040:254 2040:257 2040:258 2040:256	Black Experience 1619-1877 -OR- Black Experience 1877-1954 -OR- Black Experience 1954 to Present -OR- Diversity in American Society (<i>Area Studies/Cultural Diversity Requirement</i>)	2	2020:121 or 3300:112 or equivalent 2020:121 or 3300:112 or equivalent 2020:121 or 3300:112 or equivalent 2020:121 or 3300:112 or equivalent
7750:261	Addiction Treatment	4	2260:260
2260:262	Basic Helping Skills	4	
Total		17	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2260:150	Introduction to Gerontological Studies	3	
7750:264	Addiction and Family (Note b.)	3	
7750:286	Addiction Services Internship	2	Department Consent Required
xxxx:xxx	Technical Electives (Note c.)	7	
Total		15	
	Total Credits for Degree	64	

POLICY ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

TOTAL CREDITS = 64 minimum

Note a. Means course is offered in the classroom or web-based

Note b. Means course is only offered web-based

Some courses are offered only once a year.

Note c. Technical Electives:

	Credit Hours
7750:265 Women and Addiction (Note b.)	3
7750:268 Co-occurring Disorders (Note b.)	3
7750:269 Criminal Justice and Addiction	3
7750:270 Relapse Prevention (Note b.)	3
7750:271 Behavioral Addictions (Note b.)	3
2440:105 Introduction to Computers & Application Software	3
2540:140 Keyboarding for Non-Majors	2
2540:143 Microsoft Word, Beginning	2
2260:xxx Any Community Services course not required	up to 11 credits
7750:xxx Any Social Work course not required	up to 11 credits

Contact Person: Dr. Jill Dickie, (330) 972-8441, e-mail address: jdickie@uakron.edu, Polsky Building, Room 411.

Career Opportunities:

Salary Range:

Hospitality Management

Hotel/Lodging Management Option, Associate of Applied Business Degree (228003AAB)

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Hospitality Management core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English 121 (3)</i>	<i>Placement by Advisor</i>
2420:211 Basic Accounting I (3)	
2280:101 Introduction to Hospitality (3)	
2280:120 Safety and Sanitation (2)	
2280:121 Fundamentals of Food Preparation I (4)	2280:120 (corequisite)
Total Credits = 15	

Year 1 Spring	Prerequisite
2030:161 <i>Mathematics for Modern Technology (4)</i>	<i>Placement by Advisor</i>
2420:263 <i>Professional Communications and Presentations (3)</i>	
2420:103 Essentials of Management (3)	
2420:270 Business Software Applications (3)	2440:105 or Placement Test
2280:160 Wine and Beverage Service (3)	
Total Credits = 16	

Year 2 Fall	Prerequisite
2040:247 <i>Survey of Basic Economics (3)</i>	
2280:232 Dining Room Service & Training (3) (Lab)	
2280:250 Front Office Operations (3) (Note a)	2280:101, 2030:161, 2420:211
2280:268 Revenue Centers (3) (Note a)	2280:101
2280:280 Special Events Management (3) (Note a)	2280:101, 2280:232
Total Credits = 15	

Year 2 Spring	Prerequisite
<i>Natural Science Requirement without Lab (3)</i>	<i>Natural Science Requirement without Lab (3)</i>
2280:237 Internship: Hospitality Management (3) (Note b)	2280:237 Internship: Hospitality Management (3)
2280:240 Supervision in the Hospitality Industry (3) (Note b)	2280:240 Supervision in the Hospitality Industry (3) (Note b)
2280:256 Hospitality Law (3) (Note b)	2280:256 Hospitality Law (3)
2280:278 Hospitality Industry Marketing (3) (Note b)	2280:278 Hospitality Industry Marketing (3) (Note b)
Total Credits = 15	

Total Credits for Degree = 61

Required Bridge Course

Students must pass department placement test, complete bridge course (**2440:105 Introduction to Computers and Application Software, 3 credits**), or gain entry permission from the Program Director.

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy Notes

- Students must achieve a "C" or better in each course in their major area (2280).
- The Department of Business and Information Technology requires a cumulative GPA of 2.0 and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.

Notes

- Fall only
- Spring only

Bachelor Degree Options

Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

Career Information

For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

Program Contact

- Jamal Feerasta, 330-972-6601, jamal@uakron.edu
- CAST Advising, Polsky Building Room 203, 330-972-7220

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

College of Applied Science and Technology

HOSPITALITY MANAGEMENT

HOTEL/LODGING MANAGEMENT OPTION 228003AAB

Associate of Applied Business Degree

http://www.uakron.edu/summitcollege/business_technology/hospitality-management/index.dot

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Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2280:120	Safety and Sanitation	2	
2280:101	Introduction to Hospitality	3	
2280:121	Fundamentals of Food Preparation I	4	2280:120 (Coreq)
2020:121	<i>English</i>	3	Placement by Advisor
2030:161	<i>Mathematics for Modern Technology</i>	4	Placement by Advisor
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2420:104	Introduction to Business in the Global Environment	3	
2420:263	<i>Professional Communications and Presentations -OR-</i>	3	2020:121 or 3300:111
7600:105	<i>Introduction to Public Speaking -OR-</i>		
7600:106	<i>Effective Oral Communications</i>		
2420:211	Basic Accounting I	3	
2040:247	<i>Survey of Basic Economics</i>	3	
2420:270	Business Software Applications	4	2440:105 or Placement Test
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2280:232	Dining Room Service & Training (Lab)	3	
2280:250	Front Office Operations (Note a)	3	2280:101, 2030:161, 2420:211
2280:268	Revenue Centers (Note a)	3	2280:101
2280:245	Menu, Purchasing, & Cost Control	4	2030:161, 2280:101, 2420:211
2280:280	Special Events Management (Note a)	3	2280:101, 2280:232
2040:254	<i>Black Experience 1619-1877 -OR-</i>	2	2020:121 or 3300:112
2040:257	<i>Black Experience 1877-1954 -OR-</i>		2020:121 or 3300:112
2040:258	<i>Black Experience 1954 to Present -OR-</i>		2020:121 or 3300:112
2040:256	<i>Diversity in American Society</i>		2020:121 or 3300:112
3350:275	<i>Geography of Cultural Diversity</i>		3300:111 or 3300:112
Total		18	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2280:160	Wine and Beverage Service	3	
2280:240	Supervision in the Hospitality Industry (Note b)	3	2280: 101
2280:256	Hospitality Law	3	2280:101
2280:278	Hospitality Industry Marketing (Note b)	3	2280:101
2040:240	<i>Human Relations</i>	3	
2280:237	Internship	2	Permission
Total		17	

	Total Credits for Degree	67	
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Required Bridge Course

Students must pass department placement test, complete bridge courses or gain entry permission from the program director.

2440:105	Intro to Computers & Application Software	3
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POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTES

- a. Fall Only
- b. Spring Only

PROGRAM CONTACT

Jamal Feerasta, Polsky Building M181, 330-972-6601, jamal@uakron.edu

CAREER INFORMATION

- For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

BACHELOR DEGREE OPTIONS

- Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE):

To be admitted to the College of Applied Science & Technology, a student must have a GPA of 2.0. A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

(Holmes) Gilpatric

Hospitality Management

Culinary Arts Option, Associate of Applied Business Degree (228004AAB)

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Hospitality Management core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify the courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	<i>Placement by Advisor</i>
2420:211 Basic Accounting I (3)	
2280:101 Introduction to Hospitality (3)	
2280:120 Safety and Sanitation (2)	
2280:121 Fundamentals of Food Preparation I (4)	2280:120 (Corequisite)
Total Credits = 15	

Year 1 Spring	Prerequisite
2030:161 <i>Mathematics for Modern Technology (4)</i>	<i>Placement by Advisor</i>
2420:270 Business Software Applications (3)	2440:105 or Placement Test
2280:122 A La Carte Cooking (4)	2280:101, 2280:120, 2280:121
2280:160 Wine and Beverage Service (3)	
2280:232 Dining Room Service & Training (3) (Lab)	
Total Credits = 17	

Year 2 Fall	Prerequisite
2420:263 <i>Professional Communications and Presentations (3)</i>	
2040:247 <i>Survey of Basic Economics (3)</i>	
2420:103 Essentials of Management Technology (3)	
2280:261 Baking and Classical Desserts (3) (Note a)	2280:121
2280:245 Menu, Purchasing, and Cost Control (4) (Note a)	2030:161, 2280:101
Total Credits = 16	

Year 2 Spring	Prerequisite
<i>Natural Science Requirement without Lab (3)</i>	
2280:230 Advanced Food Preparation (4) (Note b)	2280:101 and 2280:122
2280:233 Restaurant Operations and Management (4) (Note b)	2280:122, 2280:232, 2280:245
2280:237 Internship: Hospitality Management (3) (Note b)	Permission
2280:278 Hospitality Industry Marketing (3) (Note b)	2280:101
Total Credits = 17	

Total Credits for Degree = 65

Required Bridge Course

Students must pass department placement test, complete bridge course (**2440:105 Introduction to Computers and Application Software, 3 credits**), or gain entry permission from the Program Director.

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy Notes

- Students must achieve a "C" or better in each course in their major area (2280).
- The Department of Business and Information Technology requires a cumulative GPA of 2.0 and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.

Notes

- Fall only
- Spring only

Bachelor Degree Options

Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

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Program Contact

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- CAST Advising, Polsky Building Room 203, 330-972-7220

Transfer to the College of Applied Science and Technology

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College of Applied Science and Technology

HOSPITALITY MANAGEMENT

CULINARY ARTS OPTION 228004AAB

Associate of Applied Business Degree

http://www.uakron.edu/summitcollege/business_technology/hospitality-management/index.dot

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Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2280:120	Safety and Sanitation	2	
2280:101	Introduction to Hospitality	3	
2280:121	Fundamentals of Food Preparation I	4	2280:120 (Coreq)
2020:121	<i>English</i>	3	Placement by Advisor
2030:161	<i>Mathematics for Modern Technology</i>	4	Placement by Advisor
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2420:104	Introduction to Business in the Global Environment	3	
2280:122	Fundamentals of Food Preparation II	4	2280:101, 2280:120, 2280:121
2280:232	Dining Room Service & Training (Lab)	3	
2420:211	Basic Accounting I	3	
7760:133	Nutrition Fundamentals	3	
2420:270	Business Software Applications	4	2440:105 or Placement Test
Total		20	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2420:263	<i>Professional Communications and Presentations -OR-</i>	3	2020:121 or 3300:111
7600:105	<i>Introduction to Public Speaking -OR-</i>		
7600:106	<i>Effective Oral Communications</i>		
2040:247	<i>Survey of Basic Economics</i>	3	
2280:261	Baking and Classical Desserts	4	2280:121
2280:245	Menu, Purchasing, & Cost Control	4	2030:161, 2280:101, 2420:211
2040:254	<i>Black Experience 1619-1877 -OR-</i>	2	2020:121 or 3300:112
2040:257	<i>Black Experience 1877-1954 -OR-</i>		2020:121 or 3300:112
2040:258	<i>Black Experience 1954 to Present -OR-</i>		2020:121 or 3300:112
2040:256	<i>Diversity in American Society -OR-</i>		2020:121 or 3300:112
3350:275	<i>Geography of Cultural Diversity</i>		3300:111 or 3300:112
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2280:160	Wine and Beverage Service	3	
2280:230	Advanced Food Preparation	4	2280:101 and 2280:122
2280:256	Hospitality Law	3	2280:101
2280:233	Restaurant Operations and Management	4	2280:122, 2280:232, 2280:245
2040:240	<i>Human Relations</i>	3	
2280:237	Internship	2	Permission
Total		19	

	Total Credits for Degree	71	
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Required Bridge Courses

Students must pass department placement test, complete bridge courses or gain entry permission from the program director.

2440:105	Intro to Computers & Application Software	3
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POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

PROGRAM CONTACT

Jamal Feerasta, Polsky Building M181, 330-972-6601, jamal@uakron.edu

CAREER INFORMATION

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BACHELOR DEGREE OPTIONS

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(Holmes) Gilpatric

College of Applied Science and Technology

HOSPITALITY MANAGEMENT

RESTAURANT MANAGEMENT OPTION 228006AAB

Associate of Applied Business Degree

http://www.uakron.edu/summitcollege/business_technology/hospitality-management/index.dot

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Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2280:120	Safety and Sanitation	2	
2280:101	Introduction to Hospitality	3	
2420:104	Introduction to Business in the Global Environment	3	
2020:121	<i>English</i>	3	Placement by Advisor
2030:161	<i>Mathematics for Modern Technology</i>	4	Placement by Advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2280:121	Fundamentals of Food Preparation I	4	2280:120 (Coreq)
2280:232	Dining Room Service & Training (Lab)	3	
2280:243	Food Equipment and Plant Operations (Note a)	3	
2280:256	Hospitality Law	3	2280:101
2280:245	Menu, Purchasing, & Cost Control	4	2030:161, 2280:101, 2420:211
2420:211	Basic Accounting I	3	
Total		20	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2040:240	<i>Human Relations</i>	3	
2040:247	<i>Survey of Basic Economics</i>	3	
2280:122	Fundamentals of Food Preparation II	4	2280:101, 2280:120, 2280:121
2280:160	Wine and Beverage Service	3	
2420:263	<i>Professional Communications and Presentations -OR-</i>	3	2020:121 or 3300:111
7600:105	<i>Introduction to Public Speaking -OR-</i>		
7600:106	<i>Effective Oral Communications</i>		
2040:254	<i>Black Experience 1619-1877 -OR-</i>	2	2020:121 or 3300:112
2040:257	<i>Black Experience 1877-1954 -OR-</i>		2020:121 or 3300:112
2040:258	<i>Black Experience 1954 to Present -OR-</i>		2020:121 or 3300:112
2040:256	<i>Diversity in American Society -OR-</i>		2020:121 or 3300:112
3350:275	<i>Geography of Cultural Diversity</i>		3300:111 or 3300:112
Total		18	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2280:240	Supervision in the Hospitality Industry(Note a)	3	2280:101
2280:278	Hospitality Industry Marketing (Note a)	3	2280:101
2280:233	Restaurant Operations and Management	4	2280:122, 2280:232, 2280:245
2420:270	Business Software Applications	4	2440:105 or Placement by Advisor
2280:237	Internship	2	Permission
Total		16	

	Total Credits for Degree	69	
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Required Bridge Course

Students must pass department placement test, complete bridge courses or gain entry permission from the program director.

2440:105	Intro to Computers & Application Software	3
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POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTE

- a. Spring Only

PROGRAM CONTACT

Jamal Feerasta, Polsky Building M181, 330-972-6601, jamal@uakron.edu

PROGRAM INFORMATION**CAREER INFORMATION**

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BACHELOR DEGREE OPTIONS

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TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE):

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(Holmes) Gilpatric

College of Applied Science and Technology

HOSPITALITY MANAGEMENT

RESTAURANT MANAGEMENT OPTION 228006AAB

Associate of Applied Business Degree

http://www.uakron.edu/summitcollege/business_technology/hospitality-management/index.dot

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Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2280:120	Safety and Sanitation	2	
2280:101	Introduction to Hospitality	3	
2420:104	Introduction to Business in the Global Environment	3	
2020:121	<i>English</i>	3	Placement by Advisor
2030:161	<i>Mathematics for Modern Technology</i>	4	Placement by Advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2280:121	Fundamentals of Food Preparation I	4	2280:120 (Coreq)
2280:232	Dining Room Service & Training (Lab)	3	
2280:243	Food Equipment and Plant Operations (Note a)	3	
2280:256	Hospitality Law	3	2280:101
2280:245	Menu, Purchasing, & Cost Control	4	2030:161, 2280:101, 2420:211
2420:211	Basic Accounting I	3	
Total		20	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2040:240	<i>Human Relations</i>	3	
2040:247	<i>Survey of Basic Economics</i>	3	
2280:122	Fundamentals of Food Preparation II	4	2280:101, 2280:120, 2280:121
2280:160	Wine and Beverage Service	3	
2420:263	<i>Professional Communications and Presentations -OR-</i>	3	2020:121 or 3300:111
7600:105	<i>Introduction to Public Speaking -OR-</i>		
7600:106	<i>Effective Oral Communications</i>		
2040:254	<i>Black Experience 1619-1877 -OR-</i>	2	2020:121 or 3300:112
2040:257	<i>Black Experience 1877-1954 -OR-</i>		2020:121 or 3300:112
2040:258	<i>Black Experience 1954 to Present -OR-</i>		2020:121 or 3300:112
2040:256	<i>Diversity in American Society -OR-</i>		2020:121 or 3300:112
3350:275	<i>Geography of Cultural Diversity</i>		3300:111 or 3300:112
Total		18	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2280:240	Supervision in the Hospitality Industry(Note a)	3	2280:101
2280:278	Hospitality Industry Marketing (Note a)	3	2280:101
2280:233	Restaurant Operations and Management	4	2280:122, 2280:232, 2280:245
2420:270	Business Software Applications	4	2440:105 or Placement by Advisor
2280:237	Internship	2	Permission
Total		16	

	Total Credits for Degree	69	
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Required Bridge Course

Students must pass department placement test, complete bridge courses or gain entry permission from the program director.

2440:105	Intro to Computers & Application Software	3
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POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTE

- a. Spring Only

PROGRAM CONTACT

Jamal Feerasta, Polsky Building M181, 330-972-6601, jamal@uakron.edu

PROGRAM INFORMATION**CAREER INFORMATION**

For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

BACHELOR DEGREE OPTIONS

Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE):

To be admitted to the College of Applied Science & Technology, a student must have a GPA of 1.75. A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

(Holmes) Gilpatric

HOSPITALITY MANAGEMENT

HOTEL MARKETING AND SALES OPTION 228007AAB

Associate of Applied Business Degree

The following information has official approval of **Summit College**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/advising/docs/GEN-EDUC.pdf>.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2280:120	Safety and Sanitation	2	
2280:101	Introduction to Hospitality	3	
2420:272	Microsoft PowerPoint	2	2540:140 or 2540:143 or Permission
2020:121	<i>English</i>	3	Placement by Advisor
2030:161	<i>Mathematics for Modern Technology</i>	4	Placement by Advisor
2420:263	<i>Professional Communications and Presentations -OR-</i>	3	2020:121 or 3300:111 for all options
7600:105	<i>Introduction to Public Speaking -OR-</i>		
7600:106	<i>Effective Oral Communications</i>		
Total		17	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2040:240	<i>Human Relations</i>	3	
2280:121	Fundamentals of Food Preparation I	4	2280:120 (Coreq)
2280:232	Dining Room Service & Training (Lab)	3	
2420:211	Basic Accounting I	3	
2420:270	Business Software Applications	4	2440:105 or Placement by Advisor
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2420:104	Intro. to Business in the Global Environment	3	
2280:250	Front Office Operations (Note a)	3	2280:101, 2030:161, 2420:211
2280:268	Revenue Centers (Note a)	3	2280:101
2280:280	Special Events Management (Note a)	3	2280:101, 2280:232
2520:206	Retail Promotion & Advertising	3	2520:202
2040:254	<i>Black Experience 1619-1877 -OR-</i>	2	2020:121 or 3300:112
2040:257	<i>Black Experience 1877-1954 -OR-</i>		2020:121 or 3300:112
2040:258	<i>Black Experience 1954 to Present -OR-</i>		2020:121 or 3300:112
2040:256	<i>Diversity in American Society -OR-</i>		2020:121 or 3300:112
3350:275	<i>Geography of Cultural Diversity</i>		2020:121 or 3300:112
Total		17	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2280:240	Supervision in the Hospitality Industry(Note b)	3	2280:101
2280:278	Hospitality Industry Marketing (Note b)	3	2280:101
2280:256	Hospitality Law	3	2280:101
2520:212	Principles of Sales	3	2520:101
2040:247	<i>Survey of Basic Economics</i>	3	
2280:237	Internship	2	Permission
Total		17	

	Total Credits for Degree	68	
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Required Bridge Courses

Students must pass department placement test, complete bridge courses or gain entry permission from the program director.

2420:140/2540:143	Keyboarding for Nonmajors or Microsoft Word-Beginning	2
2440:105	Intro to Computers & Application Software	3
	Total	5

POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTES

- a. Fall Only
- b. Spring Only

PROGRAM CONTACT

Jamal Feerasta, Polsky Building M181, 330-972-6601, jamal@uakron.edu

PROGRAM INFORMATION

Hospitality Management offers specialized and practical course experience with options in restaurant management, hotel and lodging operations, and culinary arts. Training is focused on helping students to develop their own operational systems and management structure to broaden their career base in the highly interrelated fields within the hospitality industry. Hospitality Management students also manage their own full service restaurant, The Crystal Room Restaurant, located in Gallucci Hall.

CAREER INFORMATION

- For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at Simmons Hall room 301 <http://www.uakron.edu/career>.

BACHELOR DEGREE OPTIONS

- Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

TRANSFER TO SUMMIT COLLEGE

To be admitted to Summit College, a student must have a GPA of 1.75. A student in University College can complete this transfer process through an appointment with an Academic Advisor, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Advisor in the College in which they reside.

(Holmes) Gilpatric

College of Applied Science and Technology PARALEGAL STUDIES 229000AAS

Associate Degree

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement by Adviser
2040:240	<i>Human Relations (Social Science Requirement)</i>	3	
2030:161	<i>Math for Modern Technology</i>	4	Placement by Adviser
7600:106	<i>Effective Oral Communication (Speech/ Oral Communication Requirement)</i>	3	
2290:101	Introduction to Paralegal Studies	3	
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2290:214	Civil Procedures	3	2290:101
2290:118	Probate Administration	4	2290:101
2440:105	Introduction To Computers & Application Software	3	
2290:104	Basic Legal Research and Writing	3	2290:101
2020:222	<i>Technical Report Writing</i>	3	2020:121 or 3300:111 or equivalent
2220:104	Evidence and Criminal Legal Process	3	2220:100
Total		19	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2290:204	Advanced Legal Research	3	2290:101, 2290:104
2290:112	Family Law	3	2290:101
2290:XXX	Technical Electives	3	
2290:218	Advanced Probate Administration	3	2290:101, 2290:118
2290:110	Tort Law	3	2290:101
2040:242	<i>American Urban Society (Social Science Requirement)</i>	3	
Total		18	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2290:106	Business Associations	3	2290:101
2290:XXX	Technical Electives	3	
2290:220	Paralegal Internship	4	2290:101, 2290:104, Department consent
2420:211	Basic Accounting I	3	
2040:256	<i>Diversity in American Society (Area Studies/Cultural Diversity Requirement)</i>	2	2020:222 or 3300:112 or equivalent
Total		15	

	Total Credits for Degree	68	
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POLICY ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements.

Required Technical Electives (Choose 6 credit hours from the following): Pre-requisite

2290:108	Real Estate Transactions	3	2290:101
2290:216	Debtor Creditor Relations	3	2290:101
2290:105	Law Office Technology	3	2290:101

Note: You can take the CISBR test to bypass Intro to Computer Application Software at the Placement Office, Schrank Hall North, Room 152. On the CISBR Placement Test, you will need a minimum score of 70 percent. If your score is 70 percent or higher, you will not need to take the course. However, you will still need to fulfill the 3 credit hours requirement. In order to fulfill the 3 credit hours, you must enroll in one course from the “Required Technical Electives” area. If your score is below 70 percent, you must take Intro to Computer Application Software. To take the test, please see your academic adviser for Placement Test Form. If you choose not to take the CISBR test, you are required to take Intro to Computer Application Software.

You must have a minimum cumulative GPA of 2.0 to graduate with this degree.

Contact Person: Mr. Dwayne Jones Esq., Public Service Technology, Polsky Building, Room 161, 330-972-8191, e-mail address: djones2@uakron.edu.

Associate of Technical Studies

Associate of Technical Studies Degree (230000ATS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 English 121 (3)	<i>Appropriate placement by Advisor</i>
Math Requirement (Note a)	<i>Appropriate placement by Advisor</i>
2040:240 Human Relations (3)	
2040:242 American Urban Society (3) -OR- 2040:244 Death and Dying (3) -OR- 2040:256 Diversity in American Society (3)	2020:121 or 3300:112 or equivalent
Natural Science Requirement without Lab (3)	
Total Credits = 15-16	

Year 1 Spring	Prerequisite
2420:263 Professional Communications and Presentations (3)	<i>Prerequisite or corequisite: 2020:121 or 3300:111</i>
Electives (Notes b & d)	
2020:222 Technical Report Writing (3)	2020:121 or 3300:111 or equivalent
Total Credits = 15	

Year 2 Fall	Prerequisite
Electives (Notes b & d)	
Total Credits = 0-10	

Year 2 Spring	Prerequisite
Electives (Notes b & d)	
Total Credits = 0-10	

Total University of Akron Credits = 30 minimum
Block Credits (Notes c & d) = minimum of 8 up to 30
Electives (Note d) = minimum of 15 up to 37 credits
Total Credits for Degree = 60 minimum

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes

- The mathematics requirement varies by department. Please consult an adviser for specific requirements. (Students enrolling in a higher-level mathematics course may use it to meet their General Education requirement.) See General Education requirements for listing of courses.
- In the technical studies program, a student is encouraged to complete general education requirements as electives.
- A student is eligible to receive up to 30 credits of block credit from licensure in a technical field including but not limited to: Automotive/Collision Repair, Cosmetology, Dental Assisting, HVAC, Insurance, Massage Therapy, Real Estate, US Military Service, Welding. Students interested in this degree must consult with Kelly Herold prior to admission to this program.
- Block Credits and Elective Credits are subject to dean's office approval.

Contact Information

Assistant Dean – Kelly Herold, Polsky 215, 330-972-8832 or kherold@uakron.edu

For information about the one-year Associate of Technical Studies degree, contact Assistant Dean Kelly Herold at 330-972-8832 or kherold@uakron.edu.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Business Management Technology

General Option, Associate of Applied Business Degree (242002AAB)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Business Management Technology core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	<i>Placement by Advisor</i>
2520:101 Essentials of Marketing Technology (3)	
2420:103 Essentials of Management Technology (3)	
2420:104 Intro to Business in the Global Environment (3)	
2420:211 Basic Accounting I (3)	
Total Credits = 15	

Year 1 Spring	Prerequisite
2030:161 <i>Math for Modern Technology (4)</i> -OR- 3470:250 <i>Statistics for Everyday Life (4)</i> -OR- 3450:145 <i>College Algebra (4)</i>	<i>Placement by Advisor</i>
2420:263 <i>Professional Communications and Presentations (3)</i>	
2420:125 Essentials of Personal Finance (3) (Note b)	
2420:213 Essentials of Management Accounting (3)	2420:211
2420:270 Business Software Applications (3)	2440:105 or placement test
Total Credits = 16	

Year 2 Fall	Prerequisite
<i>Natural Science Requirement without Lab (3)</i>	
2040:247 <i>Survey of Basic Economics (3)</i> -OR- 3250:200 <i>Principles of Microeconomics (3)</i>	
2520:212 Principles of Sales (3) (Note a)	2520:101 or permission
2420:202 Elements of Human Resource Management (3)	2420:103 or permission
2420:243 Survey in Finance (3)	2420: 211
Total Credits = 15	

Year 2 Spring	Prerequisite
2040:244 <i>Death and Dying (3)</i> -OR- 2040:254 <i>Black Experience 1619-1877 (2)</i> -OR- 2040:256 <i>Diversity in American Society (3)</i> -OR- 2040:257 <i>Black Experience 1877-1954 (2)</i> -OR- 2040:258 <i>Black Experience 1954-Present (2)</i>	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
3250:201 Principles of Macroeconomics (3)	3250:200
2420:217 Survey of Taxation (3) (Note b)	
2420:250 Problems in Business Management (3) (Note b)	2420:103, 2420:104, 2420:211, 2420:243, 2420:270, 2520:101
2420:280 Essentials of Business Law (3) (Note b)	
Total Credits = 14-15	

Total Credits for Degree = 60 minimum

Required Bridge Course

Students must pass department placement test, complete bridge course (**2440:105 Introduction to Computers and Application Software, 3 credits**), or gain entry permission from the Program Director.

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy Notes

- Students must achieve a "C" or better in each course in their major area (2420).
- The Dept. of Business and Information Technology requires a cumulative GPA of 2.0 and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.

Notes:

- Fall only
- Spring only

Bachelor Degree Options

Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

Career Information

For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

Program Contact

- Susan Pope, Polsky Building Room M185K, 330-972-6597, spope@uakron.edu
- CAST Advising, Polsky Building Room 203, 330-972-7220

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

College of Applied Science and Technology

BUSINESS MANAGEMENT TECHNOLOGY 242002AAB

General Option

Associate of Applied Business Degree

https://www.uakron.edu/summitcollege/business_technology/business-management-tech/index.dot

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement by Advisor
2420:104	Intro to Business in the Global Environment	3	
2420:170	Applied Mathematics for Business (note a.)	3	Placement by Advisor
2420:211	Basic Accounting I	3	
2520:101	Essentials of Marketing Technology	3	
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2420:103	Essentials of Management Technology	3	
2420:125	Essentials of Personal Finance (note b.)	3	
2420:212	Basic Accounting II	3	2420:211
2420:270	Business Software Applications	4	2440:105 or Placement Test
2030:161	<i>Math for Modern Technology</i>		Placement by Advisor
	-OR-		
3450:145	<i>College Algebra</i> (Required if planning a Bachelor's Degree in Business)	4	Placement by Advisor
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2420:243	Survey in Finance (note a.)	3	2420:170, 2420:211
2420:202	Elements of Human Resource Management	3	2420:103 or Permission
2420:213	Essentials of Management Accounting (note b.)	3	2420:211
2520:203	Principles of Advertising (note a)		2520:101 or 6600:300
	-OR-		
2520:212	Principles of Sales	3	2520:101
2420:263	<i>Professional Communications and Presentations</i> -OR-		
7600:105	<i>Introduction to Public Speaking</i> -OR-	3	2020:121 or 3300:111 for all courses
7600:106	<i>Effective Oral Communications</i>		
Total		15	

2 nd Year		Spring Semester	
2040:240	<i>Human Relations</i>	3	
2040:247	<i>Survey of Basic Economics</i>	3	
3250:200	<i>Principles of Microeconomics</i>		
2420:280	Essentials of Business Law	3	
2420:250	Problems in Business Management (note a.)	3	2420:103, 2420:104, 2420:212, 2420:243, 2520:101, 2420:270
2420:217	Survey of Taxation (note b.)	4	
2040:254	<i>Black Experience 1619-1877 -OR-</i>	2	2020:122 or 3300:112
2040:257	<i>Black Experience 1877-1954 -OR-</i>		2020:122 or 3300:112
2040:258	<i>Black Experience 1954 to Present -OR-</i>		2020:122 or 3300:112
2040:256	<i>Diversity in American Society</i>		2020:122 or 3300:112
Total		18	
Total Credits for Degree		65	

Required Bridge Course

Students must pass department placement test, complete bridge courses or gain entry permission from the program director.

2420:140	Keyboarding	2
2440:105	Intro to Computers & Application Software	3

POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTES

- Fall – course is offered during the day; Spring – course is offered during the evening
- Spring – course is offered during the day; Fall – course is offered during the evening

PROGRAM CONTACT

Susan Pope, Polsky Building Room M185K, 330-972-6597, spope@uakron.edu

CAREER INFORMATION

For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

BACHELOR DEGREE OPTIONS

Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE):

To be admitted to the College of Applied Science & Technology, a student must have a GPA of 2.0. A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

(Ward) Pope

BUSINESS MANAGEMENT TECHNOLOGY242002 General Business Option

(Effective for students admitted Fall Semester 2006)

Students entering the program must demonstrate a fundamental knowledge of computer software and keyboarding by examination (CISBR) or take the following bridge courses prior to enrolling in the program:

2440:105 Introduction to Computers and Application Software
2540:290 ST: Keyboarding for Skill Development

C E R FIRST YEAR

<u>Fall Semester</u>		<u>Credit Hours</u>	<u>Prerequisites</u>	
___	___	2040:240 Human Relations	3	
		or		
___	___	3750:100 Introduction to Psychology	3	
___	___	2420:104 Introduction to Business in the Global Environment	3	Recommended in first semester
		or		
___	___	6100:101 Global Business Concepts and Practices	3	
___	___	2420:170 Applied Mathematics for Business	3	Placement by Adviser
___	___	3300:111 English Composition I	4	Placement by Adviser
___	___	3600:120 Introduction to Ethics	<u>3</u>	
			16	
<u>Spring Semester</u>				
___	___	2040:247 Survey of Basic Economics	3	
		or		
___	___	3250:200 Principles of Microeconomics	3	
___	___	2440:125 Spreadsheet Software	2	Placement by Adviser
___	___	2520:101 Essentials of Marketing Technology	3	
___	___	2880:232 Labor Management Relations	3	
___	___	3300:112 English Composition II	3	3300:111
___	___	2540:263 Professional Communication and Presentations	3	3300:111, or permission
		or		
___	___	7600:106 Effective Oral Communication	<u>3</u>	
			17	
SECOND YEAR				
<u>Fall Semester</u>				
___	___	2420:103 Essentials of Management Technology	3	
___	___	2420:211 Basic Accounting I	3	
___	___	2420:243 Survey in Finance	3	2040:247; 2420:211 (coreq.) and 170
___	___	2420:280 Essentials of Business Law	3	
		or		
___	___	6400:220 Legal and Social Environment of Business	3	
___	___	6300:201 Introduction to Entrepreneurship	<u>3</u>	
			15	
<u>Spring Semester</u>				
___	___	2420:202 Elements of Human Resource Management	3	2420:103
___	___	2420:212 Basic Accounting II	3	2420:211
___	___	2420:218 Automated Bookkeeping	2	2420:211
___	___	2420:246 Business Management Internship	3	32 credits, including 2040:240, 2420:103, 104, 212, 280, and 6300:201
		or		
___	___	2420:250 Problems in Business Management	3	2420:103, 104, 212, 243; 2520:101
___	___	2540:289 Career Development for Business Professionals	3	
___	___	6200:250 Spreadsheet Modeling & Decision Analysis		Spreadsheet proficiency; 6200:201, or 24 credits completed
			<u>3</u>	
			17	

TOTAL CREDITS - 65**C = Completed E = Exempt R = Required**

BUSINESS MANAGEMENT TECHNOLOGY

General Business Option

Doug Woods - Coordinator

C-217

(330) 684-8723

dbw@uakron.edu

Wayne College's associate degree in Business Management Technology - General Business option provides the relevant, practical managerial training needed for the responsibilities of first-level supervisory and managerial positions. This program can also assist people who are preparing for promotion to first- and second-level supervisory positions or people who lack significant work experience and are preparing for management training positions. Typical job titles include:

- Operations Supervisor
- Management Trainee
- Production Scheduling Manager
- Quality Control Inspector

The starting salary for these positions will depend on your level of education, skills, experience, the size of the company, and geographic area. The average starting salary for the positions listed above is \$12,000 - \$25,000.

NOTE:

If you are pursuing an associate degree and have completed twelve or more semester credits, we suggest that you schedule an appointment with an academic adviser to transfer into Summit College and to produce a student degree agreement (contract). The degree agreement is a formal statement of the courses that you must complete to satisfy your degree requirements.

Business Management Technology

Small Business Management Option, Associate of Applied Business Degree (242007AAB)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Business Management Technology core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	<i>Placement by Advisor</i>
2520:101 Essentials of Marketing Technology (3)	
2420:103 Essentials of Management Technology (3)	
2420:104 Intro to Business in the Global Environment (3)	
2420:211 Basic Accounting I (3)	
Total Credits = 15	

Year 1 Spring	Prerequisite
2030:161 <i>Math for Modern Technology (4)</i> -OR- 3470:250 <i>Statistics for Everyday Life (4)</i> -OR- 3450:145 <i>College Algebra (4)</i>	<i>Placement by Advisor</i>
2420:117 Small Business Development (3) (Note b)	2420:211 or permission
2420:125 Essentials of Personal Finance (3) (Note b)	
2420:213 Essentials of Management Accounting II (3)	2420:211
2420:270 Business Software Applications (3)	2440:105 or placement test
Total Credits = 16	

Year 2 Fall	Prerequisite
2040:247 <i>Survey of Basic Economics (3)</i> -OR- 3250:200 <i>Principles of Microeconomics (3)</i>	
2420:263 <i>Professional Communications and Presentations (3)</i>	
<i>Natural Science Requirement without Lab (3)</i>	
2420:202 Elements of Human Resource Management (3)	2420:103 or permission
2420:243 Survey in Finance (3) (Note b)	2420:211
Total Credits = 15	

Year 2 Spring	Prerequisite
2040:244 <i>Death and Dying (3)</i> -OR- 2040:254 <i>Black Experience 1619-1877 (2)</i> -OR- 2040:256 <i>Diversity in American Society (3)</i> -OR- 2040:257 <i>Black Experience 1877-1954 (2)</i> -OR- 2040:258 <i>Black Experience 1954-Present (2)</i>	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
2520:203 Principles of Advertising (3)	2520:101 or 6600:205
2420:217 Survey of Taxation (3) (Note b)	
2420:227 Entrepreneurship Projects (3) (Note b) -OR- 2420:246 Business Management Internship (3) -OR- 2420:250 Problems in Business Management (3) (Note b)	2420:103, 2420:104, 2420:211, 2420:117, 2420:243, 2420:270 32 credits and (2420:103, 104, 211, 270), 2420:103/104/211/243/270, 2520:101
2420:280 Essentials of Business Law (3) (Note b)	
Total Credits = 14-15	

Total Credits for Degree = 60 minimum

Required Bridge Course

Students must pass department placement test, complete bridge course (**2440:105 Introduction to Computers and Application Software, 3 credits**), or gain entry permission from the Program Director.

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy Notes

- Students must achieve a "C" or better in each course in their major area (2420).
- The Dept. of Business and Information Technology requires a cumulative GPA of 2.0 and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.

Notes:

- Fall only
- Spring only

Bachelor Degree Options

Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

Career Information

For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

Program Contact

- Susan Pope, Polsky Building Room M185K, 330-972-6597, spope@uakron.edu
- CAST Advising, Polsky Building Room 203, 330-972-7220

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

College of Applied Science and Technology

BUSINESS MANAGEMENT TECHNOLOGY 242007AAB

SMALL BUSINESS MANAGEMENT OPTION

Associate of Applied Business Degree

https://www.uakron.edu/summitcollege/business_technology/business-management-tech/index.dot

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2040:247	<i>Survey of Basic Economics</i>	3	
2420:104	Intro to Business in the Global Environment	3	
2420:170	Applied Mathematics for Business (note b.)	3	Placement by Advisor
2420:103	Essentials of Management Technology	3	
2420:211	Basic Accounting I	3	
2520:101	Essentials of Marketing Technology	3	
Total		18	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement by Advisor
2420:117	Small Business Development (note a)	3	2420:211 or Permission
2420:212	Basic Accounting II	3	2420:211
2420:270	Business Software Applications	4	2440:105 or Placement Test
2030:161	<i>Math for Modern Technology</i>		Placement by Advisor
3450:145	-OR- <i>College Algebra (Required if planning a Bachelor's Degree in Business)</i>	4	Placement by Advisor
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2420:202	Elements of Human Resource Management	3	2420:103 or Permission
2420:217	Survey of Taxation (note c.)	4	
2520:203	Principles of Advertising (note a.)		2520:101 or 6600:300
2520:212	-OR- Principles of Sales	3	2520:101
2420:243	Survey in Finance (note b.)	3	2420:170, 2420:211
2420:263	<i>Professional Communications and Presentations</i> -OR-		
7600:105	<i>Introduction to Public Speaking</i> -OR-	3	2020:121 or 3300:111 for all courses
7600:106	<i>Effective Oral Communications</i>		
Total		16	

2 nd Year Spring Semester			
2040:240	<i>Human Relations</i>	3	
2440:140	Internet Tools	3	2440:105 or Placement Test
6100:201	-OR- Introduction to eBusiness		24 credits
2420:280	Essentials of Business Law	3	
2420:227	Entrepreneurship Projects (note d.)	3	2420:103, 2420:104, 2420:212, 2420:117, 2420:243, 2420:270
2420:125	Essentials of Personal Finance (note c.)	3	
2040:254	<i>The Black Experience from 1619 to 1877</i> -OR-	2	2020:122 or 3300:112
2040:257	<i>The Black Experience from 1877 to 1954</i> -OR-		2020:122 or 3300:112
2040:258	<i>The Black Experience 1954 to Present</i> -OR-		2020:122 or 3300:112
2040:256	<i>Diversity in American Society</i>		2020:122 or 3300:112
Total		17	
Total Credits for Degree		65	

Required Bridge Course

Students must pass department placement test, complete bridge courses or gain entry permission from the program director.

2420:104	Keyboarding	2
2440:105	Intro to Computers & Application Software	3

POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTE

- Spring Only
- Fall – course is offered during the day; Spring – course is offered during the evening
- Spring – course is offered during the day; Fall – course is offered during the evening
- Even years – course offered evenings only during the spring semester; Odd years – course offered days only during the spring semester

PROGRAM CONTACT

Susan Pope, Polsky Building Room M185K, 330-972-6597, spope@uakron.edu

CAREER INFORMATION

For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

BACHELOR DEGREE OPTIONS

Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE):

To be admitted to the College of Applied Science & Technology, a student must have a GPA of 2.0. A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

(Ward) Pope

Business Management Technology

Accounting Option, Associate of Applied Business Degree (242009AAB)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Business Management Technology core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	<i>Placement by Advisor</i>
2520:101 Essentials of Marketing Technology (3)	
2420:103 Essentials of Management Technology (3)	
2420:104 Introduction to Business in the Global Environment (3)	
2420:211 Basic Accounting I (3)	
Total Credits = 15	

Year 1 Spring	Prerequisite
2030:161 <i>Math for Modern Technology (4)</i> -OR- 3470:250 <i>Statistics for Everyday Life (4)</i> -OR- 3450:145 <i>College Algebra (4)</i>	<i>Placement by Advisor</i>
2420:263 <i>Professional Communications and Presentations (3)</i>	
<i>Natural Science Requirement without Lab (3)</i>	
2420:213 Essentials of Management Accounting (3)	2420:211
2420:270 Business Software Applications (3)	2440:105 or placement test
Total Credits = 16	

Year 2 Fall	Prerequisite
2040:247 <i>Survey of Basic Economics (3)</i> -OR- 3250:200 <i>Principles of Microeconomics (3)</i>	
2420:202 Elements of Human Resource Management (3)	2420:103 or permission
2420:214 Essentials of Intermediate Accounting (3) (Note a)	2420:211
2420:215 Computer Applications for Accounting Cycles (3) (Note a)	2420:211, 2420:213, 2420:270
2420:243 Survey in Finance (3)	2420: 211
Total Credits = 15	

Year 2 Spring	Prerequisite
2040:244 <i>Death and Dying (3)</i> -OR- 2040:254 <i>Black Experience 1619-1877 (2)</i> -OR- 2040:256 <i>Diversity in American Society (3)</i> -OR- 2040:257 <i>Black Experience 1877-1954 (2)</i> -OR- 2040:258 <i>Black Experience 1954-Present (2)</i>	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
2420:216 Survey of Cost Accounting (3) (Note b)	2420:213
2420:217 Survey of Taxation (3) (Note b)	
2420:220 Applied Accounting (3) (Note b) -OR- 2420:245 Business Management Accounting Internship (3) -OR- 2420:250 Problems in Business Management (3) (Note c)	2420:211, 2420:213, 2420:270 2420:211 and 2420:213, or 2420:215 and 2420:216 2420:103, 2420:104, 2420:211, 2420:243, 2420:270, 2520:101
2420:280 Essentials of Business Law (3) (Note b)	
Total Credits = 14-15	

Total Credits for Degree = 60 minimum

Required Bridge Course

Students must pass department placement test, complete bridge course (**2440:105 Introduction to Computers and Application Software, 3 credits**), or gain entry permission from the Program Director.

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy Notes

- Students must achieve a "C" or better in each course in their major area (2420).
- The Dept. of Business and Information Technology requires a cumulative GPA of 2.0 and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.

Notes:

- Fall only
- Spring only

Bachelor Degree Options

Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

Career Information

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Program Contact

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- CAST Advising, Polsky Building Room 203, 330-972-7220

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

College of Applied Science and Technology

BUSINESS MANAGEMENT TECHNOLOGY 242009AAB

ACCOUNTING OPTION

Associate of Applied Business Degree

https://www.uakron.edu/summitcollege/business_technology/business-management-tech/index.dot

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Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement by Advisor
2420:103	Essentials of Management Technology	3	
2420:104	Introduction to Business in the Global Environment	3	
2420:211	Basic Accounting I	3	
2420:170	Applied Mathematics for Business (note b.)	3	Placement by Advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2420:125	Essentials of Personal Finance (note c.)	3	
2420:212	Basic Accounting II	3	2420:211
2420:270	Business Software Applications	4	2440:105 or Placement Test
2420:263	<i>Professional Communications and Presentations -OR-</i>	3	2020:121 or 3300:111 for all courses
7600:105	<i>Introduction to Public Speaking -OR-</i>		
7600:106	<i>Effective Oral Communications</i>		
2030:161	<i>Math for Modern Technology -OR-</i>	4	Placement by Advisor
3450:145	<i>College Algebra</i> (Required if planning a Bachelor's Degree in Business)		Placement by Advisor
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2040:254	<i>Black Experience 1619-1877 -OR-</i>	2	2020:122 or 3300:112
2040:257	<i>Black Experience 1877-1954 -OR-</i>		2020:122 or 3300:112
2040:258	<i>Black Experience 1954 to Present -OR-</i>		2020:122 or 3300:112
2040:256	<i>Diversity in American Society</i>		2020:122 or 3300:112
2420:213	Essentials of Management Accounting (note c.)	3	2420:211
2420:215	Computer Applications for Accounting Cycles (note d.)	3	2420:212, 2420:213, 2420:270
2420:217	Survey of Taxation (note c.)	4	
2420:202	Elements of Human Resource Management	3	2420:103 or Permission
2520:101	<i>-OR-</i> Essentials of Marketing Technology		
2420:243	Survey in Finance (note b.)	3	2420:170, 2420: 211
Total		18	

2 nd Year Spring Semester			
2040:240	<i>Human Relations</i>	3	
2420:216	Survey of Cost Accounting (note a.)	3	2420:213
2420:220	Applied Accounting (note a.)	3	2420:212, 2420:213, 2420:270 2420:212 and 2420:213 or 2420:215 and 2420:216
2420:245	-OR- Accounting Internship (note e.)		
2420:280	Essentials of Business Law	3	
2420:250	Problems in Business Management (note b.)	3	2420:103, 2420:104, 2420:212, 2420:243, 2520:101; 2540:270 2420:103, 2420:104, 2420:117, 2420:212, 2420:243, 2420:270
2420:227	-OR- Entrepreneurship Projects (note a.)		
2040:247	<i>Survey of Basic Economics</i>	3	
Total		18	

	Total Credits for Degree	68	
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Required Bridge Course

Students must pass department placement test, complete bridge courses or gain entry permission from the program director.

2420:140	Keyboarding	2
2440:105	Intro to Computers & Application Software	3

POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTES

- Spring Only
- Fall – course is offered during the day, Spring – course is offered in the evening
- Spring – course is offered during the day, Fall – course is offered in the evening
- Even years – course offered evenings only during the fall semester; Odd years – course offered days only during the fall semester
- Student must meet with program contact

PROGRAM CONTACT

Susan Pope, Polsky Building Room M185K, 330-972-6597, spope@uakron.edu

CAREER INFORMATION

For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

BACHELOR DEGREE OPTIONS

Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE):

To be admitted to the College of Applied Science & Technology, a student must have a GPA of 2.0. A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

(Ward) Pope

BUSINESS MANAGEMENT TECHNOLOGY242009 Accounting Option

(Effective for students admitted Fall Semester 2006)

Students entering the program must demonstrate a fundamental knowledge of computer software and keyboarding by examination (CISBR) or take the following bridge courses prior to enrolling in the program:

2440:105 Introduction to Computers and Application Software
 2540:290 ST: Keyboarding for Skill Development

C	E	R	FIRST YEAR	Credit Hours	Prerequisites
			<u>Fall Semester</u>		
—	—	—	2420:104 Introduction to Business in the Global Environment	3	Recommended in first semester
			or		
—	—	—	6100:101 Global Business Concepts and Practices	3	
—	—	—	2420:170 Applied Mathematics for Business	3	Placement by Adviser
—	—	—	2420:211 Basic Accounting I	3	
—	—	—	3300:111 English Composition I	4	Placement by Adviser
—	—	—	3600:120 Introduction to Ethics	<u>3</u>	
				16	
			<u>Spring Semester</u>		
—	—	—	2040:240 Human Relations	3	
			or		
—	—	—	3750:100 Introduction to Psychology	3	
—	—	—	2040:247 Survey of Basic Economics	3	
			or		
—	—	—	3250:200 Principles of Microeconomics	3	
—	—	—	2420:212 Basic Accounting II	3	2420:211
—	—	—	2420:218 Automated Bookkeeping	2	2420:211
—	—	—	2440:125 Spreadsheet Software	2	
—	—	—	3300:112 English Composition II	<u>3</u>	3300:111
				16	
			SECOND YEAR		
			<u>Fall Semester</u>		
—	—	—	2420:103 Essentials of Management Technology	3	
—	—	—	2420:213 Essentials of Management Accounting	3	2420:211
—	—	—	2420:214 Essentials of Intermediate Accounting	3	2420:212
—	—	—	2420:243 Survey in Finance	3	2420:211; 2040:247; 2420:170
—	—	—	2420:280 Essentials of Business Law	3	
			or		
—	—	—	6400:220 Legal & Social Environment of Business	3	
—	—	—	2540:263 Professional Communication and Presentations	3	3300:111; or permission
			or		
—	—	—	7600:106 Effective Oral Communication	3	
				18	
			<u>Spring Semester</u>		
—	—	—	2420:216 Survey of Cost Accounting	3	2420:213
—	—	—	2420:217 Survey of Taxation	4	2420:212
—	—	—	2420:245 Business Management Accounting Internship	3	2420:212, 213, 216
—	—	—	2520:101 Essentials of Marketing Technology	3	
—	—	—	2540:289 Career Development for Business Professionals	3	
—	—	—	6200:250 Spreadsheet Modeling & Decision Analysis	<u>3</u>	Spreadsheet proficiency; 6200:201, or 24 credits completed
				19	

TOTAL CREDITS – 69 C = Completed E = Exempt R = Required

BUSINESS MANAGEMENT TECHNOLOGY

Accounting Option

Doug Woods - Coordinator

C-217

(330) 684-8723

dbw@uakron.edu

Graduates of the associate degree in Business Management Technology - Accounting option are qualified for such positions as Junior Accountant, Accounts Payable Supervisor, Management Trainee, Automated Bookkeeper I, Statistical Clerk, Payroll Clerk, and many others.

Many companies view graduates of the associate degree program as the preferred candidates for paraprofessional positions, such as accounts payable clerk and cost accounting specialist. Graduates have a solid understanding of basic principles of accounting as practiced in the modern automated office environment. These skills can then be successfully transferred to learning the employer's specific systems and methods of processing financial information.

NOTE:

If you are pursuing an associate degree and have completed twelve or more semester credits, we suggest that you schedule an appointment with an academic adviser to transfer into Summit College and to produce a student degree agreement (contract). The degree agreement is a formal statement of the courses that you must complete to satisfy your degree requirements.

Bachelor of Organizational Supervision (242010BS)

(Students must have 60 credits or an Associate Degree from an Accredited Institution)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Bachelor of Organizational Supervision core courses are in **bold** type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 3 Fall	Prerequisite
<i>General Education Requirements, if necessary</i>	See your Advisor
<i>Global Diversity General Education Tag Requirement, if necessary</i>	See your Advisor
2040:240 Human Relations (3)	
2420:300 Supervision in a Technical Environment (3)	
2420:301 Information Design (3)	2020:122, 2020:222 or 3300:111, 3300:112 or equivalent
2420:310 Leadership Principles and Practices for Technical Organizations (3)	2420:300 corequisite
Total Credits = 12+	

Year 3 Spring	Prerequisite
<i>General Education Requirements, if necessary</i>	See your Advisor
<i>Complex Systems General Education Tag Requirement, if necessary</i>	See your Advisor
3470:250 Statistics for Everyday Life (4) (Notes a & b) -OR- 3470:260 Basic Statistics (3) (Notes a & b)	
3750:380 Industrial/Organization Psychology (4)	3750:100 (See Note b)
2420:302 Ethics and Law in Business (3)	2020:122, 2020:222 or 3300:111, 3300:112 or equivalent
2420:311 Corporate Social Responsibility and Leadership (3)	2420:300 corequisite
Total Credits = 13+	

Year 4 Fall	Prerequisite
<i>General Education Requirements, if necessary</i>	See your Advisor
7600:325 Intercultural Communications (3) Fulfills Domestic Diversity Tag -OR- 7600:344 Small Group Communication (3)	7600:105 or 7600:106
2420:401 Leading Project Teams (3)	2420:310
2420:402 Operational Assessments and Improvements (3)	2420:310 & (3470:250 or 3470:260)
Total Credits = 9+	

Year 4 Spring	Prerequisite
<i>General Education Requirements, if necessary</i>	See your Advisor
2040:247 Survey of Basic Economics (3) Fulfills Critical Thinking Tag	
2420:420 Human Resources Development (3)	2420:310
2420:421 Senior Seminar in Organizational Supervision (3)	2420:402
Total Credits = 9+	

Total Credits for Degree = 120

Degree Requirements

General Education Credits Required	36-40	Discuss with Advisor. See Notes (a) to (c) below
Total 2420:300/400 Credits Required	27	See 2420 (Business Management Technology) courses above See department policy (a) below
Total 7600:3xx Credits Required	3	See 7600 (Communication) course options above
Total 3470 Credits Required	3-4	See 3470 (Statistics course options above. See (note c) below
Total 3750:3xx Credits Required	4	See 3750 (Psychology) course above
Total Certificate/Minor Credits (<i>if required</i>)	12+	See note (d) below. Discuss university-wide Certificates and Minors with Advisor.
Total Credits for Degree	120	Including 60 credit minimum (or an earned Associate degree to start program.

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Business and Information Technology Department Policy

- All students must receive a "C" or better in each course in his/her major area (2420).
- The Business and Information Technology Dept. requires a cumulative GPA of 2.0 for Inter-College Transfer into all Associate and Bachelor's degree programs.

Notes

- All students pursuing a bachelor's degree at the University of Akron must complete the General Education requirements. Students transferring to the Bachelors of Organizational Supervision who have not completed these requirements prior to acceptance into the program should meet with an academic advisor to review remaining courses.
- All students will be required to take Economics (2040:247 Survey of Basic Economics) and Psychology (2040:240 Human Relations) for their General Education Social Science requirements. BOS students may use 2030:240 Human Relations to replace 3750:100 Intro to Psychology as the prerequisite for 3750:380 Industrial/Organization Psychology.
- If a student has not completed Statistics as part of an Associate degree or General Education requirements, student must take this course even if they have met the math requirement for the General Education requirements.
- Students in Junior standing (at least 60 credits) who have not earned an Applied Associate degree (AAB or AAS) will be required to complete an undergraduate certificate or minor towards completion in their BOS degree.
- There are no exceptions to prerequisites for the BOS courses.
- All students will be required to complete a minimum of 34 credit hours of 300/400 level courses as listed below. In addition, students will be required to complete all necessary pre-requisites and to meet the general education requirements for all baccalaureate students at The University of Akron.**

Program Contact

Enoch Damson, Department Chair of Business and Information Technology – Polsky M181, 330-972-7162 or damson@uakron.edu

Program Information

The baccalaureate program in organizational supervision is designed specifically for students with an earned associate degree from an accredited institution or junior standing (60+ credits) at The University of Akron. The program prepares students to gain supervisory and leadership skills necessary for professional and career advancement. The program provides broad skills and competencies to be applied in industrial areas such as information technology, healthcare, communication, and manufacturing.

This program is offered on the UA main campus as well as at UA- Wayne Campus, and the Medina County University Center. Interested students should contact an adviser in the College of Applied Science and Technology (330-972-7220) to review their transcript and to develop a program of study. Check with the Department of Business and Information Technology for information regarding schedules and enrolling.

For additional information, please visit the Career Center at the Student Union, room 211 or visit the Bureau of Labor Statistics at www.bls.gov.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

College of Applied Science and Technology

Bachelors in Organizational Supervision 242010BS

(Must have 60 credits or an associate degree)

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

3 rd Year	Fall Semester	Credit Hours	Prerequisites
2420:300	Supervision in a Technical Environment	3	
2420:301	Information Design	3	2020:121, 2020:222 or 3300:111, 3300:112 or equivalent
2420:302	Ethical Issues in the Workplace	3	2020:121, 2020:222 or 3300:111, 3300:112 or equivalent
3470:250	<i>Statistics for Everyday Life</i>	4	Placement by Adviser
3470:260	<i>-OR- Basic Statistics (Important! Notes a, b)</i>	3	

3 rd Year	Spring Semester	Credit Hours	Prerequisites
2420:310	Leadership Principles & Practices for Technical Organizations	3	2420:300 or permission
2420:311	Community Service and Leadership in a Global Context	3	2420:300 or permission
7600:325	<i>Intercultural Communications</i>	3	7600:105 or 7600:106
7600:344	<i>-OR- Group Decision Making</i>		
7600:345	<i>-OR- Business and Professional Speaking</i>		
	General Education Requirements, if necessary (Note b)		See your advisor to discuss any remaining requirements

4 th Year	Fall Semester	Credit Hours	Prerequisites
2420:401	Leading Project Teams in Technical Organizations	3	2420:310
2420:402	Assessing and Improving Technical Organizations	3	3470:250 or 3470:260 & 2420:310
	General Education Requirements, if necessary (Note b)	6-9	See your advisor to discuss any remaining requirements

4 th Year	Spring Semester	Credit Hours	Prerequisites
2420:420	Human Capital Development for Technical Organizations	3	2420:310
2420:421	Senior Seminar in Organizational Supervision	3	2420:402
	General Education Requirements, if necessary (Note b)		See your advisor to discuss any remaining requirements

Degree Requirements

	TOTAL 2420:300/400 CREDITS REQUIRED	27	
	TOTAL 7600 CREDITS REQUIRED	3	See 7600 course options above
	GENERAL EDUCATION CREDITS REQUIRED	42	Discuss with Adviser. See Note b
	Credits from the University of Akron	32	Discuss with Adviser
	Total Credits for Degree	128 min	Including 60 credit minimum to start program or completion of associate degree

POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of 2.0 to graduate with this degree.

NOTES:

- a. If student hasn't completed Statistics as part of Associates Degree program or General Education Requirements, the student must take this course even if they have met the math requirement for the General Education Requirements.
- b. All students pursuing a bachelor's degree at the University of Akron must complete the General Education requirements. Students transferring to the Bachelors of Organizational Supervision who have not completed these requirements prior to acceptance into the program should meet with an academic advisor to review remaining courses.

PROGRAM CONTACT

Mr. Enoch Damson, Department Chair of Business Technology – Polsky M181, 330-972-7162 or damson@uakron.edu

PROGRAM INFORMATION

The baccalaureate program in organizational supervision is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron. Students interested in this program should contact an adviser in the College of Applied Science & Technology (330.972.7220) to review their transcript and to develop a program of study. All students will be required to complete a minimum of 30 credit hours of 300/400 level courses as listed below. In addition, students will be required to complete all necessary pre-requisites and to meet the general education requirements for all baccalaureate students at The University of Akron.

This program is offered on the UA main campus as well as at UA- Wayne Campus, Eastern Gateway Community College, Stark State College and the Medina County University Center. Check with the department of Business Technology for information regarding schedules and enrolling.

For additional information, please visit the Bureau of Labor Statistics at www.bls.gov or visit the Career Center at the Student Union, room 211.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (FORMERLY SUMMIT COLLEGE): To be admitted to the college, a student must have a 2.0 or better overall GPA. A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

(Rochester)

Reviewed w/Damson 8/9/13

Effective: Fall 2012
Last Updated: 9/16/14



College of Applied Science and Technology **BUSINESS MANAGEMENT TECHNOLOGY ACCOUNTING SPECIALIST Certificate – 242306C**

<https://www.uakron.edu/dotAsset/a66f5314-3110-44ea-9fef-e2f03c962675.pdf>

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

This certificate program is designed to address the needs of students who desire to develop an aptitude or interest in accounting technology. This program may be valuable to business technology majors and others who are pursuing a more specialized level of training to enhance their earning capability. This emphasis is on serving the objectives of those students seeking the higher skills level and toward providing the training for Certified Bookkeeper, a certification awarded by the American Institute of Professional Bookkeepers.

This certificate may be earned independent of earning a degree.

The following courses constitute a “Certificate in Business Management Technology – Accounting Specialist” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2420:211	Basic Accounting I	3	
2420:212	Basic Accounting II	3	2420:211
2420:213	Essentials of Management Accounting	3	
2420:217	Survey of Taxation	4	
2420:243	Survey of Finance	3	
2420:215 - OR - 2420:220	Computer Applications for Accounting Cycles Applied Accounting	3	
Total Credits for Certificate		19	

Students entering the Business Management Technology program must pass department placement exams or complete the following bridge courses prior to enrolling in the program.

Bridge Courses:

2440:105 Introduction to Computers & Application Software
2540:140 Keyboarding

PROGRAM CONTACT

Susan Pope, Polsky Building Room M185K, 330-972-6597, spope@uakron.edu

Computer Information Systems

Programming Option, Associate of Applied Business Degree (244106AAB)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

CIS core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	Placement by Advisor
2030:152 <i>Technical Mathematics II (2)</i> -AND- 2030:153 <i>Technical Mathematics III (2)</i>	Placement by Advisor; 2030:152 (must be passed with C- or better)
2420:104 Introduction to Business in the Global Environment (3)	
2440:121 Introduction to Logic/Programming (3)	2440:105 or placement test
2440:140 Internet Tools (3)	2440:105 or placement test
Total Credits = 16	

Year 1 Spring	Prerequisite
<i>Natural Science Requirement without Lab (3)</i>	
2420:103 Essentials of Management Technology (3)	
2440:145 Introduction to Unix/Linux (3)	2440:105 or placement test
2440:170 Visual BASIC (3) (Note b)	2440:121
2440:180 Database Concepts (3) (Note b)	2440:121
Total Credits = 15	

Year 2 Fall	Prerequisite
2420:263 <i>Professional Communications and Presentations (3)</i>	
2420:211 Basic Accounting I (3)	
2440:210 Client Server Programming (3) (Note a)	2440:180
2440:241 Systems Analysis and Design (3) (Note a)	2440:160/170/256 and 2440:180
2440:256 C++ Programming (3) (Note a)	2440:121
Total Credits = 15	

Year 2 Spring	Prerequisite
2040:247 <i>Survey of Basic Economics (3)</i>	
2040:244 <i>Death and Dying (3)</i> -OR- 2040:254 <i>Black Experience 1619-1877 (2)</i> -OR- 2040:256 <i>Diversity in American Society (3)</i> -OR- 2040:257 <i>Black Experience 1877-1954 (2)</i> -OR- 2040:258 <i>Black Experience 1954-Present (2)</i>	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
2420:202 Elements of Human Resource Management (3)	2420:103 or permission
2440:160 Java Programming (3) (Note b)	2440:121
2440:240 CIS Internship (3) (Note b)	2440:241, or 2440:202 and 2440:247, or 2440:282 and 2440:247
Total Credits = 14-15	

Total Credits for Degree = 60 minimum

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy

- Students must attain a "C" or better in each course in their major area (2440).
- The Department of Business and Information Technology requires a cumulative GPA of 2.0 and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.

Notes

- Traditionally Fall Only (See Program Contact)
- Traditionally Spring Only (See Program Contact)
- Additional classes may be needed to transition into a B.S. degree in Computer Information Systems

AAB CIS – Programming Option (Total Credits)

- General Education (18/60) = 30%
- Business Core (12/60) = 20%
- CIS (30/60) = 50%

Program Contacts

- Dr. Zarreen Farooqi (zarreen@uakron.edu), 330-972-8858
- Enoch Damson (damson@uakron.edu), 330-972-7162
- CAST Advising, Polsky Building Room 203, 330-972-7220

Program Description

CIS offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills.

The CIS program offers high level training for computer programmers and microcomputer application specialists. Schedules offer a range of day, evening and weekend classes.

Career Information

Graduates of the AAB/BS CIS program are expected to qualify for such positions as programmer/analysts, software developers, web developers, computer operators, or network specialists in business, IT, industry, and government organizations.

For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center <http://www.uakron.edu/career/> in the Student Union, Room 211.

Bachelor Degree Programs from the Department of Business and Information Technology

- Computer Information Systems – Networking Option
- Computer Information Systems – Specialized IT Applications
- Computer Information Systems – Programming Option
- Computer Information Systems – Web Development Option
- Bachelor of Organizational Supervision

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

COMPUTER INFORMATION SYSTEMS (244106AAB)

Programming Option

Associate of Applied Business Degree

http://www.uakron.edu/summitcollege/business_technology/computer-information-systems/index.dot

The following information has official approval of the **College of Applied Science and Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Course in **bold** are core CIS courses. Non-bold, non-italicized courses are non-CIS core courses.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	<i>Placement by Advisor</i>
2030:152	<i>Technical Mathematics II -AND-</i>	2	<i>Placement by Advisor</i>
2030:153	<i>Technical Mathematics III</i>	2	<i>2030:152 (must be passed with C- or better)</i>
2420:104	Intro. to Business in the Global Environment	3	
2440:121	Introduction to Logic/Programming (Note a.)	3	2440:105 or placement test
2440:140	Internet Tools (Note a)	3	2440:105 or placement test
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
	<i>Natural Science Requirement</i>	4	
2420:103	Essentials of Management Technology	3	
2440:145	Introduction to Unix/Linux (Note a)	3	2440:105 or placement test
2440:170	Visual BASIC (Note a & d)	3	2440:121
2440:180	Database Concepts (Note a & d)	3	2440:121
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2420:263	<i>Professional Communications and Presentations</i>	3	<i>2020:121 or Permission</i>
7600:106	<i>-OR- Effective Oral Communication</i>		
7600:105	<i>-OR- Introduction to Public Speaking</i>		
2420:211	Basic Accounting I	3	
2440:210	Client Server Programming (Note a & c)	3	2440:180
2440:241	Systems Analysis and Design (Note a & c)	3	2440:160/170/256 and 2440:180
2440:256	C++ Programming (Note a & c)	3	2440:121
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2040:240	<i>Human Relations</i>	3	
2040:247	<i>Survey of Basic Economics</i>	3	
2040:254	<i>Black Experience 1619-1877 -OR-</i>	2	<i>2020:121 or 3300:112 or equivalent</i>
2040:257	<i>Black Experience 1877-1954 -OR-</i>		<i>2020:121 or 3300:112 or equivalent</i>
2040:258	<i>Black Experience 1954 to Present -OR-</i>		<i>2020:121 or 3300:112 or equivalent</i>
2040:256	<i>Diversity in American Society</i>		<i>2020:121 or 3300:112 or equivalent</i>
2420:202	Elements of Human Resource Management	3	
2440:160	Java Programming (Note a & d)	3	2440:121
2440:251	CIS Projects (Note a & d)	3	2440:241
Total		17	

	Total Credits for Degree	64	
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POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your **REQUIRED** General Education English, Math, and Communications (Speech) requirements

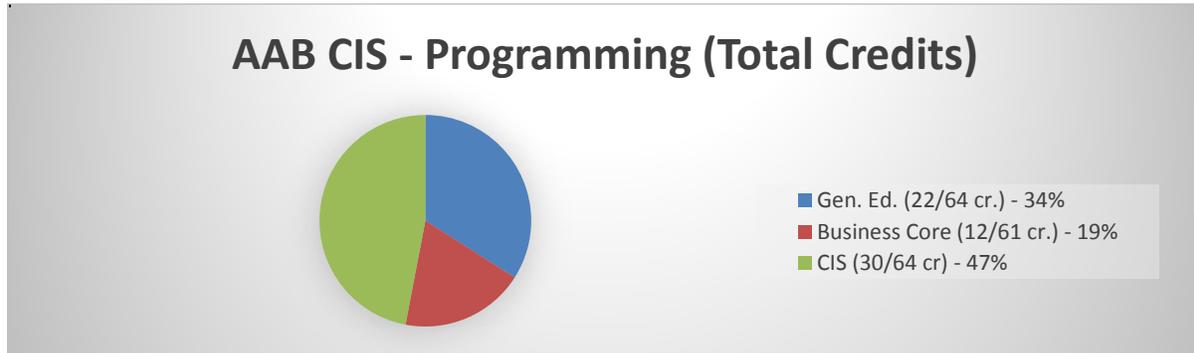
Must have a minimum cumulative GPA of a 2.0 to graduate with this degree

DEPARTMENT OF BUSINESS & INFORMATION TECHNOLOGY POLICY NOTES

- a. Students must attain a “C” or better in each course in their CIS major area (2440).
- b. The Dept. of Business and Information Technology requires a cumulative GPA of 2.0 and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor’s degree programs.

NOTES

- c. Traditionally Fall Only (See Program Contact)
- d. Traditionally Spring Only (See Program Contact)
- e. Additional classes may be needed to transition into a B.S. degree in Computer Information Systems



PROGRAM CONTACT

- Dr. Zarreen Farooqi (zarreen@uakron.edu), 330-972-8858
- Enoch Damson (damson@uakron.edu), 330-972-7162

PROGRAM DESCRIPTION

CIS offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills.

The CIS program offers high level training for computer programmers and microcomputer application specialists. Schedules offer a range of day, evening and weekend classes.

CAREER INFORMATION

Graduates of the AAB/BS CIS program are expected to qualify for such positions as programmer trainees, programmer/analysts, software developers, computer operators, or network specialists in business, industry and government organizations. For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, Room 211 <http://www.uakron.edu/career/>

BACHELOR DEGREE PROGRAMS FROM THE DEPT. OF BUSINESS & INFORMATION TECHNOLOGY

- Computer Information Systems – Networking Option
- Computer Information Systems -- Specialized IT Applications
- Computer Information Systems – Programming Option
- Computer Information Systems – Web Development Option
- Bachelor of Organizational Supervision

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY

A student in University College can complete this transfer process through an appointment with an Academic Advisor, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Advisor in the College in which they reside.

(Hoge/Farooqi/Damson)

College of Applied Science and Technology

COMPUTER INFORMATION SYSTEMS – NETWORKING OPTION

244201BS

Bachelor of Science Degree

http://www.uakron.edu/summitcollege/business_technology/computer-information-systems/index.dot

See the curriculum guide for the Computer Information Systems Computer Maintenance and Networking option, CISCO track associate degree <http://www.uakron.edu/dotAsset/1817056.pdf>.

The following information has official approval of the **College of Applied Science and Technology**, but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Course in **bold** are core CIS courses. Non-bold, non-italicized courses are non-CIS core courses.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	<i>Placement by Advisor</i>
2030:152	Technical Mathematics II -AND-	2	<i>Placement by Advisor</i>
2030:153	Technical Mathematics III	2	<i>2030:152 (must be passed with C- or better)</i>
2420:104	Intro to Business in the Global Environment	3	
2440:145	Introduction to Unix/Linux (Note a)	3	2440:105 or placement test
2440:247	Hardware Support (Note a & c)	3	
Total		16	
1 st Year	Spring Semester		
2020:222	<i>Technical Report Writing</i>	3	<i>2020:121 or equivalent</i>
2040:254	Black Experience 1619-1877-OR-	2	<i>2020:121 or 3300:112 or equivalent</i>
2040:257	Black Experience 1877-1954 -OR-		<i>2020:121 or 3300:112 or equivalent</i>
2040:258	Black Experience 1954 to Present -OR-		<i>2020:121 or 3300:112 or equivalent</i>
2040:256	Diversity in American Society		<i>2020:121 or 3300:112 or equivalent</i>
2420:103	Essentials of Management Technology	3	
2440:140	Internet Tools (Note a)	3	2440:105 or placement test
2440:141	Website Administration (Note a)	3	2440:105 or placement test
2440:248	Server Hardware Support (Note a & d)	3	2440:247
Total		17	
2 nd Year	Fall Semester		
2040:247	<i>Survey of Basic Economics</i>	3	
2420:263	<i>Professional Communications and Presentations</i>	3	<i>2020:121 or Permission</i>
7600:106	-OR- Effective Oral Communication		
7600:105	-OR- Introduction to Public Speaking		
2420:211	Basic Accounting I	3	
2440:201	Networking Basics (Notes a, c & e)	3	
2440:202	Router & Routing Basics (Notes a, c & e)	3	2440:201
Total		15	
2 nd Year	Spring Semester		
2040:240	<i>Human Relations</i>	3	
2420:202	Elements of Human Resource Management	3	2420:103 or permission
2420:212	Basic Accounting II	3	2420:211
2440:203	Switching Basics & Wireless (Notes a, d & e)	3	2440:201
2440:204	WAN Technologies (Notes a, d & e)	3	2440:202, 2440:203
2440:240	CIS Internship (Note a & d)	3	2440:202 or 2440:282 & 2440:247
Total		18	

3 rd Year	Fall Semester	Credit Hours	Prerequisites
3400:210 3400:221	Humanities in the Western Tradition I -OR- Humanities in the World Since 1300	4	32 credits & 2020:222 or 3300:112 or 3300:114 (or permission)
2030:154	Technical Mathematics IV	3	2030:153
2440:300	Network Authentication and Security (Notes a & c)	3	2440:204
2440:303	Voice, Video and Data (Notes a & d)	3	2440:204
2440:310	Wireless Networking (Notes a & c)	3	2440:204
Total		16	

3 rd Year	Spring Semester	Credit Hours	Prerequisites
	Natural Science Elective	4	
3600:120	Introduction to Ethics	3	
2440:388	Advanced Unix/Linux (Notes a & d)	3	2440:145
2440:400	Advanced Routing (Notes a & d)	4	2440:300 and 2030:154
Total		14	

4 th Year	Fall Semester	Credit Hours	Prerequisites
	Physical Education/Wellness Elective	1	
	Area Studies & Cultural Diversity Elective	2	
	Free Elective (Note a.)	3	
2440:281	Microsoft Desktop Environment (Notes a, c & e)	3	Co-requisite:2440:270 or Permission
2440:282	Microsoft Networking II (Notes a, c & e)	3	Co-requisite:2440:270 or permission
2440:401	Multilayer Switching (Notes a & c)	4	2440:201,202,203,204 or Permission
2440:430	Network Monitoring and Management (Notes a & d)	3	2440:204
Total		19	

4 th Year	Spring Semester	Credit Hours	Prerequisites
	Humanities Elective	3	
	Natural Science Elective	4	
2440:402	Troubleshooting Complex IP-based Networks (Notes a & d)	4	2440:400, 401
2440:490	CIS Senior Projects (Notes a and d)	3	2440:338; and at least two of: 2440:301, 2440:401, 2440:310, or 2440:402.
Total		14	
	Total Credits for Degree	129	

POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your **REQUIRED** General Education English, Math, and Communications (Speech) requirements

Must have a minimum cumulative GPA of a 2.0 to graduate with this degree

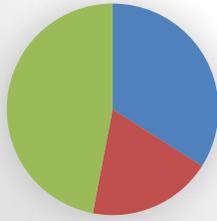
DEPARTMENT OF BUSINESS & INFORMATION TECHNOLOGY POLICY NOTES

- Students must attain a "C" or better in each course in their CIS major area (2440).
- The Dept. of Business and Information Technology requires a **cumulative GPA of 2.0 GPA and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer** into all Associate and Bachelor's degree programs.

NOTES

- Traditionally Fall only (see program contact)
- Traditionally Spring only (see program contact)
- Course is a 7.5 week course
- Prior to enrolling in classes for the B.S. degree you must contact an adviser in Polsky 301

BS CIS - Networking (Total Credits)



- Gen. Ed. (42/121 cr.) - 35%
- Business Core/Math (18/121 cr.) - 15%
- CIS (61/121 cr.) - 50%

PROGRAM CONTACT

- Dr. John Nicholas (jn@uakron.edu), 330-972-2563
- Janet Kropff (jsk3@uakron.edu), 330-972-2075

PROGRAM DESCRIPTION

The CIS program offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills.

The CIS program offers high level training for computer programmers and microcomputer application specialists. Schedules offer a range of day, evening and weekend classes.

CAREER INFORMATION

Graduates of the AAS/BS CIS program are expected to qualify for such positions as programmer trainees, programmer/analysts, software developers, computer operators, or network specialists in business, industry and government organizations.

For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, Room 211 <http://www.uakron.edu/career/>

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY

A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Advisor in the College in which they reside.

(Hoge/Kropff/Nicholas)

Computer Information Systems

Networking Option, Bachelor of Science Degree (244201BS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

CIS core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	Placement by Advisor
2030:152 <i>Technical Mathematics II (2)</i> -AND- 2030:153 <i>Technical Mathematics III (2)</i>	Placement by Advisor 2030:152 (pass with C- or better)
2420:104 Introduction to Business in Global Environment (3)	
2440:121 Introduction to Logic/Programming (3)	2440:105 or placement test
2440:247 Hardware Support (3) (Note a)	
Total Credits = 16	

Year 1 Spring	Prerequisite
2020:222 <i>Technical Report Writing (3)</i>	2020:121 or equivalent
2420:103 Essentials of Management Technology (3)	
2440:141 Website Administration (3)	2440:105 or placement test
2440:145 Introduction to Unix/Linux (3)	2440:105 or placement test
2440:248 Server Hardware Support (3) (Note b)	2440:247
Total Credits = 15	

Year 2 Fall	Prerequisite
2040:247 <i>Survey of Basic Economics (3)</i> <i>Fulfills Critical Thinking Tag</i>	
2420:263 <i>Professional Communications and Presentations (3)</i>	
2420:211 Basic Accounting I (3)	
2440:201 Networking Basics (3) (Notes a & c)	
2440:202 Router and Routing Basics (3) (Notes a & c)	2440:201
Total Credits = 15	

Year 2 Spring	Prerequisite
2040:244 <i>Death and Dying (3)</i> -OR- 2040:254 <i>Black Experience 1619-1877 (2)</i> -OR- 2040:256 <i>Diversity in American Society (3)</i> -OR- 2040:257 <i>Black Experience 1877-1954 (2)</i> -OR- 2040:258 <i>Black Experience 1954-Present (2)</i> <i>Each Course Fulfills Domestic Diversity Tag</i>	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
2420:202 Elements of Human Resource Management (3)	2420:103 or permission
2420:212 Basic Accounting II (3) -OR- 2420:243 Survey of Finance (3)	2420:211 2420:211
2440:203 Switching Basics and Wireless (3) (Notes b & c)	2440:202
2440:204 WAN Technologies (3) (Notes b & c)	2440:202, 2440:203
2440:240 CIS Internship (3) (Note b)	2440:241, or (2440:202 & 2440:247), or (2440:282 & 2440:247)
Total Credits = 17-18	

Year 3 Fall	Prerequisite
3400:210 <i>Humanities in the Western Tradition I (4)</i> -OR- 3400:221 <i>Humanities in the World Since 1300 (4)</i> <i>Fulfills Critical Thinking Tag</i>	32 credits and completion of 3300:112 or 3300:114 or 2020:222 or permission
2030:154 Technical Mathematics IV (3)	2030:153
2440:300 Network Authentication and Security (3) (Note a)	2440:201, 202, 203, 204
2440:303 Voice, Video and Data (3) (Note b)	2440:204
2440:310 Wireless Networking (3) (Note a)	2440:204
Total Credits = 16	

Year 3 Spring	Prerequisite
7100:210 <i>Visual Arts Awareness (3)</i> -OR- 7500:201 <i>Exploring Music, Bach to Rock (3)</i> -OR- 7900:200 <i>Viewing Dance (3)</i> -OR- Arts Requirement (3) (Note e)	3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221
<i>Natural Science Requirement with Lab (4)</i>	
2440:306 Ethics and Law in IT (3) (Note b)	Junior/Senior standing
2440:388 Advanced Unix/Linux (3) (Note b)	2440:145
2440:400 Advanced Routing (4) (Note b)	2440:201, 202, 203, 204, 300 and 2030:154
Total Credits = 17	

Year 4 Fall	Prerequisite
3300:252 <i>Shakespeare and His World (3)</i> -OR- 3600:101 <i>Introduction to Philosophy (3)</i> -OR- Arts or Humanities Requirement (3) (Note e)	<i>For 3300:252 only: 3300:111 and 3300:112 or their equivalents (2020:121 and 2020:222), and 3400:210 or 3400:221</i>
2040:240 <i>Human Relations (3)</i>	
2440:282 Microsoft Networking II (3) (Notes a & c)	Corequisite: 2440:270 or permission
2440:401 Multilayer Switching (3) (Note a)	2440:201, 202, 203, 204 or permission
2440:430 Network Monitoring and Management (3) (Note a)	2440:204
Total Credits = 15	

Year 4 Spring	Prerequisite
2040:243 <i>Contemporary Global Issues (3)</i> <i>Fulfills Global Diversity Tag</i>	
<i>Natural Science Requirement without Lab (3)</i>	
<i>Complex Issues Tag Requirement (3)</i>	
2440:402 Troubleshooting Complex IP-based Networks (4) (Note b)	2440:400, 401
2440:490 CIS Senior Networking Projects (3) (Note b)	2440:338; and at least two of: 2440:310, 2440:400, 2440:401, or 2440:402
Total Credits = 16	

Total Credits for Degree = 127 minimum

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy Notes

- Students must attain a "C" or better in each course in their major area (2440).
- The Dept. of Business and Information Technology requires a cumulative GPA of 2.0 GPA and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.

Notes

- a) Traditionally Fall Only (See Program Contact)
- b) Traditionally Spring Only (See Program Contact)
- c) Course is a 7.5 week course
- d) Prior to enrolling in classes for the B.S. degree you must contact an adviser in Polsky 301
- e) Course must be part of the Ohio Transfer Module.

BS CIS – Networking Option (Total Credits)

- General Education (44-45/126-127) = 35%
- Business Core (18/126-127) = 14%
- CIS (64/126-127) = 51%

Program Contacts

- Janet Kropff (jsk3@uakron.edu), 330-972-2075
- Dr. John Nicholas (jn@uakron.edu), 330-972-2563
- CAST Advising, Polsky Building Room 203, 330-972-7220

Program Description

The CIS discipline or program area offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills. Schedules offer a range of day and evening classes.

Career Information

Graduates of the **AAB/BS CIS – Networking** program are expected to qualify for such positions as helpdesk support specialists, desktop support analysts, computer operators, PC technicians, network administrators, network specialists, systems administrators, and messaging administrators in government, business, information technology, and other industries.

For additional information, please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center in Simmons Hall, Room 301, <http://www.uakron.edu/career/>

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Computer Information Systems

Computer Networking Option, Microsoft Track, Associate of Applied Business Degree (244207AAB)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

CIS core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	Placement by Advisor
2030:152 <i>Technical Mathematics II (2)</i> -AND- 2030:153 <i>Technical Mathematics III (2)</i>	Placement by Advisor; 2030:152 (must be passed with C- or better)
2420:104 Intro to Business in the Global Environment (3)	
2440:121 Introduction to Logic/Programming (3)	2440:105 or placement test
2440:247 Hardware Support (3) (Note a)	
Total Credits = 16	

Year 1 Spring	Prerequisite
<i>Natural Science Requirement without Lab (3)</i>	
2420:103 Essentials of Management Technology (3)	
2440:141 Website Administration (3)	2440:105 or placement test
2440:145 Introduction to Unix/Linux (3)	2440:105 or placement test
2440:248 Server Hardware Support (3) (Note b)	2440:247
Total Credits = 16	

Year 2 Fall	Prerequisite
2040:247 <i>Survey of Basic Economics (3)</i>	
2420:263 <i>Professional Communications and Presentations (3)</i>	
2420:211 Basic Accounting I (3)	
2440:281 Microsoft Desktop Environment (3) (Note b)	2440:105 or placement test
2440:282 Microsoft Networking II (3) (Notes a & c)	2440:281
Total Credits = 15	

Year 2 Spring	Prerequisite
2040:244 <i>Death and Dying (3)</i> -OR- 2040:254 <i>Black Experience 1619-1877 (2)</i> -OR- 2040:256 <i>Diversity in American Society (3)</i> -OR- 2040:257 <i>Black Experience 1877-1954 (2)</i> -OR- 2040:258 <i>Black Experience 1954-Present (2)</i>	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
2420:202 Elements of Human Resource Management (3)	2420:103 or permission
2440:240 CIS Internship (3) (Note b)	2440:241, or 2440:202 and 2440:247, or 2440:282 and 2440:247
2440:283 Microsoft Networking III (3) (Notes b & c)	2440:282
240:xxx CIS Technical Elective (3)	
Total Credits = 14-15	

Total Credits for Degree = 60 minimum

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy Notes

- Students must attain a "C" or better in each course in their major area (2440).
- The Dept. of Business and Information Technology requires a cumulative GPA of 2.0 GPA and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.

Notes

- Traditionally Fall Only (See Program Contact)
- Traditionally Spring Only (See Program Contact)
- Course is a 7.5 week course
- Additional classes may be needed to transition into a B.S. degree in Computer Information Systems.

AAB CIS – Networking Option (Total Credits)

- General Education (18/60) = 30%
- Business Core (12/60) = 20%
- CIS (30/60) = 50%

Program Contacts

- Janet Kropff (jsk3@uakron.edu), 330-972-2075
- Dr. John Nicholas (jn@uakron.edu), 330-972-2563
- CAST Advising, Polsky Building Room 203, 330-972-7220

Program Description

CIS offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills.

The CIS program offers high level training for computer programmers and microcomputer application specialists. Schedules offer a range of day, evening and weekend classes.

Career Information

Graduates of the AAB/BS CIS program are expected to qualify for such positions as programmer/analysts, software developers, web developers, computer operators, or network specialists in business, IT, industry, and government organizations.

For additional information, please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center in the Student Union, Room 211 at <http://www.uakron.edu/career/>.

Bachelor Degree Programs from the Department of Business and Information Technology

- Computer Information Systems – Networking Option
- Computer Information Systems – Specialized IT Applications
- Computer Information Systems – Programming Option
- Computer Information Systems – Web Development Option
- Bachelor of Organizational Supervision

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Computer Information Systems

Computer Networking Option, Cisco Track, Associate of Applied Business Degree (244208AAB)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

CIS core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	Placement by Advisor
2030:152 <i>Technical Mathematics II (2)</i> -AND- 2030:153 <i>Technical Mathematics III (2)</i>	Placement by Advisor; 2030:152 (must pass with C- or better)
2420:104 Intro to Business in the Global Environment (3)	
2440:121 Introduction to Logic/Programming (3)	2440:105 or placement test
2440:247 Hardware Support (3) (Note a)	
Total Credits = 16	

Year 1 Spring	Prerequisite
<i>Natural Science Requirement without Lab (3)</i>	
2420:103 Essentials of Management Technology (3)	
2440:141 Website Administration (3)	2440:105 or placement test
2440:145 Introduction to Unix/Linux (3)	2440:105 or placement test
2440:248 Server Hardware Support (3) (Note b)	2440:247
Total Credits = 15	

Year 2 Fall	Prerequisite
2040:247 <i>Survey of Basic Economics (3)</i>	
2420:263 <i>Professional Communications and Presentations (3)</i>	
2420:211 Basic Accounting I (3)	
2440:201 Networking Basics (3) (Notes a & c)	
2440:202 Router and Routing Basics (3) (Notes a & c)	2440:201
Total Credits = 15	

Year 2 Spring	Prerequisite
2040:244 <i>Death and Dying (3)</i> -OR- 2040:254 <i>Black Experience 1619-1877 (2)</i> -OR- 2040:256 <i>Diversity in American Society (3)</i> -OR- 2040:257 <i>Black Experience 1877-1954 (2)</i> -OR- 2040:258 <i>Black Experience 1954-Present (2)</i>	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
2420:202 Elements of Human Resource Management (3)	2420:103 or permission
2440:203 Switching Basics and Wireless (3) (Notes b & c)	2440:201
2440:204 WAN Technologies (3) (Notes b & c)	2440:202 and 2440:203
2440:240 CIS Internship (3) (Note b)	2440:241, or 2440:202 and 2440:247, or 2440:282 and 2440:247
Total Credits = 14-15	

Total Credits for Degree = 60 minimum

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Cisco Networking Classes Offered at Main Campus Only.

Department of Business and Information Technology Policy Notes

- Students must attain a "C" or better in each course in their major area (2440).
- The Department of Business and Information Technology requires a cumulative GPA of 2.0 and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.

Notes

- Traditionally Fall only (see program contact)
- Traditionally Spring only (see program contact)
- Course is a 7.5 week course
- Additional classes may be needed to transition into a B.S. degree in Computer Information Systems

AAB CIS – Cisco Networking Option (Total Credits)

- General Education (18/60) = 30%
- Business Core (12/60) = 20%
- CIS (30/60) = 50%

Program Contact

- Janet Kropff (jsk3@uakron.edu), 330-972-2075
- Dr. John Nicholas (jn@uakron.edu), 330-972-2563
- CAST Advising, Polsky Building Room 203, 330-972-7220

Program Description

CIS offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills.

The CIS program offers high level training for computer programmers and microcomputer application specialists. Schedules offer a range of day, evening and weekend classes.

Career Information

Graduates of the AAB/BS CIS program are expected to qualify for such positions as programmer/analysts, software developers, web developers, computer operators, or network specialists in business, IT, industry, and government organizations.

For additional information, please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center in the Student Union, Room 211 at <http://www.uakron.edu/career/>.

Bachelor Degree Programs from the Department of Business and Information Technology

- Computer Information Systems – Networking Option
- Computer Information Systems – Specialized IT Applications
- Computer Information Systems – Programming Option
- Computer Information Systems – Web Development Option
- Bachelor of Organizational Supervision

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Computer Information Systems

Web Development Option, Associate of Applied Business Degree (244209AAB)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

CIS core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	Placement by Advisor
2030:152 <i>Technical Mathematics II (2)</i> -AND- 2030:153 <i>Technical Mathematics III (2)</i>	placement by Advisor; 2030:152 (must pass with C- or better)
2420:104 Introduction to Business in the Global Environment (3)	
2440:121 Introduction to Logic/Programming (3)	2440:105 or placement test
2440:140 Internet Tools (3)	2440:105 or placement test
Total Credits = 16	

Year 1 Spring	Prerequisite
<i>Natural Science Requirement without Lab (3)</i>	
2420:103 Essentials of Management Technology (3)	
2440:141 Web Site Administration (3)	2440:105 or placement test
2440:145 Introduction to Unix/Linux (3)	2440:105 or placement test
2440:180 Database Concepts (3) (Note a)	2440:121
Total Credits = 15	

Year 2 Fall	Prerequisite
2420:263 <i>Professional Communications and Presentations (3)</i>	
2420:211 Basic Accounting I (3)	
2440:211 Interactive Web Programming (3)	2440:140, 2440:121
2440:212 Multimedia and Interactive Web Elements (3) -OR- 7100:289 Production I (3)	2440:140 7100:132
2440:241 Systems Analysis and Design (3)	2440:160/170/256 and 2440:180
Total Credits = 15	

Year 2 Spring	Prerequisite
2040:247 <i>Survey of Basic Economics (3)</i>	
2040:244 <i>Death and Dying (3)</i> -OR- 2040:254 <i>Black Experience 1619-1877 (2)</i> -OR- 2040:256 <i>Diversity in American Society (3)</i> -OR- 2040:257 <i>Black Experience 1877-1954 (2)</i> -OR- 2040:258 <i>Black Experience 1954-Present (2)</i>	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
2420:202 Elements of Human Resource Management (3)	2420:103 or permission
2440:160 Java Programming (3) (Note a)	2440:121
2440:240 CIS Internship (3)	2440:241, or 2440:202 and 2440:247, or 2440:282 and 2440:247
Total Credits = 14-15	

Total Credits for Degree = 60 minimum

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy Notes

- Students must achieve a "C" or better in each course in their major area (2440).
- The Dept. of Business and Information Technology requires a cumulative GPA of 2.0 and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.
- Students must pass a placement test before taking any required CIS courses or take 2440:105, Introduction to Computer and Application Software, which does not count towards degree requirements.

Notes

- Traditionally Fall only (see Program Contact)
- Traditionally Spring only (see Program Contact)
- Additional classes may be needed to transition into a B.S. degree in Computer Information Systems

AAB CIS – Web Development Option (Total Credits)

- General Education (18/60) = 30%
- Business Core (12/60) = 20%
- CIS (30/60) = 50%

Program Contacts

- Enoch Damson (damson@uakron.edu), 330-972-7162
- Dr. Zarreen Farooqi (zarreen@uakron.edu), 330-972-8858
- CAST Advising, Polsky Building Room 203, 330-972-7220

Program Description

CIS offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills.

The CIS program offers high level training for computer programmers and microcomputer application specialists. Schedules offer a range of day, evening and weekend classes.

Career Information

Graduates of the AAB/BS CIS program are expected to qualify for such positions as programmer/analysts, software developers, web developers, computer operators, or network specialists in business, IT, industry, and government organizations.

For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center <http://www.uakron.edu/career/> in the Student Union, Room 211.

Bachelor Degree Programs from the Department of Business and Information Technology

- Computer Information Systems – Networking Option
- Computer Information Systems – Specialized IT Applications
- Computer Information Systems – Programming Option
- Computer Information Systems – Web Development Option
- Bachelor of Organizational Supervision

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Computer Information Systems

Specialized IT Applications Option, Bachelor of Science Degree (244300BS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

CIS core courses are in **bold** type. Electronic Engineering technology core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English</i> (3)	Placement by Advisor
2030:152 <i>Technical Mathematics II</i> (2) -AND- 2030:153 <i>Technical Mathematics III</i> (2)	Placement by Advisor 2030:152 (with C- or better)
2860:120 Circuit Fundamentals (4) (Sch. Lab)	2030:152, 153 & 2860:121 Corequisites
2860:121 Introduction to Electronics and Computers (2) (Sch. Lab)	2030:151
2440:121 Introduction to Logic/Programming (3)	2440:105 or placement test
Total Credits = 16	

Year 1 Spring	Prerequisite
2020:222 <i>Technical Report Writing</i> (3)	2020:121 or 3300:111 or equivalent
2860:123 Electronic Devices (3)	2860:120
2860:136 Digital Fundamentals (2) (Sch. Lab)	2860:120 and 2860:121
2440:145 Introduction to Unix/Linux (3)	2440:105 or placement test
2440:170 Visual Basic (3)	
2440:247 Hardware Support (3)	2440:105 or placement test
Total Credits = 17	

Year 2 Fall	Prerequisite
2420:263 <i>Professional Communications and Presentations</i> (3)	
2860:237 Digital Circuits (4) (Sch. Lab)	2860:123 and 2960:136
2440:201 Networking Basics (3) (Note b)	2440:105 or placement test
2440:256 C++ Programming (3)	2440:121
2440:258 Information Continuity and Recovery (3)	2440:247
Total Credits = 16	

Year 2 Spring	Prerequisite
2040:247 <i>Survey of Basic Economics</i> (3) <i>Fulfills Critical Thinking Tag</i>	
2860:238 Microprocessor Applications (4)	2860:237
2870:301 Computer Control of Automated Systems (3)	
2440:248 Server Hardware Support (3)	2440:247
2440:259 Computer and Network Security (3)	2440:201 and 2440:145
Total Credits = 16	

Year 3 Fall	Prerequisite
2040:244 <i>Death and Dying</i> (3) -OR- 2040:254 <i>Black Experience 1619-1877</i> (2) -OR- 2040:256 <i>Diversity in American Society</i> (3) -OR- 2040:257 <i>Black Experience 1877-1954</i> (2) -OR- 2040:258 <i>Black Experience 1954-Present</i> (2) <i>Each Course Fulfills Domestic Diversity Tag</i>	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
2820:161 <i>Technical Physics: Mechanics I</i> (2)	2030:152 corequisite
2860:352 Microcontrollers (4) (Note a)	2440:238
Specialization Area (3) (Note a)	See Advisor
2440:338 Unix/Linux System Administration (3)	2440:145
Total Credits = 14-15	

Year 3 Spring	Prerequisite
<i>Complex Systems Tag Requirement</i> (3)	
2040:240 <i>Human Relations</i> (3)	
2820:163 <i>Technical Physics: Electricity and Magnetism</i> (2)	2820:161 prerequisite; 2030:153 corequisite
Specialization Area (3) (Note a)	See Advisor
2440:180 Introduction to Database Management (3)	2440:121
2440:388 Advanced UNIX/Linux (3)	2440:338
Total Credits = 17	

Year 4 Fall	Prerequisite
3400:210 <i>Humanities in the Western Tradition I</i> (4) -OR- 3400:221 <i>Humanities in the World Since 1300</i> (4) <i>Either Course Fulfills Critical Thinking Tag</i>	32 credits and completion of 3300:112 or 3300:114 or 2020:222 or permission
2040:243 <i>Contemporary Global Issues</i> (3) <i>Fulfills Global Diversity Tag</i>	
Specialization Area (3) (Note a)	See Advisor
2440:240 CIS Internship (3)	2440:202 or 2600:242 and 2600:247 or permission
2440:446 C++ Programming II (3)	2440:256
Total Credits = 16	

Year 4 Spring	Prerequisite
<i>Natural Science Requirement with Lab</i> (4)	
7100:210 <i>Visual Arts Awareness</i> (3) -OR- 7500:201 <i>Exploring Music, Bach to Rock</i> (3) -OR- 7900:200 <i>Viewing Dance</i> (3) -OR- <i>Arts Requirement</i> (3) (Note c)	3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221
3600:120 <i>Introduction to Ethics</i> (3)	
Specialization Area (3) (Note a)	See Advisor
2440:452 CIS Practicum (3)	See Advisor
Total Credits = 16	

Total Credits for Degree = 128 minimum

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Business and Information Technology Department Policy

- All students must receive a "C" or better in each course in their major area (2440/2860/2870) and specialization areas.
- The Business and Information Technology Department requires a cumulative GPA of 2.0 for Inter-College Transfer into all Associate and Bachelor degree programs.

Notes

- a) Students must choose an area of specialization and have the course plan, including a minimum of 12 credit hours of 300-400 level technical courses in that area.
- b) Course is a 7.5 week course.
- c) Course must be part of the Ohio Transfer Module.

Specialization Areas

Currently specialization is available in Manufacturing. Students may choose 12 credit hours from the following courses:

- 2870:311; Facilities Planning; (3 credits),
- 2870:332; Management of Technology Based Operations; (3 credits),
- 2870:348; CNC Programming I; (3 credits),
- 2870:448; CNC Programming II; (3 credits),
- 2870:470; Simulation of Manufacturing Systems; (3 credits), and
- 2870:480; Automated Production; (3 credits).

Many of these courses require CAD as a prerequisite. For students in this program CAD can be waived as a prerequisite except for the 2 CNC Programming courses in which case the student should get the approval of the Director of Manufacturing Engineering Technology to get the waiver.

BS CIS – Specialized IT Applications Option (Total Credits)

- General Education (45-46/128-129) = 35%
- Electronic Engineering Technology (26/128-129) = 20%
- CIS (45/128-129) = 35%
- Specialization Area (12/128-129) = 10%

Program Contact

- Dr. Zarreen Farooqi (zarreen@uakron.edu) 330-972-8858
- CAST Advising, Polsky Building Room 203, 330-972-7220

Program Description

The CIS program offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills.

The CIS program offers high level training for computer programmers and microcomputer application specialists. Schedules offer a range of day, evening and weekend classes.

Career Information

Graduates of the AAS/BS CIS program are expected to qualify for such positions as programmer trainees, programmer/analysts, software developers, computer operators, or network specialists in business, industry and government organizations.

For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career/>

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Computer Information Systems

Programming Option, Bachelor of Science Degree (244302BS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

CIS core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English 3</i>	Placement by Advisor
2030:152 <i>Technical Mathematics II (2) -AND- 2030:153 Technical Mathematics III (2)</i>	Placement by Advisor 2030:152 (with C- or better)
2420:104 Introduction to Business in Global Environment (3)	
2440:121 Introduction to Logic/Programming (3)	2440:105 or placement test
2440:140 Internet Tools (3)	2440:105 or placement test
Total Credits = 16	

Year 1 Spring	Prerequisite
2020:222 <i>Technical Report Writing (3)</i>	2020:121 or equivalent
2420:103 Essentials of Management Technology (3)	
2440:145 Introduction to Unix/Linux (3)	2440:105 or placement test
2440:170 Visual Basic (3) (Note b)	2440:121
2440:180 Intro to Database Management (3) (Note b)	2440:121
Total Credits = 15	

Year 2 Fall	Prerequisite
2420:263 <i>Professional Communications and Presentations (3)</i>	
2420:211 Basic Accounting I (3)	
2440:210 Client/Server Programming (3) (Note a)	2440:180
2440:241 Systems Analysis and Design (3) (Note a)	2440:160/170/256 and 2440:180
2440:256 C++ Programming (3) (Note a)	2440:121
Total Credits = 15	

Year 2 Spring	Prerequisite
2040:247 <i>Survey of Basic Economics (3)</i> <i>Fulfills Critical Thinking Tag</i>	
2420:202 Elements of Human Resource Management (3)	2420:103 or permission
2420:212 Basic Accounting II (3) -OR- 2420:243 Survey of Finance (3)	2420:211 2420:170 & 2420:211 or permission
2440:160 JAVA Programming (3) (Note b)	2440:121
2440:240 CIS Internship (3) (Note b)	2440:241, or (2440:202 & 2440:247), or (2440:282 & 2440:247)
Total Credits = 15	

Year 3 Fall	Prerequisite
2040:240 <i>Human Relations (3)</i>	
3400:210 <i>Humanities in the Western Tradition I (4)</i> -OR- 3400:221 <i>Humanities in the World Since 1300 (4)</i> <i>Fulfills Critical Thinking Tag</i>	32 credits and completion of 3300:112 or 3300:114 or 2020:222 or permission
2030:154 Technical Mathematics IV (3)	2030:153
2440:xxx CIS Elective (3)	See Advisor
2440:360 JAVA Programming II (3) (Note a)	2440:160
Total Credits = 16	

Year 3 Spring	Prerequisite
7100:210 <i>Visual Arts Awareness (3)</i> -OR- 7500:201 <i>Exploring Music, Bach to Rock (3)</i> -OR- 7900:200 <i>Viewing Dance (3)</i> -OR- <i>Arts Requirement (3) (Note d)</i>	3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221
<i>Natural Science Requirement with Lab (4)</i>	
2030:345 Technical Data Analysis (2)	2030:154 (with C- or better)
2440:306 Ethics and Law in IT (3) (Note b)	Junior/Senior standing
2440:456 C++ Programming II (3) (Note b)	2440:256
Total Credits = 15	

Year 4 Fall	Prerequisite
3300:252 <i>Shakespeare and His World (3)</i> -OR- 3600:101 <i>Introduction to Philosophy (3)</i> -OR- <i>Arts or Humanities Requirement (3) (Note d)</i>	<i>For 3300:252 only: 3300:111 and 3300:112 or their equivalents (2020:121 and 2020:222), and 3400:210 or 3400:221</i>
2040:244 <i>Death and Dying (3)</i> -OR- 2040:254 <i>Black Experience 1619-1877 (2)</i> -OR- 2040:256 <i>Diversity in American Society (3)</i> -OR- 2040:257 <i>Black Experience 1877-1954 (2)</i> -OR- 2040:258 <i>Black Experience 1954-Present (2)</i> <i>Each Course Fulfills Domestic Diversity Tag</i>	2020:121 or 3300:112 2020:121 or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
3450:208 Introduction to Discrete Mathematics (4)	3450:145 or 3450:149 or placement test or permission
2440:465 Data Communications and Networking (3) (Note a)	Junior/Senior standing
2440:470 Database Management II (3) (Note a)	2440:180
Total Credits = 15-16	

Year 4 Spring	Prerequisite
2040:243 <i>Contemporary Global Issues (3)</i> <i>Fulfills Global Diversity Tag</i>	
<i>Natural Science Requirement without Lab (3)</i>	
<i>Complex Issues Tag Requirement (3)</i>	
2440:450 Applied Data Mining (3) (Note b)	2030:345
2440:451 CIS Senior Programming Projects (3) (Note b)	Senior standing
Total Credits = 15	

Total Credits for Degree = 122 minimum

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy Notes

- Students must attain a "C" or better in each course in their major area (2440).
- The Department of Business and Information Technology requires a cumulative GPA of 2.0 GPA and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.

Notes

- a) Traditionally Fall Only (See Program Contact)
- b) Traditionally Spring Only (See Program Contact)
- c) Prior to enrolling in classes for the B.S. degree you must contact an advisor in Polsky 301
- d) Course must be part of the Ohio Transfer Module.

CIS Electives

The CIS Elective may be chosen from the following list:

- 2440:321; Server-Side Scripting; (3 credits); (prerequisite = 2440:121 & 2440:140),
- 2440:370; Visual Basic Programming II; (3 credits); (prerequisite = 2440:170),
- 2440:388; Advanced UNIX/Linux; (3 credits); (prerequisite = 2440:145),
- 2440:480; Current Topics in Computer Information Systems; (3 credits).

The CIS electives may be registered after taking the necessary prerequisite(s) or by permission from the CIS program.

BS CIS – Programming Option (Total Credits)

- General Education (44-45/122-123) = 36%
- Business Core (24/122-123) = 20%
- CIS (54/122-123) = 44%

Program Contacts

- Dr. Zarreen Farooqi (zarreen@uakron.edu), 330-972-8858
- Enoch Damson (damson@uakron.edu), 330-972-7162
- CAST Advising, Polsky Building Room 203, 330-972-7220

Program Description

The CIS discipline or program area offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills. Schedules offer a range of day and evening classes.

Career Information

Graduates of the **AAB/BS CIS – Programming** program are expected to qualify for such positions as developer/programmer analysts, software developers, database developers/designers, database administrators, and database warehouse analysts in government, business, information technology, and other industries.

For additional information, please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center in Simmons Hall, Room 301, <http://www.uakron.edu/career/>

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Computer Information Systems

Web Development Option, Bachelor of Science Degree (244303BS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

CIS core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	Placement by Advisor
2030:152 <i>Technical Mathematics II (2) -AND- 2030:153 Technical Mathematics III (2)</i>	Placement by Advisor 2030:152 (must pass with C- or better)
2420:104 Introduction to Business in Global Environment (3)	
2440:121 Introduction to Logic/Programming (3) (Note a)	2440:105 or placement test
2440:140 Internet Tools (3)	2440:105 or placement test
Total Credits = 16	

Year 1 Spring	Prerequisite
2020:222 <i>Technical Report Writing (3)</i>	2020:121 or 3300:111 or equivalent
2420:103 Essentials of Management Technology (3)	
2440:141 Web Site Administration (3)	2440:105 or placement test
2440:145 Introduction to Unix/Linux (3)	2440:105 or placement test
2440:180 Introduction to Database Management (3) (Note b)	2440:121
Total Credits = 15	

Year 2 Fall	Prerequisite
2420:263 <i>Professional Communications and Presentations (3)</i>	
2420:211 Basic Accounting I (3)	
2440:211 Interactive Web Programming (3) (Note a)	2440:140, 2440:121
2440:212 Multimedia and Interactive Web Elements (3) (Note a) -OR- 7100:289 Productions I (3)	2440:140 7100:132
2440:241 Systems Analysis and Design (3) (Note a)	2440:160/170/256 and 2440:180
Total Credits = 15	

Year 2 Spring	Prerequisite
2040:247 <i>Survey of Basic Economics (3)</i> <i>Fulfills Critical Thinking Tag</i>	
2420:202 Elements of Human Resource Management (3)	2420:103 or permission
2420:212 Basic Accounting II (3) -OR- 2420:243 Survey of Finance (3)	2420:211 2420:170 & 2420:211 or permission
2440:160 JAVA Programming (3) (Note b)	2440:121
2440:240 CIS Internship (3) (Note b)	2440:241 or (2440:202 and 2440:247) or (2440:282 and 2440:247)
Total Credits = 15	

Year 3 Fall	Prerequisite
2040:240 <i>Human Relations (3)</i>	
3400:210 <i>Humanities in the Western Tradition I (4)</i> -OR- 3400:221 Humanities in the World Since 1300 (4) <i>Each Course Fulfills Critical Thinking Tag</i>	32 credits and 2020:222 or 3300:112 or 3300:114 or permission
2030:154 Technical Mathematics IV (3)	2030:153
2440:xxx CIS Elective (3) (Note a)	See Advisor
2440:360 JAVA Programming II (3) (Note a)	2440:160
Total Credits = 16	

Year 3 Spring	Prerequisite
7100:210 <i>Visual Arts Awareness (3)</i> -OR- 7500:201 Exploring Music, Bach to Rock (3) -OR- 7900:200 Viewing Dance (3) -OR- Arts Requirement (3) (Note f)	3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221
<i>Natural Science Requirement with Lab (4)</i>	
2030:345 Technical Data Analysis (2)	2030:154 (must pass with C- or better)
2440:306 Ethics and Law in IT (3) (Note b)	Junior/Senior standing
2440:321 Server-Side Scripting (3) (Note a)	2440:211 and 2440:140
Total Credits = 15	

Year 4 Fall	Prerequisite
3300:252 <i>Shakespeare and His World (3)</i> -OR- 3600:101 Introduction to Philosophy (3) -OR- Arts or Humanities Requirement (3) (Note c)	<i>For 3300:252 only: 2020:121 and 2020:222 or their equivalents, and 3400:210 or 3400:221</i>
2040:244 <i>Death and Dying (3)</i> -OR- 2040:254 Black Experience 1619-1877 (2) -OR- 2040:256 Diversity in American Society (3) -OR- 2040:257 Black Experience 1877-1954 (2) -OR- 2040:258 Black Experience 1954-Present (2) <i>Each Course Fulfills Domestic Diversity Tag</i>	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
3450:208 Introduction to Discrete Mathematics (4)	3450:145 or 3450:149 or placement test or permission
2440:465 Data Communications and Networking (3) (Note a)	Junior/Senior standing
2440:470 Database Management II (3) (Note a)	2440:180
Total Credits = 15-16	

Year 4 Spring	Prerequisite
2040:243 <i>Contemporary Global Issues (3)</i> <i>Fulfills Global Diversity Tag</i>	
<i>Natural Science Requirement without Lab (3)</i>	
<i>Complex Systems Tag Requirement (3)</i>	
2440:365 E-Business Application Development (3) (Note b)	2440:211 and 2440:321
2440:451 CIS Senior Programming Projects (3) (Note b)	Senior standing
Total Credits = 15	

Total Credits for Degree = 122 minimum

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy Notes

- Students must attain a "C" or better in each course in their major area (2440).
- The Department of Business and Information Technology requires a cumulative GPA of 2.0 and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.

Notes

- a) Traditionally Fall Only (See Program Contact)
- b) Traditionally Spring Only (See Program Contact)
- c) Prior to enrolling in classes for the B.S. degree you must contact an advisor in Polsky 301.
- d) Course must be part of the Ohio Transfer Module.

CIS Electives

The CIS Elective may be chosen from the following list:

- 2440:388; Advanced UNIX/Linux; (3 credits); (pre-req = 2440:145),
- 2440:450 Applied Data Mining (3 credits); (pre-req = 2030:345),
- 2440:480; Current Topics in Computer Information Systems; (3 credits).

The CIS electives may be registered after taking the necessary prerequisite(s) or by permission from the CIS program.

BS CIS – Web Development Option (Total Credits)

- General Education (44-45/122-123) = 36%
- Business Core (24/122-123) = 20%
- CIS (54/122-123) = 44%

Program Contacts

- Enoch Damson (damson@uakron.edu), 330-972-7162
- Dr. Zarreen Farooqi (zarreen@uakron.edu), 330-972-8858
- CAST Advising, Polsky Building Room 203, 330-972-7220

Program Description

The CIS program offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills. Schedules offer a range of day and evening classes.

Career Information

Graduates of the **AAB/BS CIS – Web Development** program are expected to qualify for such positions as web developer, web designer, web administrator, developer/programmer analysts, and database administrators in government, business, information technology, and other industries.

For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center in the Simmons Hall, Room 301, <http://www.uakron.edu/career/>

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Computer Information Systems

Digital Forensics Technology Option, Bachelor of Science Degree (244304BS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

CIS and CJ core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	Placement by Advisor
2030:152 <i>Technical Mathematics II (2)</i>	Placement by Advisor; must pass with C- or better
2030:153 <i>Technical Mathematics III (2)</i>	2030:152
2420:104 Introduction to Business in Global Environment (3)	
3800:100 Introduction to Criminal Justice (3)	
2440:247 Hardware Support (3) (Note a)	
Total Credits = 16	

Year 1 Spring	Prerequisite
2022:222 <i>Technical Report Writing (3)</i>	2020:121 or 3300:111 or equivalent
2030:154 Technical Mathematics IV (3)	
3800:102 Principles of Criminal Law (3)	3800:100
3800:105 Introduction to Police Studies (3)	3800:100
2440:145 Introduction to Unix/Linux (3) (Note a)	2440:105 or placement test
Total Credits = 15	

Year 2 Fall	Prerequisite
<i>Natural Science Requirement with Lab (4)</i>	
2040:247 <i>Survey of Basic Economics (3) -OR- 2040:240 Human Relations (3)</i>	
2420:263 <i>Professional Communications and Presentations (3)</i>	
3800:104 Evidence and Criminal Legal Process (3)	3800:100
2235:280 Cybercrime (3)	3800:100
Total Credits = 16	

Year 2 Spring	Prerequisite
2040:242 <i>American Urban Society (3)</i>	
2040:243 <i>Contemporary Global Issues (3)</i> <i>Fulfills Global Diversity Tag</i>	
2235:281 Computer Forensic Methods (3)	3800:100 or 101
3800:298 Applied Ethics in Criminal Justice (3)	3800:100
Elective (3) 2800:xxx Criminal Justice -OR- 2440:xxx Computer Information Systems -OR- 2030:xxx Applied Mathematics -OR- 3450:xxx Mathematics -OR- 3460:xxx Computer Science -OR- 3470:xxx Statistics -OR- 3700:xxx Political Science -OR- 3850:xxx Sociology	
Total Credits = 15	

Year 3 Fall	Prerequisite
3400:210 <i>Humanities in the Western Tradition I (4)</i> -OR- 3400:221 <i>Humanities in the World Since 1300 (4)</i> <i>Either Course Fulfills Critical Thinking Tag</i>	32 credits and 2020:222 or 3300:112 or 3300:114 or permission
2030:361 Applied Cryptography (3)	2030:154
2235:382 File System Analysis (3)	2235:281
2235:381 Computer Forensic Methods II (3)	2235:281
2440:340 Network Forensics I (3)	Junior/Senior standing and 2235:281
Total Credits = 16	

Year 3 Spring	Prerequisite
<i>Natural Science Requirement without Lab (3)</i>	
2030:345 Technical Data Analysis (2)	2030:154 (with C- or better)
2220:480 Digital and Scientific Evidence (3)	3800:104
2440:306 Ethics and Law in IT (3) (Note a)	Junior/Senior standing
2440:388 Advanced Unix/Linux (3) (Note b)	2440:145
2440:443 Network Forensics II (3)	Junior/Senior standing and 2440:340
Total Credits = 17	

Year 4 Fall	Prerequisite
7100:210 <i>Visual Arts Awareness (3)</i> -OR- 7500:201 <i>Exploring Music, Bach to Rock (3)</i> -OR- 7900:200 <i>Viewing Dance (3)</i> -OR- Arts Requirement (3) (Note d)	3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221
2040:241 <i>Technology and Human Values (3)</i> <i>Complex Systems Tag Requirement (3)</i>	
2440:430 Network Monitoring and Management (3) (Note b)	2440:204 or Junior standing
2440:440 Intrusion Detection (3)	Junior/Senior standing and 2440:340 and 388
2440:442 Wireless Forensics (3)	Junior/Senior standing and 2440:340, 388
Total Credits = 15	

Year 4 Spring	Prerequisite
2040:256 <i>Diversity in American Society (3)</i> <i>Fulfills Domestic Diversity Tag</i>	2020:121 or 3300:112 or equivalent
3300:252 <i>Shakespeare and His World (3)</i> -OR- 3600:101 <i>Introduction to Philosophy (3)</i> -OR- Arts or Humanities Requirement (3) (Note d)	<i>For 3300:252 only:</i> 2020:121 and 2020:222 or their equivalents, and 3400:210 or 3400:221
2440:441 Cyber Security (3)	Junior/Senior standing and 2440:340, 361, 388
2440:450 Applied Data Mining (3)	Junior/Senior standing and 2030:345
2440:451 CIS Senior Programming Projects (3) (Note b)	Senior standing
Total Credits = 15	

Total Credits for Degree = 125

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy Notes

- Students must attain a "C" or better in each course in their major area (2440).
- The Department of Business and Information Technology requires a cumulative GPA of 2.0 GPA and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.

Notes

- a) Traditionally Fall Only (See Program Contact)
- b) Traditionally Spring Only (See Program Contact)
- c) Prior to enrolling in classes for the B.S. degree you must contact an advisor in Polsky 301.
- d) Course must be part of the Ohio Transfer Module.

BS CIS – Digital Forensics Technology (Total Credits)

- General Education (45/125) = 36%
- Business/Math (11/125) = 9%
- Criminal Justice (30/125) = 24%
- CIS (36/125) = 29%
- Elective (3/125) = 2%

Program Contacts

- Dr. John Nicholas (jn@uakron.edu), 330-972-2563
- Dr. Zarreen Farooqi (zarreen@uakron.edu), 330-972-8858
- Dr. Scott Randby (srandby@uakron.edu), 330-972-6094
- Mr. Stanley Smith (shsmith@uakron.edu), 330-972-6950
- CAST Advising, Polsky Building Room 203, 330-972-7220

Program Description

The **CIS discipline or program area** offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills. Schedules offer a range of day, evening and weekend classes.

Career Information

Graduates of the **BS CIS – Digital Forensics Technology** program are expected to qualify for such positions as law enforcement professionals, computer forensic specialists, data security analysts, systems security administrators, and network security administrators in government, business, information technology, and other industries.

For additional information please visit the Bureau of Labor Statistics (www.bls.gov) or visit the Career Center at Simmons Hall Room 301 (<http://www.uakron.edu/career>).

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Computer Information Systems

Cybersecurity Option, Bachelor of Science Degree (244305BS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Courses in **bold** type are Cybersecurity core courses. Non-bold, non-italicized courses are non-Cybersecurity core courses. General Education requirements are in *italics*. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English</i> (3)	<i>Placement by Advisor</i>
2440:145 Introduction to UNIX/Linux^a (3)	2440:105 or placement test
2440:201 Networking Basics^{a-c-e} (3)	2440:105 or placement test
2440:202 Router and Routing Basics^{a-c-e} (3)	2440:201
2235:100 Introduction to Digital Forensics^a (3)	
Total Credits = 15	

Year 1 Spring	Prerequisite
2020:222 <i>Technical Report Writing</i> (3)	2020:121 or 3300:111 or equivalent
2030:152 <i>Technical Mathematics II</i> (2) -AND- 2030:153 <i>Technical Mathematics III</i> (2)	<i>Placement by Advisor</i> 2030:152 (pass with C- or better)
2440:121 Introduction to Logic/Programming (3)	2440:105 or placement test
2440:203 Switching Basics and Wireless^{a-d-e} (3)	2440:201 and 2440:202
2440:204 WAN Technologies^{a-d-e} (3)	2440:202 and 2440:203
Total Credits = 16	

Year 2 Fall	Prerequisite
<i>Natural Science Requirement without Lab^h</i> (3)	
2420:263 <i>Professional Communications and Presentations</i> (3)	
2040:256 <i>Diversity in American Society</i> (3) <i>Fulfills Domestic Diversity Tag</i>	2020:121, or 3300:112 or equivalent
2235:280 Cybercrime^a (3)	2235:100
2440:247 Hardware Support^a (3)	Admission to program or permission of program director
Total Credits = 15	

Year 2 Spring	Prerequisite
2040:241 <i>Technology and Human Values</i> (3) <i>Fulfills Complex Issues Tag</i>	
2235:281 Computer Forensic Methods^a (3)	2235:100
2440:248 Server Hardware Support^{a-d} (3)	2440:247
2030:216 Applied Finite Mathematics (3)	2030:153 with a grade of C- or better, or placement test
2440:240 CIS Internship or Co-op^{a-d-f} (3/0)	2440:241, or 2440:202 and 2440:247, or 2440:282 and 2440:247
Total Credits = 15	

Year 3 Fall	Prerequisite
<i>Natural Science Requirement with Lab^h</i> (4)	
2030:361 Applied Cryptography (3)	A grade of C- or better in either 2030:154 or 2030:216
2235:283 Cyber Hacking & Data Recovery^a (3)	2235:100 or 3800:100
2235:381 Computer Forensic Methods II^a (3)	2220:281
2235:382 File System Analysis^a (3)	2220:281
Total Credits = 16	

Year 3 Spring	Prerequisite
3300:252 <i>Shakespeare and His World</i> (3) -OR- 3300:281 <i>Fiction Appreciation</i> (3) -OR- Arts or Humanities Requirement ^h (3)	<i>For 3300:252/281 only: 2020:121 and 2020:222 or their equivalents, and 3400:210 or 3400:221</i>
2235:383 Ethical Hacking^a (3)	2235:283
2440:331 Programming for Cybersecurity^{a-d} (3)	2440:121 and 2440:145
2440:340 Network Forensics I^{a-d} (3)	Junior/Senior standing & 2220:281 with a grade of C or better
2440:388 Advanced Unix/Linux^b (3)	2440:145 and Junior/Senior Standing
Total Credits = 15	

Year 3 Summer	Prerequisite
Co-op^f (0/3)	

Year 4 Fall	Prerequisite
3600:101 <i>Introduction to Philosophy</i> (3) -OR- 3600:125 <i>Theory and Evidence</i> (3) -OR- 3600:150 <i>Critical Thinking</i> (3) -OR- 3600:170 <i>Introduction to Logic</i> (3) -OR- Humanities Requirement ^h (3) <i>Each Course Fulfills Critical Thinking Tag</i>	
2440:300 Network Authentication & Security^{a-c} (3)	2440:204
2440:431 UNIX-based System Security^{a-c} (3)	2440:388 with a grade of C or better
2440:442 Wireless Forensics^{a-c} (3)	Junior/Senior standing and a grade of C or 2440:340
2440:443 Network Forensics II^{a-c} (3)	Junior/Senior standing and a grade of C or 2440:340
Total Credits = 15	

Year 4 Spring	Prerequisite
2040:243 <i>Contemporary Global Issues</i> (3) <i>Fulfills Global Diversity Tag</i>	
7100:210 <i>Visual Arts Awareness</i> (3) -OR- 7500:201 <i>Exploring Music, Bach to Rock</i> (3) -OR- 7900:200 <i>Viewing Dance</i> (3) -OR- Arts Requirement ^h (3)	3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221
2440:440 Intrusion Detection^{a-d} (3)	Junior/Senior standing & 2440:340 with a grade of C or better
2030:461 Applied Cryptanalysis (3)	2030:361 with a grade of C- or better
2440:490 CIS Senior Networking Projects^{a-d} (3)	Permission from program director
Total Credits = 15	

Total Credits for Degree = 122 minimum

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes

- a) Students must attain a "C" or better in each course in their major area (2440/2220/2235).
- b) The Department of Business and Information Technology requires a cumulative GPA of 2.0 and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.
- c) Traditionally Fall Only (See Program Contact)
- d) Traditionally Spring Only (See Program Contact)
- e) Course is a 7.5 week course
- f) Eligible students will be involved in a paid co-op experience during the summer semester of the third year of the program. Co-op positions will enhance the cybersecurity skills of students and provide them with relevant and practical work experience in the cybersecurity industry. Students must have a cumulative GPA of 3.0 or higher in their 2440, 2235, and 2030 courses at the end of the 2nd Year Fall semester and must maintain a GPA of 3.0 or higher through 3rd Year Spring semester to be eligible for the Co-op.
 - This paid co-op experience course will be offered as a special section of 2440:240 CIS Internship for those who qualify.
 - Those students who have a cumulative GPA under 3.0 must complete a standard section of 2440:240 CIS Internship course. This will also include those who did not maintain a cumulative GPA of 3.0 or higher from the 2nd Year Fall semester through the 3rd Year Spring semester.
- g) Students must consult with their advisor to choose at least one Humanities and Arts general education course approved for the Complex Systems Affecting Individuals in Society TAG.
- h) Course must be part of the Ohio Transfer Module.

BS CIS – Cybersecurity Option (Total Credits)

- General Education (38/122 credits) = 31%
- Mathematics (9/122 credits) = 7%
- CIS (54/122 credits) = 44%
- EMDS (21/122 credits) = 17%

Program Contacts

- Dr. John Nicholas (jn@uakron.edu), 330-972-2563
- Dr. Scott Randby (srandby@uakron.edu), 330-972-6094
- Mr. Stanley Smith (shsmith@uakron.edu), 330-972-6950
- CAST Advising, Polsky Building Room 203, 330-972-7220

Program Description

The CIS discipline or program area offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills. Schedules offer a range of day, evening, and weekend classes.

Career Information

Graduates of the **BS CIS – Cybersecurity** program are expected to qualify for such positions as law enforcement professionals, computer forensic specialists, data security analysts, systems security administrators, and network security administrators in government, business, information technology, and other industries.

For additional information, please visit the Bureau of Labor Statistics (www.bls.gov) or visit the Career Center in Simmons Hall, Room 301 (www.uakron.edu/career/).

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Marketing and Sales Technology

Retail Fashion Option, Associate of Applied Business Degree (252001AAB)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Marketing and Sales Technology core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English</i> (3)	<i>Placement test</i>
2030:161 <i>Math for Modern Technology</i> (4)	<i>Placement test</i>
2420:103 Essentials of Management Technology (3)	
2420:104 Introduction to Business in the Global Environment (3)	
2520:101 Essentials of Marketing Technology (3)	
Total Credits = 16	

Year 1 Spring	Prerequisite
2420:263 <i>Professional Communications and Presentations</i> (3)	
7350:225 Textiles (3)	
2420:270 Business Software Applications (3)	2440:105 or placement test
2520:202 Retailing Fundamentals (3)	
2520:203 Principles of Advertising (3)	2520:101 or 6600:205
Total Credits = 15	

Year 2 Fall	Prerequisite
2040:247 <i>Survey of Basic Economics</i> (3)	
2420:202 Elements of Human Resource Management (3)	2420:103 or permission
2420:211 Basic Accounting I (3)	
2520:206 Retail Promotion and Advertising (3) (Note a)	2520:202 or permission
2520:212 Principles of Sales (3) (Note a)	2520:101 or permission
Total Credits = 15	

Year 2 Spring	Prerequisite
<i>Natural Science Requirement without Lab</i> (3)	
7350:139 The Fashion and Furnishings Industry (3)	
7350:219 Dress and Culture (3)	
7350:226 Textile Evaluation (3)	7300:225
2520:221 Marketing Projects (3) (Note a) -OR- 2520:240 Marketing Internship (3) (Note b)	2520:203 2520:212
Total Credits = 15	

Total Credits for Degree = 61

Required Bridge Course

Students must pass department placement test, complete bridge course (**2440:105 Introduction to Computers and Application Software, 3 credits**), or gain entry permission from the Program Director.

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy Notes

- Students must achieve a "C" or better in each course in their major area (2520).
- The Department of Business and Information Technology requires a cumulative GPA of 2.0 and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.

Notes

- Fall only
- Spring only

Career Information

For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

Bachelor Degree Option

Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

Program Contact

- Kevin Feldt, Polsky Building Room M183F, 330-972-8249, kfeldt@uakron.edu
- CAST Advising, Polsky Building Room 203, 330-972-7220

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

College of Applied Science and Technology

MARKETING AND SALES TECHNOLOGY 252001AAB

FASHION OPTION

Associate of Applied Business Degree

https://www.uakron.edu/summitcollege/business_technology/marketing-sales-tech/

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement Test
2030:161	<i>Math for Modern Technology</i>	4	Placement Test
2520:101	Essentials of Marketing Technology	3	
7600:105	<i>Introduction to Public Speaking</i>	3	2020:121 or 3300:111
2420:270	Business Software Applications	4	2440:105 or Placement Test
Total		17	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2420:104	Introduction to Business in the Global Environment	3	
2520:203	Principles of Advertising (Note a)	3	2520:101 or 6600:300
2420:211	Basic Accounting I	3	
2020:222	<i>Technical Report Writing</i>	3	2020:121, 3300:111 or Equivalent for either option
2420:263	<i>Professional Communications & Presentations</i>		
2040:240	<i>Human Relations</i>	3	
7400:225	Textiles	3	
Total		18	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2040:247	<i>Survey of Basic Economics</i>	3	
3250:200	<i>Principles of Microeconomics</i>		
2040:256	<i>Diversity in American Society</i>	2	
2520:206	Retail Promotion & Advertising	3	2520:202
2520:202	Retailing Fundamentals	3	
2520:212	Principles of Sales	3	2520:101
Total		14	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2420:280	Essentials of Business Law	3	
7400:219	Dress & Culture	3	
7400:226	Textile Evaluation	3	7400:225
7400:139	The Fashion and Furnishings Industry	3	
2520:204	Services Marketing	3	2520:203 and 2520:212, 2520:202 (Coreq)
Total		15	

	Total Credits for Degree	64	
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Required Bridge Course

Students must pass department placement test, complete bridge courses or gain entry permission from the program director.

2420:140	Keyboarding	2
2440:105	Intro to Computers & Application Software	3

POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTES

- a. Spring and Summer Only

PROGRAM CONTACT

Kevin Feldt, Polsky Building Room M183, 330-972-8249, kfeldt@uakron.edu

CAREER INFORMATION

- For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

BACHELOR DEGREE OPTIONS

- Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE):

To be admitted to the College of Applied Science & Technology, a student must have a GPA of 2.0. A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

(Holmes) Gilpatric

Marketing and Sales Technology

Advertising and Sales Option, Associate of Applied Business Degree (252007AAB)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Marketing and Sales Technology core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	<i>Placement test</i>
2030:161 <i>Math for Modern Technology (4)</i>	<i>Placement test</i>
2420:103 Essentials of Management Technology (3)	
2420:104 Introduction to Business in the Global Environment (3)	
2520:101 Essentials of Marketing Technology (3)	
Total Credits = 16	

Year 1 Spring	Prerequisite
2420:263 <i>Professional Communications and Presentations (3)</i>	
2020:224 Writing for Advertising (3)	2020:121, 3300:111 or equivalent
2420:270 Business Software Applications (3)	2440:105 or placement test
2520:202 Retailing Fundamentals (3)	
2520:203 Principles of Advertising (3)	2520:101 or 6600:205
Total Credits = 15	

Year 2 Fall	Prerequisite
2040:244 <i>Death and Dying (3)</i> -OR- 2040:254 <i>Black Experience 1619-1877 (2)</i> -OR- 2040:256 <i>Diversity in American Society (3)</i> -OR- 2040:257 <i>Black Experience 1877-1954 (2)</i> -OR- 2040:258 <i>Black Experience 1954-Present (2)</i>	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
2420:202 Elements of Human Resource Management (3)	2420:103
2420:211 Basic Accounting I (3)	
2520:206 Retail Promotion and Advertising (3) (Note a)	2520:202
2520:212 Principles of Sales (3) (Note a)	2520:101
Total Credits = 14-15	

Year 2 Spring	Prerequisite
<i>Natural Science without Lab (3)</i>	
2040:247 <i>Survey of Basic Economics (3)</i>	
2520:204 Services Marketing (3) (Note b)	2520:203 and 2520:212, 2520:202 (corequisite)
2520:221 Marketing Projects (3) (Note a) -OR- 2520:240 Marketing Internship (3) (Note b)	2520:203 2520:212
2520:254 Sales Management Technology (3) (Note b)	2520:212
Total Credits = 15	

Total Credits for Degree = 60 minimum

Required Bridge Course

Students must pass department placement test, complete bridge course (**2440:105 Introduction to Computers and Application Software, 3 credits**), or gain entry permission from the Program Director.

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy Notes

- Students must achieve a "C" or better in each course in their major area (2520).
- The Department of Business and Information Technology requires a cumulative GPA of 2.0 and a minimum of 15 earned credit hours for Inter- and Intra-College Transfer into all Associate and Bachelor's degree programs.

Notes

- Fall only
- Spring only

Career Information

For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

Bachelor Degree Option

Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

Program Contact

- Kevin Feldt, Polsky Building Room M183F, 330-972-8249, kfeldt@uakron.edu
- CAST Advising, Polsky Building Room 203, 330-972-7220

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

College of Applied Science and Technology

MARKETING AND SALES TECHNOLOGY252007AAB

ADVERTISING EMPHASIS

Associate of Applied Business Degree

https://www.uakron.edu/summitcollege/business_technology/marketing-sales-tech/

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at [http://www.uakron.edu/advising/docs/General Education Guide.pdf](http://www.uakron.edu/advising/docs/General_Education_Guide.pdf).

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement Test
2420:104	Introduction to Business in the Global Environment	3	
2520:101	Essentials of Marketing Technology	3	
7600:105	<i>Introduction to Public Speaking</i>	3	2020:121 or 3300:111
2420:270	Business Software Applications	4	2440:105 or Placement Test
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2030:161	<i>Math for Modern Technology</i>	4	Placement Test
2520:203	Principles of Advertising	3	2520:101 or 6600:300
2420:271	Desktop Publishing	3	2540:140 or Permission
2420:272	Microsoft PowerPoint (Note a.)	2	2540:140 or 2540:143 or Permission
2020:222	<i>Technical Report Writing</i>	3	2020:121, 3300:111 or Equivalent for either option
2420:263	<i>Professional Communications & Presentations</i>		
2040:240	<i>Human Relations</i>	3	
Total		15-16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2520:206	Retail Promotion & Advertising	3	2520:202
2520:202	Retailing Fundamentals	3	
2520:212	Principles of Sales	3	2520:101
2020:224	Writing for Advertising	4	2020:121, 3300:111 or Equivalent
2520:221	Advertising Campaign	3	2520:203
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2040:247	<i>Survey of Basic Economics</i>	3	
3250:200	<i>Principles of Microeconomics</i>		
2040:256	<i>Diversity in American Society</i>	2	
2420:211	Basic Accounting I	3	
2520:204	Services Marketing	3	2520:203 and 2520:212, 2520:202 (Coreq)
2420:280	Essentials of Business Law	3	
2520:240	Marketing Internship	3	Permission
Total		17	

Total Credits for Degree	64-65
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Required Bridge Courses

Students must pass department placement test, complete bridge courses or gain entry permission from the program director.

2540:140/2540:143	Keyboarding	2
2440:105	Intro to Computers & Application Software	3

POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

Note a. – Course offered at Wayne Campus only

PROGRAM CONTACT

Kevin Feldt, Polsky Building Room M183, 330-972-8249, kfeldt@uakron.edu

CAREER INFORMATION

- For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

BACHELOR DEGREE OPTIONS

- Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE):

To be admitted to the College of Applied Science & Technology, a student must have a GPA of 2.0. A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

(Holmes) Gilpatric

College of Applied Science and Technology

MARKETING AND SALES TECHNOLOGY 252008AAB

SALES EMPHASIS

Associate of Applied Business Degree

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement Test
2030:161	<i>Math for Modern Technology</i>	4	Placement Test
2520:101	Essentials of Marketing Technology	3	
7600:105	<i>Introduction to Public Speaking</i>	3	2020:121 or 3300:111
2420:104	Introduction to Business in the Global Environment	3	
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2420:270	Business Software Applications	4	2440:105 or Placement Test
2520:203	Principles of Advertising (Note a)	3	2520:101 or 6600:300
2520:212	Principles of Sales	3	2520:101
2020:222	<i>Technical Report Writing</i>	3	2020:121, 3300:111 or Equivalent for both options
2420:263	<i>Professional Communications & Presentations</i>		
2040:240	<i>Human Relations</i>	3	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2020:224	Writing for Advertising	4	2020:121, 3300:111 or Equivalent
2040:247	<i>Survey of Basic Economics</i>	3	
3250:200	<i>Principles of Microeconomics</i>		
2520:202	Retailing Fundamentals	3	
2520:221	Advertising Campaign	3	2520:203
2520:254	Sales Management Technology	3	2030:151, 2520:212
2040:256	<i>Diversity in American Society</i>	2	
Total		18	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2420:211	Basic Accounting I	3	
2420:280	Essentials of Business Law	3	
2420:243	Survey in Finance	3	2420:170 and 2420: 211
2520:204	Services Marketing	3	2520:203 and 2520:212, 2520:202 (Coreq)
2520:206	Retail Promotion & Advertising	3	2520:202
2520:240	Marketing Internship	3	2520:101, 2520:202, 2520:203, 2520:212
Total		18	

	Total Credits for Degree	68	
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Required Bridge Course

Students must pass department placement test, complete bridge courses or gain entry permission from the program director.

2420:140	Keyboarding	2
2440:105	Intro to Computers & Application Software	3

POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTE

- a. Spring and Summer Only

PROGRAM CONTACT

Vicki Rostedt, Polsky Building Room 182F, 330-972-7381, rostedt@uakron.edu

CAREER INFORMATION

- For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

BACHELOR DEGREE OPTIONS

- Enter a Bachelor's degree program in Organizational Supervision. This program is designed specifically for students with an earned associate degree from an accredited institution or junior standing at The University of Akron.

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE):

To be admitted to Summit College, a student must have a GPA of 1.75. A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

(Holmes) Gilpatric

253000 HEALTH CARE OFFICE MANAGEMENT

Students entering the program must demonstrate a fundamental knowledge of computer software and keyboarding by examination (CISBR) or take the following bridge courses prior to enrolling in the program:

2440:105 Introduction to Computers and Application Software
 2420:140 Keyboarding

C E R 1ST YEAR							
FALL SEMESTER				Online	Credit Hours	Prerequisites	
			2420:211	Basic Accounting I		3	
			2530:240	Medical Coding (Diagnostic)*	•	3	
			2530:241	Health Information Management*	•	3	
			2740:120	Medical Terminology**	•	3	
			3300:111	English Composition I	•	3	Placement by advisor
						15 Total	
SPRING SEMESTER							
			2440:125	Spreadsheet Software	•	2	Placement by advisor
			2530:242	Medical Office Administration*	•	3	2740:120
			2530:243	Medical Coding II (Procedural)*	•	3	2740:120; 2530:240
			2740:121	Study of Disease Processes	•	3	2740:120
			3470:250	Statistics for Everyday Life (Lecture / Lab)		4	Placement by advisor
						15 Total	
C E R 2ND YEAR							
FALL SEMESTER				Online	Credit Hours	Prerequisites	
			2420:103	Essentials of Management Technology		3	
			2530:244	Medical Insurance Billing*	•	3	2530:243
			2530:255	Health Care Office Management and Medicolegal Issues*	•	3	2530:241, 242, & 243; 3300:111
			2530:258	Internship Orientation & Career Development*	•	3	Permission
			3750:100	Introduction to Psychology	•	3	
				Natural Science Requirement		3	
						18 Total	
SPRING SEMESTER							
			2420:202	Elements of Human Resources Management		3	2420:103
			2530:257	Health Care Office Finance*	•	3	2420:211, 2440:125, 2530:243
			2530:260	Health Care Office Management Internship*	•	3	Permission
			2530:284	Medical Office Techniques*	•	3	2740:120
			7600:105 7600:106	Introduction to Public Speaking or Effective Oral Communication		3	
						15 Total	
C = Completed E = Exempt R = Required						TOTAL CREDITS - 63†	

*A grade of "C" or higher is required in all 2530: department courses.

**It is strongly recommended that you take 2740:120 prior to taking any of the remaining medical-related courses.

†Current CPR certification (through the Red Cross or AHA) is required OR take 5550:211 First Aid & CPR

– A minimum of three credits of natural science from the approved General Education list is required. Please consult an advisor for specific information on course alternatives.

253000 HEALTH CARE OFFICE MANAGEMENT

Colleen Teague
Coordinator, A-105C
330-684-8733 • teague@uakron.edu

The Health Care Office Management program is designed to meet the needs of current health care office employees and others to develop skills to prepare for technical, supervisory, or management positions in the health care field. Graduates will be trained for the daily operation and general management of the health care office practice. The responsibilities include all administrative, financial, human resources, clerical, and supply functions with a special emphasis on medical coding, insurance billing, and financial analysis.

TYPICAL JOB TITLES

- Health Care Office Manager
- Medical Office Manager
- Practice Manager
- Practice Administrator



The health care office manager is responsible for the daily operation and general management of the office practice. Areas of responsibility include insurance/managed health care plans, risk management, finance, contract management, data management, human resource management, communication, clinical knowledge administration, marketing, as well as other administrative functions. Because of the vast changes in health care in general and medical office practices in particular, it is necessary to have a well-trained and competent health care office manager and staff who, along with the physician(s), are capable of running the business side of the medical office practice.

The salary and wages of medical office managers can vary greatly based on education and experience. Other factors that can affect the salary and wages of medical office manager are type of practice, size of practice and geographical location. According to a survey done by the Professional Association of Health Care Office Management (PAHCOM) in 2009, the average salary for a medical office manager in specialty medical practices was \$54,314, in gastroenterology, \$54,201 in dermatology, \$58,899 in cardiology, \$44,910 in obstetrics and gynecology, \$51,466 in pediatrics, and \$47,152 in family practice.

CERTIFIED MEDICAL MANAGER (CMM)

Certification is available through the Professional Association of Health Care Office Managers (PAHCOM). Qualification for CMM requires active employment as a Health Care Office Manager performing a scope of duties for a minimum of three years, a minimum of twelve acceptable college or university credit hours, and successful completion of a written national exam. For more information on student membership or professional certification, contact PAHCOM at 1576 Bella Cruz Drive, Suite 360, Lady Lake, FL 32159, phone 800-451-9311, or visit their website at www.pahcom.com.

NOTE

If you are pursuing an associate degree and have completed twelve or more semester credits, we suggest that you schedule an appointment with an academic advisor to transfer into the College of Applied Science and Technology (CAST) to produce a student degree agreement (contract). The degree agreement is a formal statement of the courses that you must complete to satisfy your degree requirements.

Paraprofessional Education
265000 Intervention Specialist
 (Requirements effective Spring Semester 2015)

C E R FIRST YEARFall Semester

<u>C</u> <u>E</u> <u>R</u>	<u>Credit Hours</u>	<u>Prerequisites</u>
— — — 3150:101 Chemistry for Everyone/Lab (Note a.)	4	H. S. chem. or equiv. <u>strongly recommended</u>
— — — 3300:111 English Composition I	3	Placement by adviser
— — — 3450:145 College Algebra	4	Placement by adviser
— — — 3750:100 Introduction to Psychology	<u>3</u>	
	14	

Spring Semester

— — — 3100:265 Introduction to Human Physiology/Lab	4	
— — — 3300:112 English Composition II	3	3300:111
— — — 3850:100 Introduction to Sociology	3	
— — — 7600:106 Effective Oral Communication	3	
— — — 7400:265 Child Development	<u>3</u>	
	16	

SECOND YEARFall Semester

— — — 5100:200 Introduction to Education (Note c.)	3	13-15 sem. hrs. of specific Gen. Ed. courses FBI/BCI checks
— — — 5100:220 Educational Psychology (Note c.)	3	13-15 sem. hrs. of specific Gen. Ed. courses FBI/BCI checks
— — — 5500:230 Educational Technology (Note c.)	3	13-15 sem. hrs. of specific Gen. Ed. courses FBI/BCI checks
— — — 5550:211 First Aid and CPR	2	
— — — 5610:225 Introduction to Exceptionalities (Note c.)	<u>3</u>	13-15 sem. hrs. of specific Gen. Ed. courses FBI/BCI checks
	14	

Spring Semester

— — — 2650:295 Paraprofessional Field Experience (Note c.)	2	Permission of Program Coordinator
— — — 5500:245 Understand. Literacy Development & Phonics (Note c.)	3	3300:112; 5100:200/220
— — — 5610:450 Special Educ. Programming in Early Childhood (Note c.)	3	5610:225 or Permission
— — — 5610:459 Collabor./Consult. in Schools & Communities (Note c.)	3	5610:225 or Permission
— — — 5610:467 Management Strategies in Special Education (Note c.)	3	5610:225 or Permission
Technical Studies electives (Note d.)	<u>2</u>	
	16	

TOTAL CREDITS - 60

C = Completed E = Exempt R = Required

NOTES:

- a. It is strongly recommended that you have recent high school algebra. If algebra skills need updating, you should see an adviser for assistance. Note that updating these skills will extend the time required to complete the program. Contact the program coordinator or your academic adviser for more details.
- b. It is strongly recommended that 3150:101 Chemistry for Everyone be taken prior to 3100:265 Introductory Human Physiology. Contact the program coordinator or your academic adviser for more details.
- c. 5100:200/220 are foundation courses in education. They can be taken simultaneously with 5500:230 & 5610:225. These must be taken before all remaining professional education courses.

- d. One Technical Studies elective course is required. This elective may be a special topics course designed for the associate degree or from diversity studies. Based upon student's interests and programming, please consult with the Paraprofessional Education Program Coordinator to determine which Technical Studies elective(s) to pursue.

PARAPROFESSIONAL EDUCATION

Shawn Watters - Coordinator

C-216

(330) 684-8788

sw94@uakron.edu

Paraprofessionals are education assistants who have special training to work in public and private schools. They provide instructional support to individuals and small groups of students, assist teachers with modifications and accommodations for students, assist with the implementation of behavior plans, and monitor students within a variety of educational settings. In addition, they are critical members of an educational team who collect data on students for progress monitoring and collaborate with teachers to ensure educational services are consistent across settings and personnel.

The Associate of Applied Science degree in Paraprofessional Education candidates will study how children develop and learn, how to support students with diverse learning needs within their school settings, the historical foundation of education, and how to effectively collaborate with teachers and other related services personnel. Field observations, service learning projects, and a field experience similar to student teaching offer students meaningful opportunities to integrate and apply classroom lessons.

The associate degree provides immediate employability, making it possible to work in a school setting while pursuing additional educational options. The curriculum enhances employability by integrating classroom learning with meaningful practicum experiences. The program serves as a pathway to the Bachelor's degree program for students interested in obtaining licensure as an Intervention Specialist.

Admission Requirements:

Admission to the Associate of Applied Science degree in Paraprofessional Education is available to students who have been admitted to The University of Akron Wayne College.

Wayne College admission requirements include:

1. High School or GED diploma;
2. All students (provisional and standard) pursuing an associate degree will be directly admitted to Wayne College.

Admission requirements for the Paraprofessional Education associate degree include:

1. 3300:111 English Composition I (3);
2. 7600:105 Introduction to Public Speaking (3), or 7600:106 Effective Oral Communication (3);
3. A Natural Science course (3);
4. A Social Science course (3);
5. Current BCI and FBI checks;
6. Apply to the Paraprofessional Education program via online application and recommendation form.

Upon successful completion of the AAS degree and a GPA of 2.5 or better with a grade of C or better in required education (5000) courses, the student is eligible to apply for admission to the College of Education through the Intercollege Transfer (ITC) process. Students must make an appointment with an adviser through the Student Services Office at Wayne College to initiate an Intercollege Transfer.

PARAPROFESSIONAL EDUCATION265001 Early Childhood

(Requirements effective Spring Semester 2015)

C E R FIRST YEARFall Semester

	<u>Credit Hours</u>	<u>Prerequisites</u>
___ ___ ___ 3100:103 Natural Science: Biology Lecture/Lab (Note a.)	4	
___ ___ ___ 3300:111 English Composition I	3	Placement by adviser
___ ___ ___ 3350:100 Introduction to Geography	3	
___ ___ ___ 3400:250 U.S. History to 1877	4	
or		
___ ___ ___ 3400:251 U.S. History since 1877	4	
or		
___ ___ ___ 3700:100 Government & Politics in the U.S.	<u>4</u>	
	14	

Spring Semester

___ ___ ___ 3300:112 English Composition II	3	3300:111
___ ___ ___ 3450:145 College Algebra	4	Placement by adviser
or		
___ ___ ___ 3470:250 Statistics of Everyday Life Lecture/Lab	4	Placement by adviser
___ ___ ___ 3760:265 Child Development	3	
___ ___ ___ 7600:106 Effective Oral Communication	3	
___ ___ ___ Natural Science Requirement (Note a.)	<u>4</u>	
	17	

SECOND YEARFall Semester

___ ___ ___ 5100:200 Introduction to Education (Note b.)	3	13-15 sem. hrs. of specific Gen. Ed. courses FBI/BCI checks
___ ___ ___ 5100:220 Educational Psychology (Note b.)	3	13-15 sem. hrs. of specific Gen. Ed. courses; FBI/BCI checks; 5100:200 (pre- or co-req.)
___ ___ ___ 5500:230 Educational Technology (Note b.)	3	13-15 sem. hrs. of specific Gen. Ed. courses; FBI/BCI checks; 5100:200 (pre- or co-req.)
___ ___ ___ 5550:211 First Aid and CPR	2	
or		
___ ___ ___ 5550:212 First Aid and CPR for Professional Rescuers	2	
___ ___ ___ 5610:225 Introduction to Exceptionalities (Note b.)	<u>3</u>	13-15 sem. hrs. of specific Gen. Ed. courses; FBI/BCI checks; 5100:200 (pre- or co-req.)
	14	

Spring Semester

___ ___ ___ 2650:295 Field Experience for Education Paraprofessionals	2	Permission of Program Coordinator
___ ___ ___ 5500:245 Understanding Language Literacy & Phonics (Note b.)	3	3300:112; 5100:200/220 (coreq.)
___ ___ ___ 5610:450 Special Educ. Programming in Early Childhood (Note b.)	3	5610:225 or Permission
___ ___ ___ 5610:459 Coll./Consultation in Schools & Communities (Note b.)	3	5610:225 or Permission
___ ___ ___ Technical Studies electives (Note c.)	<u>4</u>	Consultation with Program Coordinator
	15	

TOTAL CREDITS - 60**C = Completed E = Exempt R = Required**

NOTES:

- a. Eight credits of natural science are required for the Paraprofessional Education – Early Childhood program. 3100:103 Natural Science: Biology lecture/lab (4 crs.) or a higher level human biology course is required. See the General Education requirements at <http://www.uakron.edu/colleges/univcoll/guides/>, or consult the program coordinator or an academic adviser for acceptable alternatives for the remaining four credits of this requirement.
- b. 5100:200/220 are foundation courses in education. They can be taken simultaneously with 5500:230, 5500:245, & 5610:225. These must be taken before all remaining professional education courses.
- c. Two Technical Studies elective courses are required. These electives may be special topics courses designed for the associate degree or from diversity studies. Based upon student's interests and programming, please consult with the Paraprofessional Education Program Coordinator to determine which Technical Studies elective(s) to pursue.

PARAPROFESSIONAL EDUCATION

Dr. Shawn Watters - Coordinator

C-216

(330) 684-8788

sw94@uakron.edu

Paraprofessionals are education assistants who have special training to work in public and private schools. They provide instructional support to individuals and small groups of students, assist teachers with modifications and accommodations for students, assist with the implementation of behavior plans, and monitor students within a variety of educational settings. In addition, they are critical members of an educational team who collect data on students for progress monitoring and collaborate with teachers to ensure educational services are consistent across settings and personnel.

The Associate of Applied Science degree in Paraprofessional Education candidates will study how children develop and learn, how to support students with diverse learning needs within their school settings, the historical foundation of education, and how to effectively collaborate with teachers and other related services personnel. Field observations, service learning projects, and a field experience similar to student teaching offer students meaningful opportunities to integrate and apply classroom lessons.

The associate degree provides immediate employability, making it possible to work in a school setting while pursuing additional educational options. The curriculum enhances employability by integrating classroom learning with meaningful practicum experiences. The program serves as a pathway to the Bachelor's degree program for students interested in obtaining licensure as an Early Childhood educator.

Admission Requirements:

Admission to the Associate of Applied Science degree in Paraprofessional Education is available to students who have been admitted to The University of Akron Wayne College.

Wayne College admission requirements include:

1. High School or GED diploma;
2. All students (provisional and standard) pursuing an associate degree will be directly admitted to Wayne College.

Admission requirements for the Paraprofessional Education associate degree include:

1. 3300:111 English Composition I (3);
2. 7600:105 Introduction to Public Speaking (3), or 7600:106 Effective Oral Communication (3);
3. A Natural Science course (3);
4. A Social Science course (3);
5. Current BCI and FBI checks;
6. Apply to the Paraprofessional Education program via online application and recommendation form.

Upon successful completion of the AAS degree and a GPA of 2.5 or better with a grade of C or better in required education (5000) courses, the student is eligible to apply for admission to the College of Education through the Intercollege Transfer (ICT) process. Students must make an appointment with an adviser through the Student Services Office at Wayne College to initiate an Intercollege Transfer.

267000
EXERCISE SCIENCE TECHNOLOGY
 (Requirements effective Spring Semester 2015)

C E R FIRST YEARFall Semester

<u>C</u> <u>E</u> <u>R</u>		<u>Credit Hours</u>	<u>Prerequisites</u>
— — —	3100:200 Human Anatomy and Physiology I	3	
— — —	3100:201 Human Anatomy and Physiology Laboratory I	1	
— — —	3300:111 English Composition I (Min. grade of "C" required)	3	Appropriate Placement by Adviser
— — —	3750:100 Introduction to Psychology --OR--		
— — —	3850:100 Introduction to Sociology	3	
— — —	5550:100 Introduction to Sport Studies	3	
— — —	5550:211 First Aid & CPR --OR--		
— — —	5550:212 First Aid & CPR Professional Rescuer	<u>2</u>	
		15	

Spring Semester

— — —	3100:202 Human Anatomy & Physiology II	3	3100:200
— — —	3100:203 Human Anatomy & Physiology Laboratory II	1	
— — —	5550:150 Concepts of Health & Fitness	3	
— — —	5570:202 Stress Management	3	
— — —	7600:105 Introduction to Public Speaking --OR--		
— — —	7600:106 Effective Oral Communications	<u>3</u>	
		13	

Summer Semester

— — —	5550:302 Physiology of Exercise and Laboratory (offered on Akron Campus only)	3	3100:200/201, 3100:202/203 (Min. grade of "C" required)
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SECOND YEARFall Semester

— — —	3600:101 Introduction to Philosophy --OR--		
— — —	3600:120 Introduction to Ethics --OR--		
— — —	3600:170 Introduction to Logic	3	
— — —	5550:201 Kinesiology	3	3100:200/201 or 3100:202/203
— — —	5550:220 Health Promotion and Behavior Change	3	5550:150
— — —	5550:330 Exercise and Weight Control	3	5550:302
— — —	7760:133 Nutrition Fundamentals	<u>3</u>	
		15	

Spring Semester

— — —	2540:143 Microsoft Word: Beginning	2	
— — —	2670:250 Exercise Science Technology Internship	3	32 credits, including 5550:201, 220, 330 and permission
— — —	5550:352 Strength and Conditioning	3	3100:200/201, 3100:202/203
— — —	5550:355 Exercise of Special Populations	3	5550:302
— — —	Mathematics Requirement	<u>3</u>	Appropriate Placement by Adviser
		14	

TOTAL CREDITS - 60 C = Completed E = Exempt R = Required

EXERCISE SCIENCE TECHNOLOGY

Dr. John Roncone - Coordinator

D-206

(330) 684-8771

roncone@uakron.edu

Exercise science is the study of how physical activity and the mental aspects of the human body work together to increase the body physically. This is most often seen in athletes. The exercise science technology field focuses on the knowledge and skills necessary to increase the health and wellness of individuals, working in commercial, community, corporate, and clinical settings. Professionals in exercise science technology include fitness workers, such as trainers and wellness coaches.

The Associate of Applied Science degree in Exercise Science Technology (EST) is designed to develop skills to prepare graduates for paraprofessional positions in fitness and wellness settings. Graduates are trained to instruct and coach both groups and individuals in various exercises and activities. They assist clients to assess their physical fitness level and encourage and help them to set and reach their fitness goals. Graduates are prepared to enter careers as fitness trainers, wellness coaches, or other health and fitness paraprofessional positions, or to continue on to a bachelor's degree in areas including exercise science, sports science, or pre-physical therapy.

According to the Bureau of Labor Statistics, Occupational Outlook Handbook, fitness professionals, such as fitness trainers and instructors, lead and motivate individuals, or groups, of all ages and skill levels, in physical activities, including cardiorespiratory exercises, muscle fitness, and muscular flexibility.

As public health concerns, such as childhood obesity, wellness for aging baby boomers, and health maintenance of older adults gain prominence, and as businesses strive to manage health care costs and maximize productivity through employee health and fitness programs, careers in this field are expected to increase the need for fitness paraprofessionals. According to the Bureau of Labor Statistics, Occupational Outlook Handbook, jobs in fitness, including those for which this degree will prepare students, is projected to grow 8% in the U.S., from 2014-2024, about as fast as the average for all occupations. Annual mean wage of fitness trainers and instructors, Ohio, May 2015, was \$24,130-32,110 (Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2016-2017)

Certification Preparation

Graduates of this program would be prepared to sit for personal training certificates offered by the American Council on Exercise, the National Strength and Conditioning Association, the American College of Sports Medicine, and the National Council on Strength and Fitness.

NOTE:

This curriculum guide is a recommended plan of study. Students with questions about degree requirements should contact an academic adviser.

If you are pursuing an associate degree and have completed twelve or more semester credits, we suggest that you schedule an appointment with an academic adviser to transfer into CAST and to produce a student degree agreement (contract). The degree agreement is a formal statement of the courses that you must complete to satisfy your degree requirements.

This associate degree articulates with the following baccalaureate degrees in the Department of Sport Science and Wellness Education: 555230BS/Physiological Sciences; 555231BS/Sport Coaching/Strength and Conditioning; 555232/Pre-Physical Therapy; 555233/Fitness Management; and Sport Studies: 555235BS/Coaching Education; and 555236BS/Sport Management

The following credit hour requirements apply to this degree: 60 minimum total credits; 16 credits in residence; the final 16 credits must be taken from the University of Akron.

Reference:

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, 2016-2017 Edition, Fitness Training and Instructors, <http://bls.gov/ooh/personal-care-and-Service/fitness-trainers-and-instructors.htm>.

MEDICAL ASSISTING/274000AAS

11/11/17

The following information has official approval of the Allied Health Department, College of Health Professions, but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education/>

1 st Year	Fall Semester	Credit Hours	Prerequisites
2440:105	Introduction to Computers	3	
2020:121	English	3	Appropriate placement by Advisor
2740:120	Medical Terminology	3	
2030:130	Mathematics for Allied Health	3	Appropriate placement by Advisor
2780:106	Anatomy and Physiology I	3	
Total		15	
1 st Year	Spring Semester	Credit Hours	Prerequisites
2740:230	Basic Pharmacology	3	
2780:107	Anatomy and Physiology II	3	2780:106; Fall and Spring (Summer one section only)
2420:263	Professional Communications & Presentations -OR-	3	2020:121 or 3300:111 for all options
7600:105	Introduction to Public Speaking –OR-		
7600:106	Effective Oral Communication		
2040:244	<i>Social Science Requirement</i>	3	Suggested Death and Dying for the Healthcare Professional or Human Relations
2040:256	<i>Area Studies/Cultural Diversity Requirement</i>	2	Suggested Diversity In American Society
2740:122	Emergency Responder	1	
Total		15	
	Application to the Medical Assisting Program		
2 nd Year	Fall Semester	Credit Hours	Prerequisites
2740:135	Clinical Medical Assisting I	4	2780:106, 2780:107, 2740:120
2740:126	Administrative Assisting I	3	
2740:128	Basic Procedural Coding	3	
2740:129	Basic Diagnostic Coding	3	
Total		13	
2 nd Year	Spring Semester	Credit Hours	Prerequisites
2740:235	Clinical Medical Assisting II	4	2740:135
2740:127	Administrative Assisting II	3	2740:126
2740:228	Medical Insurance	3	2740:120, 128, 129
2740:121	Study of Disease Processes	3	2740:120
Total		13	

2 nd Year	Summer Semester	Credit Hours	Prerequisites
2740:246	Medical Assisting Practicum	4	See Program Director
Total		4	

	Total Credits for Degree	60	
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Notes:

A 70% average is needed in all required courses to be admitted to the program.

You must have a minimum cumulative GPA of 2.0 to graduate with this degree.

In addition to permission from the Program Director, the student must have completed all 2740 & 2780 course work listed in the first three semesters above and have at least a 2.0 GPA in the 2740 courses and a 2.0 overall.

Medical Assisting Technology at The University of Akron is accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Medical Assisting Education Review Board (MAERB).

Commission on Accreditation of Allied Health Education Programs (CAAHEP)

1361 Park Street

Clearwater, FL 33756

727-210-2350

<http://www.caahep.org>

Contact Information:

School of Allied Health Technology, Dr. Kristine Kraft: email knk@uakron.edu or 330.972.6515, Polsky 262H.

Radiologic Technology - 276000AAS

The following information has official approval of the Allied Health Department, College of Health Professions, but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. The transfer process is completed through an appointment with your academic advisor. Unless a course is specified, refer to the General Education guide at

<http://www.uakron.edu/general-education/>

1 st Year	Fall Semester	Credit Hours	Prerequisites
	*GE English Requirement	3	Appropriate placement by Advisor
2740:120	*Medical Terminology	3	
	* GE Mathematics Requirement	3-4	Appropriate placement by Advisor
2780:106	*Anatomy and Physiology I	3	
Total		13-4	

Admissions to the Radiologic Technology Program- A student must apply for the Radiologic Technology program **no later than February 1**. Preadmission courses * must be completed or in progress in order to apply. Applications are available at <http://www.uakron.edu/allied-health/radiologic-tech/radiography>

1st Year	Spring Semester	Credit Hours	Prerequisites
2780:107	*Anatomy and Physiology II	3	2780:106
2420:263 7600:105 7600:106	*Professional Communications & Presentations -OR- Introduction to Public Speaking –OR- Effective Oral Communication	3	
	*GE Social Science Requirement	3	
	* GE Humanities Requirement	3	
Total		12	

1st Year	Summer Semester	Credit Hours	Prerequisites
2760:141	Anatomy and Positioning I	3	2780:106, 2780:107, program admission
2760:181	Clinical I	3	2780:106, 2780:107, program admission
2760:281	Radiobiology	2	2760:161
Total		8	

2nd Year	Fall Semester	Credit Hours	Prerequisites
2760:142	Anatomy and Positioning II	3	2760:141
2760:151	Methods of Patient Care I	2	Program admission
2760:161	Radiologic Physics and Principles I	3	2780:106, 2780:107, Program admission
2760:182	Clinical II	3	2760:181
Total		11	

2nd Year	Spring Semester	Credit Hours	Prerequisites
2760:291	Pathophysiology	2	2760:142
2760:152	Methods of Patient Care II	2	2760:151
2760:162	Radiologic Physics and Principles II	3	2760:161
2760:271	Special Imaging I	3	2760:142
2760:281	Clinical III	3	2760:182
Total		13	

2 nd Year	Summer Semester	Credit Hours	Prerequisites
2760:252	Imaging Obstacles and Solutions	1	2760:142
2760:272	Special Imaging II	3	2760:271
2760:282	Clinical IV	3	2760:281
2760:292	Cross Sectional Anatomy	2	2760:271, 2780:142
Total		9	

	Total Credits for Degree	66	
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The Radiologic Technology Program is nationally accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

Admission to the Radiography program is a competitive process with preference given to the most qualified applicants. Contact Information: School of Allied Health, Radiography School: David Whipple: email: dwhipl@uakron.edu or (330) 972-6644, Polsky Building #265.

Radiology School informational meetings are held most Fridays at 3:00 PM in the Polsky Building #271 when classes are in session. Call (330) 972-5270 (Radiography School) or the Allied Health office (330) 972-6655 to verify meeting for the week.

Ogg

SURGICAL TECHNOLOGY 277000AAS

Associate Degree

The following information is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education/>

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Appropriate placement by Advisor
2030:130	<i>Mathematics for Allied Health</i>	3	Appropriate placement by Advisor
2740:120	Medical Terminology	3	
2820:105	<i>Basic Chemistry (Lecture and Lab) (Natural Science Requirement)</i>	3	2010:052 or 057 or 054 with a grade of C or better or placement test
2780:106	<i>Anatomy and Physiology for Allied Health I (Natural Science Requirement)</i>	3	
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3100:130	<i>Principles of Microbiology (Natural Science Requirement)</i>	3	
2780:107	Anatomy and Physiology for Allied Health II	3	2780:106
2740:121	Study of Disease Processes	3	2740:120
2740:230	Basic Pharmacology	3	
Total		12	

1 st Year	Summer Semester	Credit Hours	Prerequisites
7600:106	<i>Effective Oral Communication (Speech/ Oral Communication Requirement)</i>	3	
2040:240	<i>Human Relations (Social Science Requirement)</i>	3	
2040:242	<i>American Urban Society (Social Science Requirement)</i>	3	
Total		9	

Following coursework may only be taken if accepted into the program. The following courses are only offered during the designated semester below. See information below.

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2770:100	Introduction to Surgical Technology	4	
2770:221	Surgical Technology Procedures I	4	2770:100 corequisite
2770:231	Clinical Applications I	2	2770:100, 2770:221 corequisites
2770:248	Surgical Anatomy I	3	
Total		13	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2770:222	Surgical Technology Procedures II	4	2770:221
2770:232	Clinical Applications II	5	2770:100, 2770:231
2770:249	Surgical Anatomy II	3	2770:248
Total		12	

2 nd Year	Summer Semester	Credit Hours	Prerequisites
2770:233	Clinical Applications III	5	2770:100, 2770:222, 2770:232
Total		5	

POLICY ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of 2.0 to graduate with this degree.

Surgical Technologists are allied health professionals who are an integral part of the surgical team. They work closely with surgeons, anesthesiologists, registered nurse anesthetists, registered nurses and other surgical personnel providing patient care to the surgical patient. Members of the surgical team are responsible for the three phases of surgical patient care. The surgical technologists' primary role is to handle the instruments, supplies, and equipment necessary during the surgical procedure. They have the knowledge and understanding of the procedure being performed and anticipate the needs of the surgeon. According to The Association of Surgical Technology the employment rate of Surgical Technologist's is expected to grow faster than average (an increase of 21% - 35%) through the year 2012. The aging population (baby-boom generation) will increase the number of surgical procedures performed each year.

Surgical Technology at The University of Akron is accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Surgical Technology Education Review Board of the American Association of Medical Assistants Endowment (CRB-AAMAE). CAAHEP, 1361 Park Street, Clearwater, FL 33756, 727-210-2350, <http://www.caahep.org/>.

Students receive 972 total program clinical hours at area hospitals in Summit, Stark, Portage and Cleveland hospitals including the Cleveland Clinic and University Hospital.

ADMISSION INTO THE PROGRAM IS ON A RESTRICTED BASIS

Course registration is limited to students accepted into the Surgical Technology program only. For further information, contact: Sherry L. Gamble at 330-972-6514; slg@uakron.edu

Healthcare Simulation Technology 278003AAS

11/11/16

The following information has official approval of the Allied Health Department, College of Health Professions, but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/advising/docs/GEN-EDUC.pdf>.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2740:120	Medical Terminology	3	
2780:106	Anatomy & Physiology for Allied Health I	3	Co-requisite 2740:120
	<i>General Education: Mathematics (3-4)</i>		
2030:161	Mathematics for Modern Technology	4	Placement by advisor Placement by advisor
	OR		
2030:152	Technical Mathematics II and	2	
2030:153	Technical Mathematics III	2	
	OR		
2030:130	Mathematics for Allied Health	3	
	OR		
3470:250	Stats for everyday Life		
	<i>General Education: Cultural Diversity (Min. 2)</i>		
2040:254	The Black Experience from 1619-1877 –OR-	2	2020:121
2040:257	The Black Experience from 1877-1954 –OR-	2	
2040:258	The Black Experience from 1954-Present –OR-	2	
2040:256	Diversity in American Society –OR-	2	
3001:200	Introduction to Women Studies –OR-	3	
3230:251	Human Diversity –OR-	3	
7600:325	Intercultural Communications –OR-	3	
2780:102	Overview of Simulation in Healthcare	4	
Total		15-16	
1 st Year	Spring Semester	Credit Hours	Prerequisites
2780:107	Anatomy & Physiology for Allied Health II	3	2780:106
2740:121	Study of Disease Processes	3	
2440:105	Intro. To Computers & Application Software	3	
2020:121	English	4	
	<i>General Education: Social Sciences (3)</i>		
2040:240	Human Relations	3	
2040:244	Death & Dying –OR-	2	
2040:243	Contemporary Global Issues –OR-	3	
2040:241	Technology & Human Value –OR-	2	
2040:247	Survey of Basic Economics –OR-	3	
3850:100	Introduction to Sociology	4	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2020:222	Technical Report Writing	3	
2440:247	Hardware Support	3	
2420:211	Basic Accounting I	3	
	<i>General Education: Social Sciences (3-4)</i>		
2040:240	Human Relations	3	
2040:244	Death & Dying –OR-	2	
2040:243	Contemporary Global Issues –OR-	3	
2040:247	Technology & Human Value –OR-	2	
2040:247	Survey of Basic Economics –OR-	3	
3850:100	Introduction to Sociology	4	
Total		12-13	
2 nd Year	Spring Semester	Credit Hours	Prerequisites
2420:103	Essentials of Management Technology	3	
2440:121	Introduction of Logic/Programming	3	
2780:201	Simulation Technology Basic Repair	4	2740:121
	<i>General Education: Speech (3)</i>		
2420:263	Professional Communications & Presentations -OR-	3	
7600:105	Introduction to Public Speaking –OR-	3	
7600:106	Effective Oral Communication	3	
Total	Elective 4-6	13	
	Total Credits for Degree	64	

Contact Information: Allied Health, Kris Kraft: email knk@uakron.edu or 330.972.6516, Polsky 265.

TRANSFER TO THE COLLEGE OF HEALTH PROFESSIONS: A student should apply for transfer to a degree-granting college upon completion of 12 UA or transfer credits and an overall GPA of at least a 2.3, along with the completion of one pre-requisite science. Students can arrange inter-college transfers through an appointment with his/her academic advisor; advisor contact information is listed in “My Akron.”

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RESPIRATORY THERAPY 279002BS

Bachelor of Science Degree

The following information has official approval of the School of Allied Health but is intended only as a supplemental guide.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education/>

1 st Year	Fall Semester	Credit Hours	Prerequisites
3300:111	* <i>English Composition I</i>	3	Placement Test
	*3450:145 <i>College Algebra</i> or 2030:152 & 153 <i>Tech Math II&III (Quantitative Reasoning)</i> (Note a)	4	Placement Test
3850:100	* <i>Intro to Sociology</i> (meets Social Science & Domestic Diversity requirement)	3	
3150:110	* <i>Intro to General, Organic & Biochemistry Lecture (Natural Science requirement)</i> (Note a)	3	
3150:111	* <i>Intro to General, Organic & Biochemistry Lab (Natural Science requirement)</i> (Note a)	1	
Total		14	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3300:112	* <i>English Composition II</i>	3	
3750:100	* <i>Intro to Psychology (Social Science requirement)</i>	3	
2740:120	* <i>Medical Terminology</i> (Note a)	3	
7600:105	* <i>Intro to Public Speaking</i> -OR-	3	
7600:106	* <i>Effective Oral Communications</i>		
2790:100	* <i>Concepts in Respiratory Therapy (offered each semester)</i> (Note a)	3	3450:145 or 2030:153
Total		15	

*** Pre-admission coursework, students must apply by November 30th (see Application Deadline/Requirements)**

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2780:106	* <i>Anatomy & Physiology for Allied Health I</i> (Note a) -OR-	3	
3100:200	* <i>Human Anatomy & Physiology I Lecture</i> AND	3	
3100:201	* <i>Human Anatomy & Physiology I Lab (Natural Science requirement)</i> (Note a)	1	
3100:130	* <i>Principles of Microbiology/Lab</i> (Note a)	3	
3600:120	<i>Intro to Ethics (Meets Humanities and Critical Thinking requirements)</i>	3	
	<i>Arts requirement</i>	3	See General Education Guide
Total		12-13	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2780:107	<i>Anatomy & Physiology for Allied Health II</i> (Note a) -OR-	3	2780:106
3100:202	<i>Human Anatomy & Physiology II</i> AND	3	3100:200
3100:203	<i>Human Anatomy & Physiology II Lab</i> (Note a)	1	3100:202 corequisite
2790:210	<i>Respiratory Therapy Procedures I/Lab</i>	3	2790:100, 2740:120, 2780:106 or 3100:200,201
2790:215	<i>Respiratory Therapy Pharmacology</i>	3	2790:100, 3150:110, 111
	<i>Additional Arts or Humanities requirement</i>	3	See General Education Guide
Total		12-13	

2 nd Year	Summer Semester	Credit Hours	Prerequisites
2790:301	<i>Cardiopulmonary Assessment Techniques/Lab</i>	2	2790:210
Total		2	

3 rd Year		Fall Semester	
2790:302	Cardiopulmonary Anatomy & Physiology	3	2790:210, 2780:107 or 3100:202 and 3100:203
2790:340	Application of Clinical Concepts	2	2790:210 prerequisite, 2790:301 corequisite
2790:311	Respiratory Therapy Procedures II/Lab	3	2790:210, 2780:107 or 3100:202 and 3100:203
2790:312	Diagnostics I	3	2790:210 prerequisite, 2790:301, 2790:302, 2790:311 corequisites
3600:361	<i>Biomedical Ethics</i> (meets <i>Complex Systems Affecting Individual in Society</i> requirement)	3	
Total		14	

3 rd Year		Spring Semester	
2790:303	Cardiopulmonary Pathology	4	2790:301, 2790:302
2790:320	Neonatal/pediatrics for Respiratory Therapy I	3	2790:301
2790:341	RT Clinical Experience I	3	2790:340, 2790:311, 2790:220
2790:313	Diagnostics II	3	2790:311, 2790:312 prerequisites, 2790:303 corequisite
2790:315	Advanced Pharmacology for Respiratory Therapy	3	2790:215
Total		16	

3 rd Year		Summer Semester	
2790:325	Mechanical Ventilation (lab)	4	2790:303, 2790:320, 2790:312, 2790:341, 2790:315
2790:342	RT Clinical Experience II	2	3790:341, 3790:313, 3790:320
Total		6	

4 th Year		Fall Semester	
2790:420	Neonatal/Pediatrics for Respiratory Therapy II	3	2790:320
2790:443	RT Clinical Experience III	4	2790:342
2790:421	ACLS & PALS	3	2790:303, 315, 320, 340 or permission
2420:300	Supervision in a Technical Environment	3	
	<i>Domestic Diversity</i> requirement	3	See General Education Guide
Total		16	

4 th Year		Spring Semester	
2790:444	RT Clinical Experience IV	4	2790:342
2790:430	Problems in Respiratory Therapy	4	3790:313, 3790:420, 3790:443
2790:413	Respiratory Therapy in Alternate Settings (lab)	3	2790:412
	<i>Global Diversity</i> requirement	3	See General Education Guide
Total		14	

	Minimum Credits for Degree	121	
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POLICY ALERT: By the end of your first 48 credit hours attempted, you should have completed your **REQUIRED** General Education English, Math, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of 2.0 to graduate with this degree.

NOTES:

- a. All courses must be completed with a C or better and may only be repeated one time.

PROGRAM CONTACT INFORMATION: Stacia Biddle, R.R.T, Associate Professor and Program Director of Respiratory Therapy, stacia@uakron.edu, 330-972-7906.

RESPIRATORY THERAPISTS: assess, treat and care for patients with breathing disorders. Primary responsibilities include initiation of and monitoring of therapeutic procedures, maintaining patient records, selecting, assembling, operating and maintaining respiratory and life-support equipment.

Respiratory Therapists may be employed by hospitals, clinics, long-term acute care facilities, physician offices, pulmonary rehabilitation centers, home-care agencies, sleep-labs, durable medical equipment sales companies, as well as participate in intra-facility transport at some hospitals. According to the United States Bureau of Labor Statistic 2010, Respiratory Therapists earn a median hourly wage of \$26.86 with the bottom 10% at \$39,990 and the top 10% earning greater than \$73,410. (Mean annual wage of \$52,700 in Ohio).

The job outlook for a Respiratory Therapist is good with faster than average growth projected. The increased demand will come from the therapist's expanding role and increase in number of older persons. Related occupations include: Athletic Trainers, Occupational Therapists, Physical Therapists, Radiation Therapists, and Registered Nurses.

ACCREDITATION: The Bachelor of Science in Respiratory Therapy program at The University of Akron is accredited by the Commission on Accreditation for Respiratory Care (CoARC).

APPLICATION DEADLINE: Application deadline is November 30th for those students who will complete all of the pre-admission courses* by the end of fall semester with a minimum 2.3 GPA or higher.

Application to the program is competitive but varies each year by applicant pool. Acceptance is based on overall grade point average as well as grades earned in required math and science courses. Application to the program requires a criminal background check (FBI and BCI). Twenty (20) students are selected each year. Applications will be administered to students while they are enrolled in 2790:100 Concepts in Respiratory Therapy, or may be picked up in the School of Allied Health, Polsky 265 at any time.

Corrosion Engineering Technology

Associate of Applied Science Degree (285000AAS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 English (3)	Placement by Advisor
2030:153 Technical Mathematics III (2)	2030:152 or equivalent with a grade of C- or better or placement by Advisor
2040:240 Human Relations (3)	
2820:111 Introductory Chemistry (3) (Note a)	Corequisite: 2030:152
2420:263 Professional Communication and Presentations (3)	Prerequisite or corequisite: 2020:121 or 3300:111
2850:120 Corrosion Engineering Technology Fundamentals 1 (3)	Corequisite: 2820:111
Total Credits = 17	

Year 1 Spring	Prerequisite
2030:154 Technical Mathematics IV (3)	2030:153 or equivalent with grade of C- or placement by Advisor
2020:222 Technical Report Writing (3)	2020:121 or 3300:111 or equivalent
2820:112 Introductory and Analytical Chemistry (3) (Note b)	2820:111 or permission
2820:160 Technical Physics—Mechanics with Lab (4)	Corequisite: 2030:154
2850:121 Corrosion Engineering Technology Fundamentals 2 (4)	2850:120
Total Credits = 17	

Year 2 Fall	Prerequisite
2990:125 Statics (3)	2030:154 and 2820:160
2820:163 Technical Physics: Electricity and Magnetism (2) (Sch. Lab)	2820:160 and 2030:154 (C- or better in both)
2920:142 Introduction to Material Technology (3) (Note b)	
2040:244 Death and Dying (3) -OR- 2040:254 Black Experience 1619-1877 (2) -OR- 2040:256 Diversity in American Society (3)	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent
2850:220 Strategies for Corrosion Prevention (4)	2850:121
Total Credits = 14-15	

Year 2 Spring	Prerequisite
2990:225 Strength of Materials (3)	2990:125
2880:241 Introduction to Quality Assurance (3)	2880:100 and 2030:152
2040:247 Survey of Basic Economics (3)	
2850:221 Corrosion Engineering Technology Projects (4)	2850:121
Total Credits = 13	

Total Credits for Degree = 61 minimum
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Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- Traditionally Fall semester only (see Program Contact)
- Traditionally Spring semester only (see Program Contact)

Program Contact

Program Director, Dr. Jennifer Lillard, Schrank Hall South 117B, 330-972-6787 or jlillard@uakron.edu

Program Description

The A.A.S. in Corrosion Engineering Technology program includes classroom and laboratory experiences which prepare students for careers in the corrosion industry and other allied industries.

Career Information

A person with an associate degree in Corrosion Engineering Technology can find employment in any industry that is impacted by material degradation. Examples include the oil and gas, chemical processing, and construction industries.

The program prepares the student to evaluate corrosion of materials in the field and apply strategies for mitigating corrosion. In completing the AAS degree in Corrosion Engineering Technology, the students will also be prepared to pass certification tests in Basic Corrosion and Cathodic Protection offered by NACE.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Electronic Engineering Technology

Associate of Applied Science Degree (286001AAS)

Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English</i> (3)	Placement by Advisor
2030:153 <i>Technical Mathematics III</i> (2)	2030:152 with grade of C- or better or placement by Advisor
2420:263 <i>Professional Communications and Presentations</i> (3)	Prerequisite or corequisite: 2020:121 or 3300:111
2860:120 Circuit Fundamentals (4) (Sch. Lab) (Note a)	2030:152, 2030:153, 2860:121 co-requisites
2860:121 Introduction to Electronics and Computers (2) (Sch. Lab) (Note a)	2030:151 prerequisite, 2860:120 co-requisites
Total Credits = 14	

Year 1 Spring	Prerequisite
2030:154 <i>Technical Mathematics IV</i> (3)	2030:153 with grade of C- or better or placement by Advisor
2820:160 <i>Technical Physics: Mechanics</i> (4) (Sch. Lab)	2030:154 co-requisite
2860:122 AC Circuits (3) (Sch. Lab) (Note b)	2860:120 prerequisite, 2030:154 co-requisite
2860:123 <i>Electronic Devices</i> (4) (Sch. Lab) (Note b)	2860:120 prerequisite
Total Credits = 14	

Year 2 Fall	Prerequisite
2030:255 <i>Technical Calculus I</i> (3)	2030:154 with grade of C- or better or appropriate placement by Advisor
2040:240 <i>Human Relations</i> (3)	
2860:225 <i>Applications of Electronic Devices</i> (4) (Sch. Lab) (Note a)	2860:123, 2030:154
2860:237 <i>Digital Circuits</i> (4) (Sch. Lab) (Note a)	2860:123
2860:242 <i>Machinery and Controls</i> (3) (Sch. Lab) (Note a)	2860:120 & 2860:121 or 2860:370 (previously 270)
Total Credits = 17	

Year 2 Spring	Prerequisite
2040:243 <i>Contemporary Global Issues</i> (3)	
2820:164 <i>Technical Physics: Heat & Light</i> (2) (Sch. Lab)	2820:160
2860:238 <i>Microprocessor Applications</i> (4) (Sch. Lab) (Note b) -OR- 2860:251 <i>Electronic Communications</i> (4) (Sch. Lab) (Note b)	2860:237
2860:260 <i>Electronic Project</i> (2) (Sch. Lab) (Note b)	Final semester and 2940:210 or permission
2040:244 <i>Death and Dying</i> (3) -OR- 2040:254 <i>Black Experience 1619-1877</i> (2) -OR- 2040:256 <i>Diversity in American Society</i> (3) -OR- 2040:257 <i>Black Experience 1877-1954</i> (2) -OR- 2040:258 <i>Black Experience 1954-Present</i> (2)	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent 2020:121 or 3300:112 2020:121 or 3300:112
Technical Elective (3) (Note c)	See Advisor
Total Credits = 16-17	

Total Credits for Degree = 61 minimum

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- Traditionally Fall course offering only (See Program Contact)
- Traditionally Spring course offering only (See Program Contact)
- Technical Electives:** Availability dependent on enrollment demands and classroom availability. Technical Electives are defined as courses outside of the Electronic Engineering Technology Program that supports a student's career interest. The following list shows approved technical electives. Some courses listed may involve prerequisites. Any course taken that is not on the following list must be approved by the Program Director in writing in order to be considered a technical elective.

Choose a minimum of three (3) credit hours from the courses listed below:

2870:332 <i>Management of Technology Based Operations</i> 3 (3)	
2880:110 <i>Manufacturing Processes</i> (3)	Prerequisite: 2880:100 or permission
2920:101 <i>Introduction to Mechanical Design</i> (3)	Prerequisite: 2880:100 or permission
2920:121 <i>Technical Drawing I</i> (3)	
2920:310 <i>Economics of Technology</i> (3)	Prerequisite: 64 credits or permission
2880:140 <i>Computer Aided Drawing</i> (3)	
2880:230 <i>3-D Modeling and Design</i> (3)	2940:210
2980:101 <i>Basic Surveying</i> (3)	Corequisite: 2030:152
2985:101 <i>Introduction to Geographic and Land Information Systems</i> (3)	
2990:125 <i>Statics</i> (3)	Prerequisites: 2820:162; 2030:153
2990:150 <i>Plan Reading</i> (3)	Prerequisite: 2990:131
2860:290 <i>Special Topics: Electronic Engineering Technology</i> (1-4)	

Program Contact

Program Director Greg Harstine, Schrank Hall South 221E, 330-972-6234 or gph@uakron.edu

Program Information

The rapid increase in the application of science and engineering to the needs of our economy has greatly intensified the demand not only for engineers and scientists, but also for the technicians who assist them. Engineering technicians make up one of the fastest growing occupational groups in the United States and are employed in virtually every activity where technical know-how is required. Their work requires the application of scientific and mathematical theory as well as specialized knowledge and skills in some aspect of technology. The engineering technician may become involved with electronic and mechanical instruments, experimental apparatus, computing devices, tool design, manufacturing and drafting. As part of the engineering team, the technician contributes to the technological progress and high level of productivity which characterizes our industry today.

The Electronic Engineering Technology curriculum is one of a number of associate degree programs offered through the COLLEGE OF APPLIED SCIENCE & TECHNOLOGY at The University of Akron. The program requires two years of full-time study and leads to the Associate of Applied Science Degree in Electronic Engineering Technology. The program may also be undertaken on a part-time evening basis generally requiring more than two years for completion. Both day and evening programs meet the standards of the Engineering Technology Accreditation Commission of ABET, Inc. (ETAC/ABET) and are accredited by that organization.

The program is designed to prepare the individual to become a competent electronic technician capable of working and communicating with engineers, scientists, and production personnel. The first year provides a firm foundation in mathematics, electricity, and basic electronics. The second year builds directly on this background with applied electronic courses in such areas as computers, communications, controls, and instrumentation. Although the curriculum prepares the student for immediate technical employment, a portion is devoted to non-technical subjects in order to assist the individual in developing as a citizen and responsible human being.

Career Information

The demand by industry for electronic technicians is now and will continue to be great. It is estimated that thousands of new electronic technicians will be required each year. Electronic technicians find employment in many areas of the electronics field; some of the specific career opportunities include:

- Computer Technician - installation, implementation, maintenance of data processing hardware and systems.
- Engineering Aide - assists engineers in the design, development, and testing of new electronic equipment.
- Customer-Service Technician - installs, operates, and maintains electronic equipment located at the customer's installation. Also provides training for the customer's personnel.

- Communications Technician - installs and operates various types of commercial and govt. communications equipment.
- Plant Technician - works in electronic manufacturing operations in designing and setting up quality control and other tests for manufactured products. Also may supervise and train electronic production workers

For additional information, visit the Bureau of Labor Statistics at www.bls.gov or the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

Bachelor Degree Programs

Upon completion of the Electronic Engineering Technology Associate of Applied Science Degree, a student may proceed to the Electronic Engineering Technology Bachelor of Science Degree. Please refer to the Electronic Engineering Technology Bachelor of Science degree Curriculum Guide for further information.

An additional degree option is to proceed to the Bachelor of Organizational Supervision degree.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Electronic Engineering Technology

Bachelor of Science Degree (286103BS)

Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>

Course work from an accredited institution in Electronic Engineering Technology or in a related program, with bridgework, is a requirement to pursue the Electronic Engineering Technology Bachelor of Science Degree. An Associate of Applied Science in Electronic Engineering Technology is required prior to completing the baccalaureate. Please refer to the Electronic Engineering Technology, Associate of Applied Science Curriculum Guide for further information.

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 3 Fall	Prerequisite
2030:356 Technical Calculus II (3)	2030:255 or equivalent with C- or better or placement by Advisor
2020:222 <i>Technical Report Writing</i> (3)	2020:121 or 3300:111 or equivalent
Computer Programming Elective (2) (Note c)	
Electronic Engineering Technology Electives (6) (Note d)	
Total Credits = 14	

Year 3 Spring	Prerequisite
2030:345 Technical Data Analysis (2) (Note a)	2030:154 or equivalent with grade of C- or better or placement by Advisor
3400:210 <i>Humanities in the Western Tradition</i> (4)	32 credits and completion of 2020:222 or 3300:112 or 3300:114 or permission
2870:301 Computer Control of Automated Systems (3) (Sch. Lab) -OR- 2920:405 Introduction to Industrial Machine Control (3)	
2860:354 Advanced Circuit Applications (3)	2860:350, 2030:356
2860:352 Microcontrollers (4) (Sch. Lab) (Note b)	2860:238 prerequisite, 2860:350 corequisite
Total Credits = 16	

Year 4 Fall	Prerequisite
7100:210 <i>Visual Arts Awareness</i> (3) -OR- 7500:201 <i>Exploring Music, Bach to Rock</i> (3) -OR- Arts Requirement (3) (Note d)	3400:210 or 3400:221 3400:210 or 3400:221
Electronic Engineering Technology Electives (3) (Note e)	
2860:453 Control Systems (4) (Sch. Lab) (Note a)	2860:354, 2870:301
<i>Natural Science Requirement</i> (3) (Note d)	
<i>Complex Systems Tag Requirement</i> (3)	
Total Credits = 16	

Year 4 Spring	Prerequisite
3300:252 <i>Shakespeare and His World</i> (3) -OR- 3600:101 <i>Introduction to Philosophy</i> (3) -OR- Arts or Humanities Requirement (3) (Note e)	For 3300:252 only: 2020:121 and 2020:222 or their equivalents, and 3400:210 or 3400:221
Technical Electives (3) (Note f)	
Electronic Engineering Technology Electives (6) (Note e)	
2860:455 Senior Project (2) (Note b)	
Total Credits = 14	

Total Credits for Degree = 121 minimum
(3rd and 4th Year Credits = 60; Associate Degree Credits = 61 minimum)

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- Traditionally Fall only. (See Program Contact)
- Traditionally Spring only (See Program Contact)
- Computer Programming Electives

Choose one of the following Computer Programming Electives courses:

2820:310 Programming for Technologists (2)	2030:255; 2820:121
3460:126 Introduction to Visual Basic Programming (3)	
3460:209 Introduction to Computer Science (4)	3450:145 with C or better or equivalent
4450:208 Programming for Engineers (3)	4400:101 or permission

- Must be a course in the Ohio Transfer Module.
- Electronic Engineering Technology Electives

Please note that each of the following Electronic Engineering Technology Electives classes may be offered only once during the year, including the summer session. Consult with the Schedule of Classes Bulletin for exact scheduling of classes.

2860:238 Microprocessor Applications (4) (Sch. Lab)	
2860:251 Electronic Communications (4) (Sch. Lab)	
2860:290 Special Topics in Electronic Engineering Technology (1-4)	By permission only
2860:350 Advanced Circuit Theory (3) (Note a)	2860:251; 2030:356 corequisite
2860:400 Computer Simulations in Technology (3)	2860:354, 2030:345
2860:406 Communication Systems (3)	2860:251, 2860:354
2860:420 Biomedical Electronic Instrumentation (3)	2860:354
2860:360 Virtual Instrumentation and Data Acquisition (3)	2860:122 or 2860:370
2860:430 Senior Topics in Electronic Technology (3)	2860:350, 2860:400
2860:451 Industrial Electrical Systems (3)	2860:354
2860:490 Special Topics in Electronic Engineering Technology (1-4)	By permission only

- Technical Electives: Availability dependent on enrollment demands and classroom availability. Technical Electives are defined as courses outside of the Electronic Engineering Technology Program that support a student's career interest. The following list shows approved technical electives. Some courses listed may involve prerequisites. Any course taken that is not on the following list must be approved by the Program Director in writing in order to be considered a technical elective.

Choose a minimum of three (3) credit hours from the Technical Electives courses listed below:

2030:290 Special Topics: Associate Studies Mathematics (1-4)	
2030:361 Advanced Cryptography (3)	2030:154
2030:480 Advanced Topics in Technical Mathematics (2)	
2820:111 Introductory Chemistry (3) (Sch. Lab)	
2820:112 Introductory and Analytical Chemistry (3) (Sch. Lab)	Prerequisite: 2820:111 or permission.
2820:290 Special Topics: General Technology (1-2)	
2850:200 Advanced Corrosion Technology (3)	2850:100
2870:332 Management of Technology Based Operations (3)	
2870:348 CNC Programming I (3)	Prerequisites: 2940:121, 2030:154 or permission.
2870:448 CNC Programming II (3)	Prerequisite: 2870:348
2870:470 Simulation of Manufacturing Systems (3)	Prerequisite: 2880:211
2870:480 Automated Production (3)	Prerequisites: 2880:211 or senior status
2880:110 Manufacturing Processes (3)	
2880:201 Robotics and Automated Manufacturing (3)	Prerequisite: 100 or permission.
2880:211 Computerized Manufacturing Control (3)	Prerequisite: 2880:100
2920:101 Introduction to Mechanical Design (3)	
2920:142 Introduction to Material Technology (3)	
2920:249 Applied Thermal Energy I (2)	Prerequisites: 2030:255, 2820:164.
2920:251 Fluid Power (2)	Prerequisites: 2820:162, 164
2920:252 Thermo Fluids Lab (1)	Prerequisite: 251; Corequisite: 249.
2920:310 Economics of Technology (3)	
2880:140 Computer Aided Drawing (3)	
2940:240 Electrical and Electronic Drafting (3)	
2980:101 Basic Surveying (3)	
2985:101 Introduction to Geographic and Land Information Systems (3)	
2990:125 Statics (3)	Prerequisites: 2820:162 and 2030:153.
2990:150 Plan Reading (2)	
2990:245 Construction Estimating (3)	Prerequisite: 150 and 2030:153.
2990:371 Green and Sustainable Building Practices (3)	
2990:453 Legal Aspects of Construction (2)	Prerequisite: Admission into the BCET program or permission of instructor.
2990:462 Mechanical Service Systems (3)	
2990:463 Electrical Service Systems (3)	
2990:469 Contracts and Specifications (2)	
3100:200 Human Anatomy and Physiology I (3)	
3460:306 Assembly and System Programming (4)	

Program Contact

Program Director Greg Harstine, Schrank Hall South 221E, 330-972-6234 or gph@uakron.edu

Program Information

Engineering technologists are employed in virtually every activity where technical know-how is required. Their work requires the application of scientific and mathematical theory as well as specialized knowledge and skills to solve real world technical problems. The engineering technologist may become involved with electronic instruments and controls, experimental apparatus, computing devices, manufacturing processes and power distribution. As part of the engineering team, the technologist contributes to the technological progress and a high level of productivity which characterizes modern industry.

The Electronic Engineering Technology curriculum is one of a number of bachelor degree programs offered through the COLLEGE OF APPLIED SCIENCE & TECHNOLOGY at The University of Akron. The program requires two years of full-time study after the completion of Associate of Applied Science Degree in Electronic Engineering Technology or similar program. The bachelor degree may also be undertaken on a part-time evening basis requiring more than two years for completion. Both day and evening programs are accredited by the Engineering Technology Accreditation Commission of ABET, Inc. (ETAC/ABET).

The program prepares the individual to become a competent electronic technologist capable of working and communicating with engineers, scientists, and production personnel. The third year provides a firm foundation in circuit analysis. The fourth year builds directly on this background with applied electronic courses in such areas as microcontrollers, communications, controls, instrumentation and software applications. Although the curriculum prepares the student for immediate technical employment, a portion is devoted to non-technical subjects in order to assist the individual in developing as a citizen and responsible human being.

Career Information

Placement or Optional Cooperative Education

Co-op work experiences are available on an optional basis in this academic program. To obtain additional information contact the Career Center regarding these opportunities.

For additional information regarding career opportunities in the Electronic Engineering Technology field, please visit the Bureau of Labor Statistics at www.bls.gov or the Career Center at the Student Union, room 2101, (330-972-7747) <http://www.uakron.edu/career>

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

College of Applied Science and Technology

ELECTRONIC ENGINEERING TECHNOLOGY

286103BS

Bachelor of Science Degree

http://www.uakron.edu/summitcollege/engineering_tech/electronic-engineering-tech/index.dot

Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>

Course work from an accredited institution in Electronic Engineering Technology or in a related program, with bridgework, is a requirement to pursue the Electronic Engineering Technology Bachelor of Science Degree. An Associate of Applied Science in Electronic Engineering Technology is required prior to completing the baccalaureate. Please refer to the Electronic Engineering Technology, Associate of Applied Science Curriculum Guide for further information.

The following is intended only as a guide to be used in conjunction with your advisor. Official degree requirements are established at the time of transfer and admission to the College of Applied Science & Technology. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

3 rd Year Fall Semester		Credits	Prerequisites
	<i>Physical Education/Wellness Requirement</i>	1	
2030:356	Technical Calculus II	3	2030:255 or equivalent with grade of C- or better or placement by Advisor
2020:222	<i>Technical Report Writing</i>	3	3300:111 or 2020:121 by permission
3300:112	<i>-OR- English Composition II</i>		
	Computer Programming Elective (Note c.)	2	
	Electronic Engineering Technology Electives (note d.)	3	
2860:350	Advanced Circuit Theory (Note a.)	3	2860:251; 2030:356 co-requisite
Total		15	

3 rd Year Spring Semester		Credits	Prerequisites
2030:345	Technical Data Analysis (Note a.)	2	2030:154 or equivalent with grade of C- or better or placement by Advisor
3400:210	Humanities in the Western Tradition	4	32 credits & 3300:112 or equivalent
2870:301	Computer Control of Automated Systems (Sch. Lab)	3	
	Electronic Engineering Technology Electives (note d.)	3	
2860:352	Microcontrollers (Sch. Lab) (Note b.)	4	2860:238 prerequisite, 2860:350 co-requisite
Total		16	

4 th Year Fall Semester		Credits	Prerequisites
2820:111	<i>Introductory Chemistry (Sch. Lab) (Note a.)</i>	3	2030:152 co-requisite
	<i>Humanities Requirement</i>	3	3400:210 or 3400:221
	<i>Area Studies/Cultural Diversity Requirement</i>	2	2020:121 or equivalent
	Electronic Engineering Technology Electives (note d.)	3	
2860:453	Control Systems (Sch. Lab) (Note a.)	4	2860:354, 2870:301
Total		15	

4 th Year Spring Semester		Credits	Prerequisites
	<i>Humanities Requirement</i>	3	3400:210 or 3400:221
	Technical Electives (Note e.)	3	
	Electronic Engineering Technology Electives (note d.)	6	
2860:455	Senior Project (Note b.)	2	
Total		14	
Third & Fourth Year Credits		60	121 Total Credits For BS

POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTES

Note a. Traditionally Fall only (See Program Contact)

Note b. Traditionally Spring only (See Program Contact)

Note c. Computer Programming Electives

Choose one of the following courses:

2820:310	Programming for Technologists	2	2030:255; 2820:121
3460:126	Intro. to Visual Basic Programming	3	
3460:209	Intro. to Computer Science	4	3450::145 with C or better or equiv.
4450:208	Programming for Engineers	3	4400:101 or permission

Note d. Electronic Engineering Technology Electives

Please note that each of the following classes may be offered only once during the year, including the summer session. Consult with the Schedule of Classes Bulletin for exact scheduling of classes.

2860:238	Microprocessor Applications (Sch. Lab)	4	
2860:251	Electronic Communications (Sch. Lab)	4	
2860:290	Special Topics in Electronic Eng. Tech.	1-4	By permission only
2860:354	Advanced Circuit Applications	3	2860:350, 2030:356
2860:400	Computer Simulations in Tech.	3	2860:354, 2030:345
2860:406	Communication Systems	3	2860:251, 2860:354
2860:420	Biomedical Electronic Instrumentation	3	2860:354
2860:360	Virtual Instrumentation and Data Acquisition	3	2860:122 or 2860:370
2860:430	Senior Topics in Electronic Technology	3	2860:350, 2860:400
2860:451	Industrial Electrical Systems	3	2860:354
2860:490	Special Topics in Electronic Eng. Tech.	1-4	By permission only

Note e. Technical Electives: Availability dependent on enrollment demands and classroom availability. Technical Electives are defined as courses outside of the Electronic Engineering Technology Program that support a student's career interest. The following list shows approved technical electives. Some courses listed may involve prerequisites. Any course taken that is not on the following list must be approved by the Program Director in writing in order to be considered a technical elective.

Choose a minimum of three (3) credit hours from the courses listed below:

2030:290	Special Topics: Associate Studies Mathematics	1 - 4	
2030:480	Advanced Topics in Technical Mathematics	2	
2820:112	Introductory & Analytical Chem. (Sch. Lab)	3	Prerequisite: 2820:111 or permission.
2820:290	Special Topics: General Technology	1 -2	
2870:332	Management of Technology Based Operations	3	
2870:348	CNC Programming I	3	Prerequisites: 2940:121, 2030:154 or permission.
2870:448	CNC Programming II	3	Prerequisite 2870:348
2870:470	Simulation of Manufacturing Systems	3	Prerequisite: 2880:211
2870:480	Automated Production	3	Prerequisites" 2880:211 or senior status
2880:110	Manufacturing Processes	3	
2880:201	Robotics & Automated Manufacturing	3	Prerequisite: 100 or permission.
2880:211	Computerized Manufacturing Control	3	Prerequisite: 2880:100
2920:101	Introduction to Mechanical Design	3	
2920:142	Introduction to Material Technology	3	
2920:249	Applied Thermal Energy I	2	Prerequisites: 2030:255, 2820:164.
2920:251	Fluid Power	2	Prerequisites: 2820:162, 164
2920:252	Thermo Fluids Lab	1	Prerequisite: 251; Co-requisite: 249.
2920:310	Economics of Technology	3	
2940:210	Computer Aided Drawing I	3	
2940:211	Computer Aided Drawing II	3	
2940:240	Electrical and Electronic Drafting	3	

2980:101	Basic Surveying	3	
2985:101	Introduction to Geographic & Land Information Systems	3	
2990:125	Statics	3	Prerequisites: 2820:162 and 2030:153.
2990:150	Plan Reading	2	
2990:245	Construction Estimating	3	Prerequisite: 150 and 2030:153.
2990:371	Green & Sustainable Building Practices	3	
2990:453	Legal Aspects of Construction	2	Prerequisite: Admission into the BCET program or permission of instructor.
2990:462	Mechanical Service Systems	3	
2990:463	Electrical Service Systems	3	
2990:469	Contracts and Specifications	2	
3100:200	Human Anatomy and Physiology I	3	
3460:306	Assembly & System Programming	4	

PROGRAM CONTACT

Program Director Mr. Andrew Milks P.E., Schrank Hall South 221D, 330-972-2449 or amilks@uakron.edu

PROGRAM INFORMATION

Engineering technologists are employed in virtually every activity where technical know-how is required. Their work requires the application of scientific and mathematical theory as well as specialized knowledge and skills to solve real world technical problems. The engineering technologist may become involved with electronic instruments and controls, experimental apparatus, computing devices, manufacturing processes and power distribution. As part of the engineering team, the technologist contributes to the technological progress and a high level of productivity which characterizes modern industry.

The Electronic Engineering Technology curriculum is one of a number of bachelor degree programs offered through the COLLEGE OF APPLIED SCIENCE & TECHNOLOGY at The University of Akron. The program requires two years of full-time study after the completion of Associate of Applied Science Degree in Electronic Engineering Technology or similar program. The bachelor degree may also be undertaken on a part-time evening basis requiring more than two years for completion. Both day and evening programs are accredited by the Engineering Technology Accreditation Commission of ABET, Inc. (ETAC/ABET).

The program prepares the individual to become a competent electronic technologist capable of working and communicating with engineers, scientists, and production personnel. The third year provides a firm foundation in circuit analysis. The fourth year builds directly on this background with applied electronic courses in such areas as microcontrollers, communications, controls, instrumentation and software applications. Although the curriculum prepares the student for immediate technical employment, a portion is devoted to non-technical subjects in order to assist the individual in developing as a citizen and responsible human being.

CAREER INFORMATION

Placement or Optional Cooperative Education

Co-op work experiences are available on an optional basis in this academic program. To obtain additional information contact the Career Center regarding these opportunities.

For additional information regarding career opportunities in the Electronic Engineering Technology field, please visit the Bureau of Labor Statistics at www.bls.gov or the Career Center at the Student Union, room 2101, (330-972-7747)

<http://www.uakron.edu/career>

TRANSFER

A student can complete the transfer process by meeting with an Academic Adviser in the College in which they reside.

(Thorman/Milks)

Automated Manufacturing Engineering Technology

Bachelor of Science Degree (287103BS)

A completed Associate of Applied Science Degree in Manufacturing Engineering Technology is a requirement of the Automated Manufacturing Engineering Technology Bachelor of Science Degree. Please refer to the Manufacturing Engineering Technology, Associate of Applied Science Curriculum Guide for further information.

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 3 Fall	Prerequisite
2030:255 Technical Calculus I (3) <i>Fulfills Critical Thinking Tag</i>	2030:153 or equivalent with grade of C- or better or placement by Advisor
2870:348 CNC Programming I (3) (Sch. Lab)	[2030:154 and 2920:121] or [2030:154 and 2880:248] or permission
2860:370 Survey of Electronics I (3) (Note a)	2820:163
2880:230 3-D Modeling and Design (3) (Lecture) (Note b)	2880:140
3400:210 <i>Humanities in the Western Tradition I (4)</i> -OR- 3400:221 <i>Humanities in the World Since 1300 (4)</i> -OR- <i>Humanities Requirement (4) (Note f)</i>	32 credits and completion of 3300:112 or 3300:114 or 2020:222 or permission
Total Credits = 16	

Year 3 Spring	Prerequisite
3300:252 <i>Shakespeare and His World (3)</i> -OR- 3600:101 <i>Introduction to Philosophy (3)</i> -OR- <i>Arts or Humanities Requirement (3) (Note f)</i>	<i>For 3300:252 only: 3300:111 and 3300:112 or their equivalents (2020:121 and 2020:222), and 3400:210 or 3400:221</i>
2820:111 <i>Introductory Chemistry (3) (Note a)</i>	2030:152 <i>corequisite</i>
2870:301 Computer Control of Automated Systems (3) (Note b)	
2870:311 Facilities Planning (3) (Note b)	2940:210 or 2940:180
2920:310 Economics of Technology (3)	64 credits or permission
2870:332 Management of Technology Based Operations (3)	
Total Credits = 18	

Year 4 Fall	Prerequisite
2920:101 Introduction to Mechanical Design (3) (Note a)	Prerequisite: 2940:121; Corequisite: 2030:154
2870:470 Simulation of Manufacturing Systems (3) (Note a)	2880:211 or permission
2870:448 CNC Programming II (3) (Note a)	2870:348
2920:370 Plastics Design and Process (3) (Note a)	2820:111 or permission
2870:441 Advanced Quality Practices (3) (Note a)	2880:241 or permission
7100:210 <i>Visual Arts Awareness (3)</i> -OR- 7500:201 <i>Exploring Music, Bach to Rock (3)</i> -OR- 7900:200 <i>Viewing Dance (3)</i> -OR- <i>Arts Requirement (3) (Note f)</i>	3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221
Total Credits = 18	

Year 4 Spring	Prerequisite
Technical Elective (3) (Note d)	
2870:480 Automated Production (3) (Note b)	2880:211 or Senior status
2870:490 Manufacturing Project (2) (Note b)	Senior status
2920:347 Production Machinery and Processes (3) (Note b)	2030:255 and permission
Technical Elective (3) (Note d)	
<i>Complex Systems Tag Requirement (3)</i>	
Total Credits = 17	

Total Credits for Degree = 129 minimum
(3rd and 4th Year Credits = 69; Associate Degree Credits = 60)

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- Fall course offering only
- Spring course offering only
- Course must be part of the Ohio Transfer Module.
- Technical Electives (see table below)

2030:356 Technical Calculus II (3)	2030:255 or equivalent with a grade of C- or better, or placement test
2040:247 Survey of Basic Economics (3)	
2040:251 Human Behavior at Work (3)	
2420:202 Elements of Human Resource Management (3)	2420:103 or permission
2420:211 Basic Accounting I (3)	
2420:212 Basic Accounting II (3)	2420:211
2420:280 Essentials of Business Law (3)	
2820:310 Programming for Technologists (2)	2820:131 and 2030:255
2920:142 Introduction to Material Technology (3)	
2920:251 Fluid Power (2)	2820:162, 164
2920:252 Thermo Fluids Lab (1)	2920:251; corequisite: 249
2920:470 Plastics Processing and Testing (3)	2920:370 or permission.
2990:125 Statics (3)	2820:162 and 2030:153
3470:261 Introductory Statistics I (2)	Placement determined by advisor
3470:262 Introductory Statistics II (2)	3470:261
2520:101 Essentials of Marketing Technology (3)	

Program Contact

Program Director, Mr. Daniel E. Kandray, [Schrank Hall \(South\) 221](#), 330/972-7073, or kandray@uakron.edu

The student is urged to consult The University of Akron Bulletin and the University College General Education requirements to insure that all requirements for graduation are met. Students enter the Bachelor of Science AMET program from different associate degree programs, and therefore may have different General Education requirements remaining.

Automated Manufacturing Engineering Technology – Bachelor of Science

Required Bridgework

- Completion of an associate degree program in engineering, science, or business technology (or related) or the first two years of a bachelor degree program with a minimum grade point average of 2.0.
- Completed with a minimum grade of "C" 2880:241, Introduction to Quality Assurance or equivalent.
- Completed with a minimum grade of "C" 2880:110, Manufacturing Processes or equivalent.
- Completed with a minimum grade of "C" 2870:348, CNC Programming I or equivalent.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Advanced Manufacturing Engineering Technology

Associate of Applied Science Degree (288006AAS)

Upon completion of the Advanced Manufacturing Engineering Technology Associate of Applied Science Degree, a student may proceed to the Automated Manufacturing Engineering Technology Bachelor of Science Degree. Please refer to the Automated Manufacturing Engineering Technology Bachelor of Science Degree Curriculum Guide for further information.

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	<i>Appropriate placement by Advisor</i>
2030:152 <i>Technical Mathematics II (2) (Note c)</i>	<i>Appropriate placement by Advisor</i>
2030:153 <i>Technical Mathematics III (2) (Note c)</i>	<i>2030:152 or equivalent with a grade of C- or better, or appropriate placement by Advisor</i>
2920:130 Introduction to Hydraulics and Pneumatics (3) (Notes a & c)	
2880:101 Introduction to Advanced Manufacturing (2) (Notes a & c)	
2880:110 Manufacturing Processes (3) (Notes a & c) -OR- 2920:142 Introduction to Material Technology	
Total Credits = 15	

Year 1 Spring	Prerequisite
2040:256 <i>Diversity in American Society (3)</i>	<i>2020:121, or 3300:112 or equivalent</i>
2880:151 Industrial Safety and Environmental Protection (2) (Note c)	
2030:154 <i>Technical Mathematics IV (3)</i>	<i>2030:153 or equivalent with a grade of C- or better, or placement by Advisor</i>
2880:248 Introduction to CNC and Additive Manufacturing (3)	2030:153 and [2880:140 or 2920:121] or permission
2880:140 Computer Aided Drawing (3)	
Total Credits = 14	

Year 1 Summer	Prerequisite
2000:201 Cooperative Education (0)	

Year 2 Fall	Prerequisite
2020:222 <i>Technical Report Writing (3)</i>	<i>2020:121 or 3300:111 or equivalent</i>
2420:263 <i>Professional Communications and Presentations (3)</i>	<i>Prerequisite or corequisite: 2020:121 or 3300:111</i>
2820:160 <i>Technical Physics: Mechanics I (4) (Sch. Lab) -OR- 2820:150 Manufacturing Physics (4) (Sch. Lab)</i>	<i>2030:154 or permission</i>
2880:130 Work Measurement and Cost Estimating (3)	2880:101
2880:211 Manufacturing Operations (3) (Note a)	
Total Credits = 16	

Year 2 Spring	Prerequisite
2040:243 <i>Contemporary Global Issues (3)</i>	
2880:241 Introduction to Quality Assurance (3) (Sch. Lab)	2880:101, 2030:152
<ul style="list-style-type: none"> o Technical Elective Option #1 (On-campus Students) <ul style="list-style-type: none"> o 2880:201 Robotics and Automated Manufacturing (3) (Sch. Lab) (Note b) o -AND- 2860:210 Industrial Control Panel Fab (2) o Technical Elective Option #2 (Off-campus and Online Students) Choose 5 credits from Technical Elective list (5) (Note d) 	2880:100 or permission for 2880:201 2030:152 for 2860:210
Open Elective (1)	
2880:225 Computer Aided Tool Design (3)	2880:140 or 2920:121
Total Credits = 15	

Total Credits for Degree = 60

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- a) Traditionally Fall only (See Program Director)
- b) Traditionally Spring only (See Program Director)
- c) Students completing NTMA Journeyman's Machinist Program receive block credit for these courses. Students who have not completed the entire program or who have completed the program prior to 1/1/96, see an advisor.
- d) Technical Electives are listed below. Please note that for Option #2, you may take a second 3-credit course by combining the 2-credit technical elective with the 1-credit open elective.

2420:211 Basic Accounting I (3)	
2420:212 Basic Accounting II (3)	2420:211
2420:280 Essentials of Business Law (3)	
2520:101 Essentials of Marketing Technology (3)	
2820:164 Technical Physics: Heat and Light (2)	2820:161 and 2030:153
2820:163 Technical Physics: Electricity and Magnetism (2) (Sch. Lab)	2820:160 prerequisite; 2030:153 corequisite
2870:480 Automated Production (3)	2880:211 or senior status
2870:332 Management of Technology Based Operations (3)	
2920:101 Introduction to Mechanical Design (3)	2940:121; corequisite: 2030:154

Program Contact

Program Director, Mr. Daniel E. Kandray, Schrank Hall (South) 221E, 330/972-7073, or kandray@uakron.edu

Program Information

Advanced Manufacturing Engineering Technology is concerned with the analysis, design, and management of all the resources, facilities, and people involved in manufacturing processes. Advanced Manufacturing Engineering Technology requires a back-ground in basic technical subjects, management techniques, work measurement, safety procedures, plant layout, quality control, maintenance, production control, economics, and computer applications such as CAD, CNC, and CAM.

Career Information

A graduate of this program finds employment in manufacturing supervision and control. Duties involve the design modification, installation, and operation of integrated systems of people, materials, machines, and methods used to produce a product at a profit. Specific career opportunities may be found in the following functional areas:

- Manufacturing Engineering Technician
- Manufacturing Supervision
- Methods – production, planning, methods and engineering
- Work Measurements – time study, motion study, and standards
- Wage Payment – wage incentives, job evaluation
- Controls – production control, quality control, inventory control
- Plant Facilities and Design – plant layout, material handling, product design, storage facilities, and maintenance of plant equipment
- Industrial Relations – management-union relations, workers' compensation
- Purchasing
- Safety and Industrial Hygiene
- Estimating
- Profit and Cost Analysis
- Quality Assurance

For additional information visit the Bureau of Labor Statistics at www.bls.gov or the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

Cooperative Education is available on an optional basis in this academic program. To obtain additional information on program benefits, eligibility requirements, or to apply for the program, contact the Career Center at 330-972-7747 or at <http://www.uakron.edu/career/> no later than the beginning of the second semester.

Bachelor Degree Programs

Upon completion of the Advanced Manufacturing Engineering Technology Associate of Applied Science Degree, a student may proceed to the Automated Manufacturing Engineering Technology Bachelor of Science Degree. Please refer to the Automated Manufacturing Engineering Technology Bachelor of Science Degree Curriculum Guide for further information. An additional degree option is to proceed to the Bachelor of Organizational Supervision Degree.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Mechanical Engineering Technology

Associate of Applied Science Degree (292001AAS)

Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	<i>Placement by Advisor</i>
2030:154 Technical Mathematics IV (3)	2030:153 or equivalent with grade of C- or better
2920:100 Survey of Mechanical Engineering Technology (2) (Note a)	2030:154 corequisite
2820:160 <i>Technical Physics: Mechanics (4) (Sch. Lab)</i>	2030:154 corequisite
2920:121 Fundamentals of Engineering Drawing (3) (Sch. Lab)	
Total Credits = 15	

Year 1 Spring	Prerequisite
2420:263 <i>Professional Communications and Presentations (3)</i>	Prerequisite or corequisite: 2020:121 or 3300:111
2820:163 <i>Technical Physics: Electricity and Magnetism (2) (Sch. Lab)</i>	2820:160
2820:164 <i>Technical Physics: Heat and Light (2) (Sch. Lab)</i>	2820:160
2820:131 Software Applications for Technology (1) (Sch. Lab)	2030:151
2020:222 <i>Technical Report Writing (3)</i>	2020:121 or 3300:111 or equivalent
2990:125 Statics (3)	2820:160, 2030:153
Total Credits = 14	

Year 2 Fall	Prerequisite
2920:101 Introduction to Mechanical Design (3) (Sch. Lab) (Note a)	2920:121 or 2880:140 prerequisite; 2030:154 & 2920:100 or 2030:154 & 2880:230 corequisite
2030:255 Technical Calculus I (3)	2030:154 or equivalent with grade of C- or better
2870:348 CNC Programming I (3)	2030:154; 2920:121 or permission
2920:243 Kinematics (3) (Note a)	2990:125 prerequisite, 2920:101 corequisite
2920:251 Fluid Power (2) (Note a)	2820:160, 2820:164
2990:225 Strength of Materials (3)	2990:125
Total Credits = 17	

Year 2 Spring	Prerequisite
2040:243 <i>Contemporary Global Issues (3)</i>	
2040:244 <i>Death and Dying (3)</i> -OR- 2040:256 <i>Diversity in American Society (3)</i> -OR- 3850:100 <i>Introduction to Sociology (3)</i>	2020:121, or 3300:112 or equivalent
2920:245 Mechanical Design II (5) (Sch. Lab) (Note b)	2920:101, 2920:243, and 2990:225 prerequisites; 2920:142 corequisite
2920:249 Applied Thermal Energy I (2) (Note b)	2030:255; 2820:164
2920:252 Thermo-Fluids Lab (1) (Note b)	2920:251; 2920:249 corequisite
2920:142 Introduction to Material Technology (3) (Sch. Lab) (Note b)	
Total Credits = 17	

Total Credits for Degree = 63

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- Traditionally Fall only (See Program Contact)
- Traditionally Spring only (See Program Contact)

Contact Information

Program Director, Scott Dilling, Schrank Hall South 123G, 330-972-6232 or sd53@uakron.edu

Program Information

Mechanical Engineering Technology is concerned with the design of products and the machines required to manufacture them. Mechanical technicians are needed in all industries, from steelmaking to consumer products such as tires, cars, and home appliances. Mechanical technicians work along with engineers in design, testing, manufacturing, and servicing of the mechanical components and systems found everywhere in industry. The associate degree holder is well qualified to begin working in the various areas of mechanical technology. To guarantee proper sequence and completion of all requirements for graduation, scheduling for the second year of this program should be done through the College of Applied Science & Technology Advising Office, Polsky 301, 330-972-7220.

Career Information

- Junior or Assistant Designer** – Designs machine elements and/or systems.
- Engineering Aid** - Assists the mechanical engineer, a good beginning for the inexperienced graduate.
- Laboratory Technician** – Primarily responsible for evaluation of product or process diagnosis. May do field testing (tires, cars, etc.). Specifying materials from the design and processing standpoints.
- Customer Service Technician** – Installs and maintains equipment on site. May also serve as sales representative in recommending a machine for a particular application.
- Plant Engineer** – Establishes maintenance schedules and applies tool and machine design production process.

Co-op is available on an optional basis in the academic program. To obtain additional information on program benefits, eligibility requirements, or to apply for the program, contact the Career Center at 330-972-7747 no later than the beginning of the second semester of school.

A student is encouraged to check with his/her major department and with the Career Center regarding employment opportunities in the field.

For additional information visit the Bureau of Labor Statistics at www.bls.gov or the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

Bachelor Degree Programs

Upon completion of the Mechanical Engineering Technology Associate of Applied Science Degree, a student may proceed to the Mechanical Engineering Technology Bachelor of Science Degree. Please refer to the Mechanical Engineering Technology Bachelor of Science Degree Curriculum Guide for further information. An additional degree option is to proceed to the Bachelor of Organization Supervision Degree.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Mechanical Engineering Technology

Bachelor of Science Degree (292104BS)

Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>

Course work from an accredited institution in Mechanical Engineering Technology or in a related program is a requirement to pursue the Mechanical Engineering Technology Bachelor of Science Degree. An Associate of Applied Science in Mechanical Engineering Technology is required prior to completing the baccalaureate. Please refer to the Mechanical Engineering Technology, Associate of Applied Science Curriculum Guide for further information.

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 3 Fall	Prerequisite
2030:356 Technical Calculus II (3)	2030:255 or equivalent with C- or placement by Advisor
2820:310 Programming for Technologists (2) (Sch. Lab)	2030:255, 2820:131
<i>2820:111 Introductory Chemistry (3) (Sch. Lab) (Note a)</i>	2030:152
2860:370 Survey of Electronics I (3) (Sch. Lab) (Note a)	2820:163
2920:344 Dynamics (3) (Note a)	2030:255, 2920:243, 2990:125
Technical Elective (2) (Note d)	
Total Credits = 16	

Year 3 Spring	Prerequisite
<i>2820:112 Introductory & Analytical Chemistry (3) (Note b)</i>	2820:111
2860:242 Machinery and Controls (3) (Note b)	2860:120, and 2860:121 or 2860:370 (previously 270)
2920:346 Mechanical Design III (4) (Sch. Lab) (Note b)	2920:344, 2920:245
2920:347 Production Machinery and Processes (3) (Note b)	2030:225 & [2880:110 or 2920:142] or permission.
Technical Elective (3) (Note d)	
<i>3600:101 Introduction to Philosophy (3) -OR- 3600:120 Introduction to Ethics (3) -OR- 3600:170 Introduction to Logic (3) -OR- Arts or Humanities Requirement (3) (Note c)</i>	
Total Credits = 19	

Year 4 Fall	Prerequisite
2920:405 Introduction to Industrial Machine Control (3) (Sch. Lab) (Note a) –OR- 2870:301 Computer Control of Automation Sys. (3)	2860:370 (formerly 2860:270)
2920:310 Economics of Technology (3)	64 credits or permission
2920:365 Applied Thermal Energy II (3) (Note a)	2920:249, 2920:251, 2030:255
2920:370 Plastics Design and Processing (3) (Note a)	2820:111 or higher
2920:490 Senior MET Seminar (1) (Note a)	2920:346, 2920:347
<i>3400:210 Humanities in the Western Tradition (4) Fulfills Critical Thinking Tag</i>	<i>32 credits & completion of 2020:222 or 3300:112 or 3300:114 or permission</i>
Total Credits = 17	

Year 4 Spring	Prerequisite
2920:402 Mechanical Projects (1) (Note b)	2920:365, 2920:310, 2920:370, 2920:490 & [2920:405 or 2870:301]
2880:241 Introduction to Quality Assurance (3) (Sch. Lab)	2030:152, 2880:100 or permission
2920:470 Plastics Processing and Testing (2) (Note b)	2920:370 or permission
<i>7100:210 Visual Arts Awareness (3) -OR- 7500:201 Exploring Music, Bach to Rock (3) -OR- 7900:200 Viewing Dance (3) -OR- Arts Requirement (3) (Note f)</i>	<i>3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221</i>
<i>2040:241 Technology and Human Values (3) Fulfills Complex Issues Tag</i>	
Total Credits = 12	

Total Credits for BS Degree = 127
(3rd and 4th Year Credits = 64; Associate Degree Credits = 63)

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- Traditionally Fall course (See Program Contact)
- Traditionally Spring course (See Program Contact)
- Must be a course in the Ohio Transfer Module.
- Mechanical Engineering Technology Approved Technical Electives: Availability dependent on enrollment demands and classroom availability
- The student must take both the Introduction and Advanced Corrosion Technology courses to receive the Corrosion Technology Certificate. Other requirements may be required in addition. Please check with the student advisor to be sure.

Technical Electives	
2920:290 Special Topics: Mechanical Engineering Technology (1-2)	Department permission
2920:498 Independent Study in Mechanical Engineering Technology (1-4)	Department permission
2030:345 Technical Data Analysis (2)	2030:154 or equivalent with a C- or better, or placement test
2850:100 Introduction to Corrosion Technology (2) (notes a & e)	2030:151 or 3450:100 or higher
2850:200 Advanced Corrosion (3) (Notes b & e)	2850:100
2860:121 Introduction to Electronics and Computers (2)	2030:151 or placement. Corequisite: 2860:120
2860:237 Digital Circuits (Sch. Lab) (4)	2860:123
2860:238 Microprocessor Applications (4)	2860:237
2860:360 Virtual Instrumentation and Data Acquisition (3)	2860:122 or 2860:370
2870:311 Facilities Planning (3)	2940:180 or 2940:210 or permission
2870:332 Management of Technology Based Operations (3)	
2870:441 Advanced Quality Practices (3)	2880:241 or permission.
2870:448 CNC Programming II (3)	2870:348
2870:480 Automated Production (3)	2880:211 or senior status
2880:130 Work Measurement and Cost Estimating (3)	2880:100
2880:201 Robotics and Automated Manufacturing (3)	2880:100 or permission
2880:211 Computerized Manufacturing Control (3)	2880:100
2880:230 3-D Modeling & Design (3)	2940:210
2880:232 Labor Management Relations (3)	2880:100
2980:101 Basic Surveying I (2)	Corequisite: 2030:153
2990:462 Mechanical Service Systems (3)	
2990:463 Electrical Service Systems (3)	
3460:126 Introduction to Visual Basic Programming (3)	Completion of 3450:100 with a C- or better or placement

Contact Information

Program Director Mr. Scott Dilling, Schrank Hall South 123G, 330-972-6232 or sd53@uakron.edu

Career Opportunities

The bachelor degree holder, along with maturity and experience gained on the job as a technologist, may rise to designer, head of test laboratory, service manager, tool room supervisor, production foreman, plant maintenance supervisor, and with additional education and specialized training, he/she may reach positions of middle management responsibility. He/she is the liaison between the engineer and shop.

Other opportunities exist in cost estimation, purchasing, power generation, and almost any area that requires a liaison that speaks and understands the language of technology.

Advanced technologies, coupled with the need to update and improve manufacturing facilities and product design, will fuel the demand of well-trained professionals in this field.

Placement or Optional Cooperative Education

Co-op work experiences are available on an optional basis in this academic program. To obtain additional information, contact the Career Center regarding these opportunities.

For additional information regarding career opportunities in the Mechanical Engineering Technology field, please visit the Bureau of Labor Statistics at www.bls.gov or the Career Center at the Student Union, room 211, (330-972-7747) <http://www.uakron.edu/career>

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Surveying and Mapping

Bachelor of Science Degree (298103BS)

Accredited by the Applied Science Accreditation Commission of ABET, <http://www.abet.org>

Course work from an accredited institution in Surveying and Mapping, or Land Surveying, or a related program is a requirement to pursue the Surveying and Mapping Bachelor of Science Degree. An Associate of Applied Science in Land Surveying or Surveying and Mapping Technology is required prior to completing the baccalaureate. Please refer to the Land Surveying Curriculum Guide for further information.

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 3 Fall	Prerequisite
2020:222 <i>Technical Report Writing</i> (3)	2020:121 or 3300:111 or equivalent
2030:345 Technical Data Analysis (2)	2030:154 or equivalent with C- or better or placement by Advisor
2980:xxx Surveying Elective(s) (2) (Note d)	
2980:310 Surveying Computations and Adjustments (2)	2980:225
2985:201 Intermediate GIS/LIS (3) (Sch. Lab)	2985:101
3600:120 <i>Introduction to Ethics</i> (3)	
Total Credits = 15	

Year 3 Spring	Prerequisite
2030:255 Technical Calculus I (3)	2030:154 or equivalent with a C- or placement by advisor
2030:480 Advanced Topics in Technical Math (2) (Note b)	2030:255 or equivalent with a C- or better, or placement
2980:330 Applied Photogrammetry (3) (Sch. Lab)	
2980:315 Boundary Control and Legal Principles (3) (Note b)	2980:228
2980:427 Ohio Lands (2)	
3400:210 <i>Humanities in the Western Tradition</i> <i>Fulfills Critical Thinking Tag</i>	32 credits and completion of 2020:222 or 3300:112 or 3300:114 or permission
Total Credits = 17	

Year 4 Summer, Fall, and Spring	Prerequisite
Cooperative Work Study	Minimum of 34 credits completed

Year 5 Fall	Prerequisite
3370:421 Coastal Geology (3) <i>Fulfills Complex Systems Tag</i> <i>-OR- Complex Systems Tag Requirement (3) (Note c)</i>	3370:101
Surveying Electives (2) (Note d)	
2980:415 Legal Aspects of Surveying (3) (Note a)	2980:315
2980:422 GPS Surveying (3) (Sch. Lab)	2980:225 & 2985:101
2980:431 Senior Seminar (2)	
3350:443 Urban Applications in GIS (3) <i>Fulfills Domestic Diversity Tag</i>	3350:405 or Permission [or 2985:101]
Total Credits = 16	

Year 5 Spring	Prerequisite
2420:103 Essentials of Management Technology (3)	
2980:421 Subdivision Design (3) (Sch. Lab) (Note b)	2980:222 & 2980:315 & 2980:155
2980:430 Surveying Project (3) (Note b)	Senior standing and permission
2980:xxx Surveying Elective(s) (2) (Note d)	
5550:211 First Aid and CPR (2)	
7100:210 <i>Visual Arts Awareness</i> (3) <i>-OR- 7500:201 Exploring Music, Bach to Rock</i> (3) <i>-OR- 7900:200 Viewing Dance</i> (3) <i>-OR- Arts Requirement</i> (3) (Note f)	3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221
Total Credits = 16	

Total Credits for Degree = 64	Total Credits for BS = 124
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Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- a) Traditionally Fall only (See Program Contact)
- b) Traditionally Spring only (See Program Contact)
- c) Must be an Arts course in the Ohio Transfer Module.
- d) Surveying Electives

2880:151 Industrial Safety and Environmental Protection (2)
2980:325 OSHA Safety Requirements for Surveyors (1)
2980:335 The Business of Surveying (2)
2980:420 Route Surveying (3)
2980:425 Land Navigation (3)
2980:426 History of Surveying to 1785 (2)
2980:428 History of Surveying Since 1785 (2)
2980:445 Applications in GIS Using GPS (3)
2980:450 Topics in Professional Practice (2)
2980:489 Special Topics in Surveying (1-3)
2980:490 Workshop in Surveying (1-3)
2980:495 Internship: Surveying and Mapping (3)
2980:xxx Independent Study (1-3)
2985:xxx Any 2985 Course
2980:340 Cadastral Surveying (2)
2980:497 Surveying Honors Project (3)
2990:xxx Any 2990 Course

Program Contact

Mr. Gary Schuller, Program Director, Schrank Hall South 117J, 330-972-7122 or gas1@uakron.edu

Program Information and Program Description

The Bachelor of Science in Surveying and Mapping program is an upper level degree program designed to provide the student with additional education beyond the A.A.S. degree in Land Surveying. This degree is also designed to meet the formal education requirements for registration as a Professional Surveyor in the state of Ohio.

This upper level degree program is defined as follows:

- The first two years are completed as an A.A.S. degree in Land Surveying or similarly based program.
- Two of the remaining three years are for the completion of prescribed course work.
- The remaining year of the three years is devoted to a cooperative work experience in the surveying and mapping field. The student normally enters the co-op segment between the junior and senior years.

The B.S. in Surveying and Mapping degree program includes classroom, laboratory, and industry experiences which stress the application of established surveying and mapping knowledge.

Requirements for Admission

Applicants for the Surveying and Mapping program must hold an associate degree in Land Surveying from an accredited program or provide an equivalent academic background. The applicant must have a minimum cumulative grade point average of 2.0 out of a possible 4.0. Applicants with an associate degree in a discipline other than Land Surveying will be required to complete a specific formal set of courses as specified at the time of admission. Final approval for admission is based upon recommendations from the Director of the Surveying and Mapping Program.

Cooperative Work Study Requirement

The required Cooperative Work Study experience of the Surveying and Mapping program consists of 52 weeks of surveying work experience which may begin after the student has completed 34 hours of course work in the Surveying and Mapping program. This program may be satisfied by any one of the following options:

- a) One calendar year.
- b) Three semesters (Summer I and II counts as one semester for the co-op).
- c) Department review of prior or concurrent work experience.

Students having prior or concurrent work experience should submit to the Surveying and Mapping Co-op Review Committee appropriate documentation before signing their program contract. The Surveying and Mapping Co-op Review Committee will determine whether this work experience satisfies the co-op requirement. All students must be cleared through the University Co-Op Office (<http://www.uakron.edu/career/>).

Requirements for Graduation

- Compliance with the requirements of the general studies program as outlined in the Bulletin.
- Completion of the requirements for the associate degree in Land Surveying at The University of Akron or an approved associate degree program. Students transferring from another institution must have their transcripts evaluated to ensure that they have the required number of credits in surveying courses. Those found deficient must complete lower level surveying course work before upper level surveying and mapping courses can be taken.
- Successful completion of a minimum of 124 credits in the B.S. in Surveying and Mapping program including the associate degree program, the general education courses, a one-year co-op, and the following course requirement:

Career Information

For additional information regarding career opportunities in the Surveying and Mapping field, please visit the Bureau of Labor Statistics at www.bls.gov or the Career Center at the Student Union, room 211, (330-972-7747) <http://www.uakron.edu/career>

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Land Surveying

Associate of Applied Science Degree (298109AAS)

Accredited by the Applied Science Accreditation Commission of ABET, <http://www.abet.org>

Upon completion of the Land Surveying Associate of Applied Science Degree, a student may proceed to the Surveying and Mapping Bachelor of Science Degree. Please refer to the Survey and Mapping Bachelor of Science Degree Curriculum Guide for further information.

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 English (3)	placement by Advisor
2030:153 Technical Mathematics III (2)	2030:152 with grade of C- or placement by Advisor
2980:170 Surveying Drafting (3) (Sch. Lab) (Note a)	2030:152 corequisite
2980:100 Introduction to Geomatics (2)	
2980:101 Basic Surveying (3) (Sch. Lab)	2030:153 corequisite
Total Credits = 13	

Year 1 Spring	Prerequisite
2030:154 Technical Mathematics IV (3)	2030:153 with grade of C- or placement by Advisor
2030:260 Advanced Trigonometry (2) (Note b)	2030:153 or equivalent with a grade of C-, or placement test
2820:160 Technical Physics: Mechanics (4) (Sch. Lab)	2030:154 corequisite
2980:102 Topographic Surveying (2) (Sch. Lab)	2030:153, 2980:101 or equivalent
2980:155 Computer Applications in Surveying (3) (Sch. Lab)	
Total Credits = 14	

Year 1 Summer	Prerequisite
2980:123 Surveying Field Practice (2)	2980:102 or equivalent

Year 2 Fall	Prerequisite
2040:243 Contemporary Global Issues (3)	
2980:222 Construction Surveying (3) (Sch. Lab) (Note a)	2980:101
2980:223 Geospatial Technologies (3) (Sch. Lab)	
2980:228 Boundary Surveying (3) (Sch. Lab) (Note a)	2980:101
Surveying Elective (2) (Note c)	
Total Credits = 14	

Year 2 Spring	Prerequisite
2985:101 Introduction to Geographic and Land Information Systems (3) (Sch. Lab)	
2980:225 Advanced Surveying (3) (Sch. Lab) (Note b)	2980:228
2980:251 CST Seminar (1) (Note d)	2980:222
3350:100 Introduction to Geography (3)	
3370:101 Introductory Physical Geology with Lab (4)	
2420:263 Professional Communications and Presentations (3)	Prerequisite or corequisite: 2020:121 or 3300:111
Total Credits = 17	

Total Credits for Degree = 60

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- Traditionally Fall only (See Program Contact)
- Traditionally Spring only (See Program Contact)
- Surveying Electives

2980:325 OSHA Safety Requirements for Surveyors (1)
2980:335 The Business of Surveying (2)
2980:340 Cadastral Surveying (2)
2980:420 Route Surveying (3)
2980:425 Land Navigation (3)
2980:426 History of Surveying to 1785 (2)
2980:428 History of Surveying Since 1785 (2)
2980:445 Applications in GIS Using GPS (3)
2980:450 Topics in Professional Practice (2)
2980:489 Special Topics in Surveying (1-3)
2980:490 Workshop in Surveying (1-3)
2980:495 Internship: Surveying and Mapping (3)
2980:498 Independent Study (1-3)
2980:xxx Any 2985 Course
29840:xxx Any 2940 Course: Upon Approval of the Program Director

- Students must take the National Society of Professional Surveyors (NSPS) Certified Surveying Technician (CST) Exam Level 1. www.nspss.com for information about the CST program.

Program Contact

Program Director: Mr. Gary A. Schuller, Program Director, Schrank Hall South 117J, 330-972-7122 or gas1@uakron.edu.

Program Description

This program prepares graduates to work as surveying technicians under the direction of a professional registered surveyor. It is designed to provide a foundation in mathematics, natural science, and communication skills as well as the surveying skills necessary to become a Certified Surveying Technician (CST) under the National Society of Professional Surveyors' (NSPS) testing program.

Career Information

For additional information visit the Bureau of Labor Statistics at www.bls.gov or the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

Bachelor Degree Programs

Upon completion of the Land Surveying Associate of Applied Science Degree, a student may proceed to the Surveying and Mapping Bachelor of Science Degree. Please refer to the Survey and Mapping Bachelor of Science Degree Curriculum Guide for further information.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Geographic and Land Information Systems (GIS/LIS)

Associate of Applied Science Degree (298500AAS)

Accredited by the Applied Science Accreditation Commission of ABET, <http://www.abet.org>

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 English 121 (3)	Placement by Advisor
2030:152 Technical Mathematics II (2)	2030:151 with grade of C- or better or placement by Advisor
2030:153 Technical Mathematics III (2)	2030:152 with grade of C- or better or placement by Advisor
2980:100 Introduction to Geomatics (2) (Note a)	
2980:101 Basic Surveying (3)	2030:153 corequisite
2985:101 Introduction to Geographic and Land Information Systems (3) (Sch. Lab)	
Total Credits = 15	

Year 1 Spring	Prerequisite
2030:260 Advanced Trigonometry (2) (Note b)	2030:153 or equivalent with C- or better or placement by Advisor
2820:131 Software Applications Technology (1) (Sch. Lab)	2030:151
2980:155 Computer Applications in Surveying (3) (Sch. Lab)	
2985:201 Intermediate Geographic and Land Information Systems (3) (Sch. Lab) (Note b)	2985:101
3350:100 Introduction to Geography (3)	
2420:263 Professional Communications and Presentations (3)	Prerequisite or corequisite: 2020:121 or 3300:111
Total Credits = 15	

Year 2 Fall	Prerequisite
2020:222 Technical Report Writing (3)	2020:121 or 3300:111 or equivalent
2980:228 Boundary Surveying (3) (Note a)	2980:101 or equivalent
2985:205 Building Geodatabases (3) (Sch. Lab) (Note a)	2985:101
298x:xxx GIS/LIS Elective (3)	
Natural Science Requirement with Lab (4)	See Advisor
Total Credits = 16	

Year 2 Spring	Prerequisite
2980:330 Applied Photogrammetry (3) (Note b)	2980:355
298x:xxx GIS/Surveying Elective (3) (Note c)	
2985:210 Geographic and Land Information Systems Project (3) (Note b)	2985:101
2985:280 Topics in Professional Practice (2) (Note b)	
2985:291 Geographic and Land Information Systems Internship (3)	Permission
Total Credits = 14	

Total Credits for Degree = 60

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- Traditionally Fall only (See Program Contact)
- Traditionally Spring only (See Program Contact)
- GIS Electives

Any 2980:xxx course
Any 2985:xxx course
2980:445* Applications in GIS Using GPS (3) (Sch. Lab)

*Recommended

Program Contact

Program Director, Mr. Larry Shubat, Schrank Hall South 123, 330-972-2451 or lcs@uakron.edu

Program Information and Description

This program prepares graduates for employment as GIS/LIS technicians for business and industry. Emphasis of the curriculum is focused on understanding digital geographic data; software applications in solving geographic problems; and graphic communication techniques.

Career Information and Employment Opportunities

Common agencies that use GIS/LIS data and require GIS/LIS technicians are:

- United States Geological Survey (USGS) www.usgs.gov/ohr/
- ERSI: World leader in geographic information system (GIS) software <http://www.esri.com/careers/index.html>
- National Park Service www.nps.gov/personnel Local and National Government Agencies: (County and State GIS and Auditor Offices)
- Local and National Mapping and Surveying Agencies: (Census Bureau, EPA, FEMA, Land Management)

Bachelor Degree Programs

Upon completion of the GIS/LIS AAS degree, a student may proceed to the Bachelor of Science in Surveying & Mapping program or to the Bachelor of Organizational Supervision program.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Construction Engineering Technology

Associate of Applied Science Degree (299103AAS)

Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 English (3)	Placement by Advisor
2030:154 Technical Mathematics IV (3)	2030:153 or equivalent with a C- or better or placement by Advisor
2990:129 Computer Applications in Construction (3) (Sch. Lab) (Note a)	
2820:160 Technical Physics: Mechanics with Lab (4)	2030:154 corequisite
2990:131 Building Construction (2) (Note a)	
Total Credits = 15	

Year 1 Spring	Prerequisite
2030:255 Technical Calculus I (3)	2030:154 or equivalent with C- or placement by Advisor
2020:222 Technical Report Writing (3)	2020:121 or 3300:111 or equivalent
2990:125 Statics (3)	2820:160, 2030:154
2990:150 Plan Reading (2) (Note b)	2990:131
2420:263 Professional Communications and Presentations (3)	Prerequisite or corequisite: 2020:121 or 3300:111
Total Credits = 14	

Year 2 Fall	Prerequisite
2990:xxx Technical Elective (3)	
2820:163 Technical Physics: Electricity and Magnetism (2) (Sch. Lab)	2820:160 prerequisite
2820:164 Technical Physics: Heat and Light (2) (Sch. Lab)	2820:160 prerequisite
2990:246 Site Engineering (3) (Note a) -OR- 2980:101 Basic Surveying (3)	2990:131 2030:153 corequisite or equivalent
2990:237 Materials Testing I (2) (Sch. Lab) (Note a)	2030:154
2990:225 Strength of Materials (3)	2990:125
Total Credits = 15	

Year 2 Spring	Prerequisite
2040:242 American Urban Society (3)	
Elective (3)	
2990:234 Elements of Structures (3) (Note b)	2990:125, 2990:225
2990:238 Materials Testing II (2) (Note b)	2030:154
2990:245 Construction Estimating (3) (Note b)	2990:150, 2030:154
2990:xxx Technical Elective (3) (Note c)	
Total Credits = 17	

Total Credits for Degree = 61

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- Traditionally Fall only (See Program Contact)
- Traditionally Spring only (See Program Contact)
- Technical Electives: Subject to enrollment demands and classroom schedules

2870:332 Management of Technology Based Operations (3)	
2980:xxx Select 2980 Courses	Approval of program director
2990:254 Building Codes (3)	2990:131
2990:310 Residential Building Construction (3)	
2990:312 Neighborhood Revitalization Project (3)	
2990:359 Construction Cost Control (3)	6200:201 or instructor permission
2990:361 Construction Formwork (3)	2990:234 or permission
2990:362 Advanced Elements of Structures (3)	2990:234
2990:465 Heavy Construction Estimating (3)	2990:245
2990:471 Understanding LEED Guidelines (3)	2990:371 or permission
2990:489 Special Topics in Construction (1-3)	Permission of Instructor
2990:490 Workshop in Construction (1-3)	Department Consent Required
2990:498 Independent Study in Construction (1-3)	Department Consent Required

Program Contact

Program Director, Prof. Marcia Belcher, Schrank Hall South 221J, 330-972-2055 or mcbelcher@uakron.edu

Program Information

The A.A.S. in Construction Engineering Technology program includes classroom and laboratory experiences which prepare students for careers in the construction industry and other allied industries.

Career Information

Individuals working in the field of construction engineering technology use knowledge of construction methods, business operations, and management skills to support construction projects. They work on residential and commercial buildings, bridges, road dams, wastewater treatment systems, or other similar projects. Common jobs assumed by graduates of this program include but are not limited to:

- Engineering Technician** - use the principles and theories of science, engineering, and mathematics to solve technical problems in research and development, manufacturing, sales, construction, inspection, and maintenance.
- Construction Inspector** - ensure that construction, alteration, or repair complies with building codes and ordinances, zoning regulations, and contract specifications.
- Cost Estimator or Cost Engineer** - responsible for creating the budget for a project to bid on it or aid in the project's management. Monitors and analyzes project cost estimates, expenditures, and forecasts.
- Scheduler** - planning and scheduling of construction work and work crew. Gathers and analyzes information to prepare reports on the progress of projects.
- Field Engineer** - Monitors activities at construction sites. Works to ensure construction progresses as scheduled and contract specifications are adhered to. Inspects construction site daily and works with contractors to complete scope items.
- Project Engineer** - Under the supervision of the Project Manager, provides technical support to construction staff. Reviews plans and other technical documents, answers questions regarding the scope and/or timing of the project, and monitors costs and project progress.

For additional information visit the Bureau of Labor Statistics at www.bls.gov or the Career Center at Student Union 211. <http://www.uakron.edu/career>.

Bachelor Degree Programs

Upon completion of the Construction Engineering Technology Associate of Applied Science Degree, a student may enroll in the Construction Engineering Technology Bachelor of Science Degree. Please refer to the Construction Engineering Technology Bachelor of Science Degree Curriculum Guide for further information.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Construction Engineering Technology

Bachelor of Science Degree (299103BS)

Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>

A completed Associate of Applied Science Degree in Construction Engineering Technology is a requirement of the Construction Engineering Technology Bachelor of Science Degree. Please refer to the Construction Engineering Technology, Associate of Applied Science Curriculum Guide for further information.

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 3 Fall	Prerequisite
3400:210 <i>Humanities in the Western Tradition I (4)</i> -OR- 3400:221 <i>Humanities in the World Since 1300 (4)</i> -OR- <i>Humanities Requirement (4) (Note f)</i>	32 credits and completion of 2020:222 or 3300:112 or 3300:114 or permission
2990:352 Field Management and Scheduling (2) (Sch. lab) (Note a)	2990:245 or permission
2990:354 Foundation Construction Methods (Note a)	2990:234
2040:244 <i>Death and Dying (3)</i> -OR- 2040:256 <i>Diversity in American Society (3)</i> <i>Either Course Fulfills Domestic Diversity Tag</i>	2020:121, or 3300:112 or equivalent
2030:356 Technical Calculus II (3)	2030:255 or equivalent with C- or better or placement by Advisor
Total Credits = 15	

Year 3 Spring	Prerequisite
2990:371 Green and Sustainable Building Practices (3) (Note b)	
2990:356 Safety in Construction (3) (Note b)	
2990:358 Advanced Estimating (3) (Note b)	2990:245 or permission
7100:210 <i>Visual Arts Awareness (3)</i> -OR- 7500:201 <i>Exploring Music, Bach to Rock (3)</i> -OR- 7900:200 <i>Viewing Dance (3)</i> -OR- <i>Arts Requirement (3) (Note f)</i>	3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221
6200:201 Accounting Principles I (3) -OR- 2420:211 Basic Accounting I (3)	24 credits completed
Total Credits = 15	

Year 3 Summer	Prerequisite
Cooperative Work Study (15 Weeks)	Minimum of 64 credits completed

Year 4 Fall	Prerequisite
3300:252 <i>Shakespeare and His World (3)</i> -OR- 3600:101 <i>Introduction to Philosophy (3)</i> -OR- <i>Arts or Humanities Requirement (3) (Note d)</i>	<i>For 3300:252 only: 2020:121 and 2020:222 or their equivalents, and 3400:210 or 3400:221</i>
Technical Elective (3) (Note c)	
2990:462 Mechanical Service Systems (3)	
2990:468 Construction Management (3) (Note a)	2990:352, 358, Senior level standing
2990:469 Construction Contracts and Specifications (2)	Prerequisite: Admission to BSCET program or permission
Total Credits = 14	

Year 4 Spring	Prerequisite
<i>Complex Systems Tag Requirement (3)</i>	
2990:453 Legal Aspects of Construction (2) (Note b)	Admission into BSCET program or permission of instructor.
2040:243 <i>Contemporary Global Issues (3)</i> <i>Fulfills Global Diversity Tag</i>	
2990:463 Electrical Service Systems (3)	
2990:466 Hydraulics (3) (Note b)	2030:356
5550:211 First Aid and Cardiopulmonary Resuscitation (2)	
Total Credits = 16	

Total Credits for Degree = 121 (3rd and 4th Year = 60; Associate Degree = 61)

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- Fall course offering only.
- Spring course offering only.
- Technical Electives subject to enrollment demands and classroom schedules.
- Must be a course in the Ohio Transfer Module.

2870:332 Management of Technology Based Operations (3)	
2990:310 Residential Building Construction (3)	
2990:312 Neighborhood Revitalization Project (3)	
2990:359 Construction Cost Control (3)	6200:201 or instructor permission
2990:361 Construction Formwork (3)	2990:234 or permission
2990:362 Advanced Elements of Structures (3)	2990:234
2990:465 Heavy Construction Estimating (3)	2990:245
2990:471 Understanding LEED Guidelines (3)	2990:371 or permission
2990:489 Special Topics in Construction (1-3)	Permission of Instructor
2990:490 Workshop in Construction (1-3)	Department Consent Required
2990:497 Honors Project (1-3)	Department Consent Required
2990:498 Independent Study in Construction (1-3)	Department Consent Required

Program Contact

Program Director, Prof. Marcia Belcher, P.E., Schrank Hall South 221J, 330-972-2055 or mcbelcher@uakron.edu

Program Description

The B.S. in Construction Engineering Technology degree program is an upper-level degree program designed to provide the student with additional education beyond the AAS degree in Construction Engineering Technology. This degree is also designed to meet the formal education requirements for registration as a Professional Engineer in the State of Ohio.

This degree program is defined as follows:

- The first two years are completed as an AAS degree in Construction Engineering Technology or similarly based program.
- Two years of additional prescribed coursework.
- A cooperative work experience in the construction field. The student normally enters the co-op segment between the junior and senior years.

The B.S. in Construction Engineering Technology degree program includes classroom, laboratory and industry experiences which prepares students for careers in the construction industry and other allied industries.

Career Opportunities Available

Individuals working in the field of construction engineering technologies use knowledge of construction methods, business operations and management skills to support construction projects. They work on residential or commercial buildings, bridges, roads, dams, wastewater treatment systems, or other similar projects. Common jobs assumed by graduates of this program include:

- Field Engineer - Monitors activities at construction sites. Works to ensure construction progresses as scheduled and contract specifications are adhered to. Inspects construction site daily and works with contractors to complete scope items.
- Project Engineer - Under the supervision of the Project Manager, provides technical support to construction staff. Reviews plans and other technical documents, answers questions regarding the scope and/or timing of the project, and monitors costs and project progress.
- Construction Manager - plan, organize, direct and coordinate building projects. Often called project managers, constructors, construction superintendents, project engineers, construction supervisors, or general contractors.
- Construction Inspector - ensure that construction, alteration, or repair complies with building codes and ordinances, zoning regulations, and contract specifications
- Construction Coordinator - coordinates construction scheduling and communication and acts as a liaison to project management concerning bids, subcontracting, progress and delays.
- Cost Estimator or Cost Engineer - responsible for creating the budget for a project to bid on it or aid in the project's management. Monitors and analyzes project cost estimates, expenditures, and forecasts.
- Scheduler - planning and scheduling of construction work and work crew. Gathers and analyzes information to prepare reports on the progress of projects.
- Engineering Technician - use the principles and theories of science, engineering, and mathematics to solve technical problems in research and development, manufacturing, sales, construction, inspection, and maintenance.

Requirements for Admission

Applicants for the Construction Engineering Technology program must hold an associate degree in Construction Engineering Technology from an accredited program or provide evidence of an equivalent academic background. The applicant must have a minimum cumulative grade-point average of 2.0 out of a possible 4.0.

Applicants with an associate degree in a discipline other than Construction Engineering Technology will be required to complete a specific formal set of courses as specified at the time of admission. Final approval for admission is based upon recommendations from the Director of the Construction Engineering Technology Program.

Cooperative Work Study Requirement

The required cooperative work study experience of the Construction Engineering Technology program may begin after the student has completed 64 hours of course work in the Construction Engineering Technology program. This requirement may be satisfied by one of the following options:

- a) One semester* co-op registered with the Center for Career Management.
- b) 120 service hours with a credible construction organization.**
- c) One calendar year of full-time, continuous, and ongoing employment in a construction management related position.**

* Summer I and II combined count as one semester for the co-op.

** For options B and C, a portfolio of work must be submitted to and approved by the Program Director. The portfolio will include but not be limited to a description of the various work, evidence of work such as supervisor letters or certificates, and a technical paper, addressing a relevant topic associated with the work.

Requirements for Graduation

- Compliance with the requirements of the general education program as outlined in this Bulletin.
- Completion of the requirements for the associate degree in Construction Engineering Technology at The University of Akron or an approved associate degree program

Successful completion of a minimum of 121 credits in the B.S. in Construction Engineering Technology Program including the associate degree program, the general education courses, co-op/work study, and Year 3 and Year 4 course requirements.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

College of Applied Science and Technology

CONSTRUCTION ENGINEERING TECHNOLOGY

299103BS

Bachelor of Science Degree

www.uakron.edu/summitcollege/engineering_tech/construction-engineering-tech

Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>

A completed Associate of Applied Science Degree in Construction Engineering Technology is a requirement of the Construction Engineering Technology Bachelor of Science Degree. Please refer to the Construction Engineering Technology, Associate of Applied Science Curriculum Guide for further information.

The following information has official approval of the **College of Applied Science and Technology**, but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

3 rd Year		Fall Semester	
	<i>Humanities Requirement</i>	3	3400:210 or 3400:221
2990:352	Field Management & Scheduling (Sch. lab) (Note a.)	2	2990:245 or permission
2990:354	Foundation Construction Methods (Note a.)	3	2990:234
3300:112	<i>English Composition II</i>	3	3300:111 or equivalent
	<i>Natural Science Requirement</i>	3	
Total		14	

3 rd Year		Spring Semester	
2990:371	Green & Sustainable Building Pract. (Note b.)	3	
2990:356	Safety in Construction (Note b.)	3	
2990:358	Advanced Estimating (Note b.)	3	2990:245 or permission
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits & 3300:112 or equivalent 32 credits & 3300:112 or equivalent
6200:201 or 2420:211	Accounting Principles I -OR- Basic Accounting I	3	24 credits completed
Total		16	

3 rd Year		Summer Semester	
Cooperative Work Study (15 Weeks) (Must have a minimum of 64 credits completed)			

4 th Year		Fall Semester	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
2030:356	Technical Calculus II	3	2030:255 or equivalent with grade of C- or better or appropriate placement by Advisor
xxx:xxx	Technical Elective (Note c.)	3	
2990:462	Mechanical Service Systems	3	
2990:468	Construction Management (Note a.)	3	2990:352, 358, Senior level standing
2990:469	Construction Contracts and Specifications	2	Prerequisite: Admission to BSCET program or permission
Total		16	

4 th Year	Spring Semester		
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Humanities Requirement</i>	3	3400:210 or 3400:221
2990:453	Legal Aspects of Construction (Note b.)	2	Prerequisite: Admission into the BCET program or permission of instructor.
2990:463	Electrical Service Systems	3	
2990:466	Hydraulics (Note b.)	3	2030:255
5550:211	<i>First Aid & Cardiopulmonary Resuscitation</i> <i>Physical Education/Wellness Requirement</i>	2	
Total		15	

	Total Credits for Degree	121	TOTAL CREDITS = 61 (3 rd & 4 th Year Req.) Associate Degree = 60 credits
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POLICY ALERT: 1) 1) By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of 2.0 to graduate with this degree.

Note a. Fall course offering only

Note b. Spring course offering only

Note c. Technical Electives Subject to enrollment demands and classroom schedules.

Technical Electives

2870:332	Management of Technology Based Operations	3	
2880:232	Labor Management Relations	3	Prerequisite: 2880:100
2940:250	Architectural Drafting	3	Prerequisite: 2940:121
2990:310	Residential Building Construction	3	
2990:312	Neighborhood Revitalization Project	3	
2990:320	Advanced Materials Testing	3	Prerequisite: 2990:241.
2990:351	Construction Quality Control	2	Admission into the BCT program or permission of instructor.
2990:359	Construction Cost Control	3	6200:201 or permission of instructor
2990:361	Construction Formwork	3	2990:234 or permission
2990:362	Advanced Elements of Structures	3	2990:234
2990:455	Computerized Precision Estimating	3	2990:245
2990:465	Heavy Construction Methods	3	2990:245
2990:471	LEED Guidelines	3	2990:371 or permission of instructor.
2990:479	CPC Seminar	3	
2990:489	Special Topics in Construction	1-	Permission of Instructor
2990:490	Workshop in Construction	1-3	
2990:497	Honor's Project	1-3	Department Consent Required
2990:498	Independent Study in Construction	1-3	Department Consent Required

Contact Information: Program Director, Marcia C. Belcher, P.E., Schrank Hall South 221J, 330-972-2055 or mcbelcher@uakron.edu

Program Description:

The B.S. in Construction Engineering Technology degree program is an upper-level degree program designed to provide the student with additional education beyond the AAS degree in Construction Engineering Technology. This degree is also designed to meet the formal education requirements for registration as a Professional Engineer in the State of Ohio.

This degree program is defined as follows:

- The first two years are completed as an AAS degree in Construction Engineering Technology or similarly based program.
- Two years of additional prescribed coursework.

- A cooperative work experience in the construction field. The student normally enters the co-op segment between the junior and senior years.

The B.S. in Construction Engineering Technology degree program includes classroom, laboratory and industry experiences which prepares students for careers in the construction industry and other allied industries.

Career Opportunities Available:

Individuals working in the field of construction engineering technologies use knowledge of construction methods, business operations and management skills to support construction projects. They work on residential or commercial buildings, bridges, roads, dams, wastewater treatment systems, or other similar projects. Common jobs assumed by graduates of this program include:

- Field Engineer - Monitors activities at construction sites. Works to ensure construction progresses as scheduled and contract specifications are adhered to. Inspects construction site daily and works with contractors to complete scope items.
- Project Engineer - Under the supervision of the Project Manager, provides technical support to construction staff. Reviews plans and other technical documents, answers questions regarding the scope and/or timing of the project, and monitors costs and project progress.
- Construction Manager - plan, organize, direct and coordinate building projects. Often called project managers, constructors, construction superintendents, project engineers, construction supervisors, or general contractors.
- Construction Inspector - ensure that construction, alteration, or repair complies with building codes and ordinances, zoning regulations, and contract specifications
- Construction Coordinator - coordinates construction scheduling and communication and acts as a liaison to project management concerning bids, subcontracting, progress and delays.
- Cost Estimator or Cost Engineer - responsible for creating the budget for a project to bid on it or aid in the project's management. Monitors and analyzes project cost estimates, expenditures, and forecasts.
- Scheduler - planning and scheduling of construction work and work crew. Gathers and analyzes information to prepare reports on the progress of projects.
- Engineering Technician - use the principles and theories of science, engineering, and mathematics to solve technical problems in research and development, manufacturing, sales, construction, inspection, and maintenance.

Requirements for Admission:

Applicants for the Construction Engineering Technology program must hold an associate degree in Construction Engineering Technology from an accredited program or provide evidence of an equivalent academic background. The applicant must have a minimum cumulative grade-point average of 2.0 out of a possible 4.0.

Applicants with an associate degree in a discipline other than Construction Engineering Technology will be required to complete a specific formal set of courses as specified at the time of admission. Final approval for admission is based upon recommendations from the Director of the Construction Engineering Technology Program.

Cooperative Work Study Requirement:

The required cooperative work study experience of the Construction Engineering Technology program may begin after the student has completed 64 hours of course work in the Construction Engineering Technology program. This requirement may be satisfied by one of the following options:

- One semester* co-op registered with the Center for Career Management.
- 120 service hours with a credible construction organization.**
- One calendar year of full-time, continuous, and ongoing employment in a construction management related position.**

* Summer I and II combined count as one semester for the co-op.

** For options B and C, a portfolio of work must be submitted to and approved by the Program Director. The portfolio will include but not be limited to a description of the various work, evidence of work such as supervisor letters or certificates, and a technical paper addressing a relevant topic associated with the work.

Requirements for Graduation:

- Compliance with the requirements of the general education program as outlined in this Bulletin.
- Completion of the requirements for the associate degree in Construction Engineering Technology at The University of Akron or an approved associate degree program
- Successful completion of a minimum of 121 credits in the B.S. in Construction Engineering Technology Program including the associate degree program, the general education courses, co-op/work study, and the following course requirements:

Third and Fourth Year Requirements:

2030:356	Technical Calculus II (3.0)
2990:352	Field Management & Scheduling (2.0)
2990:354	Foundation Construction Methods (3.0)
2990:356	Safety in Construction (3.0)
2990:358	Advanced Estimating (3.0)
2990:371	Green & Sustainable Building Practices (3.0)
2990:453	Legal Aspects of Construction (2.0)
2990:462	Mechanical Service Systems (3.0)
2990:463	Electrical Service Systems (3.0)
2990:466	Hydraulics (3.0)
2990:468	Construction Management (3.0)
2990:469	Construction Contracts & Specifications (2.0)
3300:112	English Composition II (3.0)
3400:210	Humanities in the Western Tradition (4.0)
5550:211	First Aid and Cardiopulmonary Resuscitating (2.0)
6200:201	Accounting Concepts and Principles for Business (3.0) OR
2420:211	Basic Accounting I (3.0)
xxxx:xxx	Area Studies and Cultural Diversity (4.0)
xxxx:xxx	Humanities Requirement (6.0)
xxxx:xxx	Technical Electives (3.0)
	Natural Science Elective (3.0)

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE AND TECHNOLOGY: To be admitted to the college, a student must have a 2.0 or better overall GPA. A student in University College can complete this transfer process through an appointment with an Academic Advisor, the Academic Advisement Center, Student Union 211, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Advisor in the College in which they reside.

(Approved M. Belcher 2/18/15)

Effective: Fall 2010
Last Updated: 7/8/14



College of Applied Science and Technology

CONSTRUCTION ENGINEERING TECHNOLOGY

CONSTRUCTION ESTIMATION

Certificate – 299110C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

This certificate program is aimed at developing technical knowledge and skills necessary to accurately estimate construction projects. This certificate may be earned independently of earning a degree, but all coursework can be applied to an A.A.S. degree or the B.S. degree in Construction Engineering.

The following courses constitute a “Certificate in Construction Engineering Technology – Construction Estimation” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2990:131	Building Construction	2	
2990:150	Plan Reading	2	
2990:245	Construction Estimating	3	
2990:358	Advanced Estimation	3	
2990:465	Heavy Construction Methods	3	
2990:469	Contracts and Specifications	2	
Total Credits for Certificate		15	

For further information, contact:

Construction Engineering Technology Program Director
College of Applied Science and Technology
The University of Akron
Akron, Ohio 44325-6104
330-972-7051

Construction Field Operations

Associate of Applied Science Degree (299111AAS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 English (3)	Placement by Advisor
2030:152 Technical Mathematics II (2)	2030:151 or equivalent with a C- or better or placement by Advisor
2030:153 Technical Mathematics III (2)	2030:152
2990:129 Computer Applications in Construction (3) (Sch. Lab) (Note a)	
2980:101 Basic Surveying (3) (Note a)	2030:153 co-requisite or equivalent
2990:131 Building Construction (2) (Note a)	
Total Credits = 15	

Year 1 Spring	Prerequisite
3370:101 Introduction to Physical Geology (4) (recommended) -OR- 3370:xxx Natural Science Requirement without Lab (3)	
2020:222 Technical Report Writing (3)	2020:121 or 3300:111 or equivalent
2990:248 Construction Graphics (3)	
2990:150 Plan Reading (2) (Note b)	2990:131
2420:263 Professional Communications and Presentations (3)	Prerequisite or corequisite: 2020:121 or 3300:111
Total Credits = 14-15	

Year 2 Fall	Prerequisite
2990:237 Materials Testing I (2) (Sch. Lab) (Note a)	2030:153
2990:226 Construction Supervision (3) (Note a)	
2980:222 Construction Surveying (3)	2980:101
2990:310 Residential Building Construction (3)	
2990:246 Site Engineering (3) (Note a)	2990:131
Total Credits = 14	

Year 2 Spring	Prerequisite
2040:240 Human Relations (3)	
2990:238 Materials Testing II (2) (Note b)	2030:153
2990:235 Construction Inspection (3)	
2990:356 Safety in Construction (3) (Note b)	
Electives (6)	
Total Credits = 17	

Total Credits for Degree = 60 minimum

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Notes:

- a) Traditionally Fall only (See Program Contact)
- b) Traditionally Spring only (See Program Contact)

Program Contact

Program Director, Prof. Marcia Belcher, Schrank Hall South 221J, 330-972-2055 or mcbelcher@uakron.edu

Program Information

The A.A.S. in Construction Field Operations Technology program includes classroom and laboratory experiences which prepare students for careers in the construction industry as field superintendents, foremen, project management assistants, inspectors and other allied industrial positions.

Career Information

Individuals working in the area of construction field operations technology use knowledge of construction methods and materials, supervision, inspection, and fundamental management skills necessary to support construction projects. They work on residential and commercial buildings, bridges, roads, dams, wastewater treatment systems, or other similar projects. Common jobs assumed by graduates of this program include but are not limited to:

- **Engineering Technician** – use the principles and theories of science, engineering, and mathematics to solve technical problems in research and development, manufacturing, sales, construction, inspection, and maintenance.
- **Construction Inspector** – ensure that construction, alteration, or repair complies with building codes and ordinances, zoning regulations, and contract specifications.
- **Construction Superintendent** – runs day-to-day field operations on the construction site and controls the short-term schedule. The superintendent's role also includes quality control and subcontractor coordination responsibilities.
- **Construction Foreman** – the foreman is the tradesman with specialist's knowledge of a given trade and is focused on the overall management of that particular trade on the job site.
- **Field Engineer's Assistant** – Monitors activities at construction sites and reports to Project Engineer and/or Owner's Representative. Contributes to the maintaining of the project schedule and budget, as well as ensuring compliance with the contract specifications.

Bachelor Degree Programs

Upon completion of the Construction Field Operation Technology Associate of Applied Science Degree, a student may enroll in the Construction Engineering Technology Bachelor of Science Degree. *There are a series of bridgework courses in math and science that must first be completed. Please refer to the Construction Engineering Technology Bachelor of Science Degree Curriculum Guide for further information or contact the program director.

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.

Anthropology, BA (32300BAT) Checklist

General Education 2.0 Requirements	
Students must complete Writing, Mathematics, and Speaking requirements during their first year.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses) (3200:289 & 230) (HUM)	
Social Sciences: (6 cr -2 courses)	
Natural Sciences: (7 cr -2 courses)	
TAGS (one class each)	
Critical Thinking (CT)	
Complex Systems (CS)	
Domestic Diversity (DD)	
Global Diversity (GD)	
College of Arts & Sciences Requirements	
Foreign Language: (14 cr-4 courses)	
101 Beginning I (4 cr)	
102 Beginning II (4cr)	
201 Intermediate I (3-4 cr)	
202 Intermediate II (3-4 cr)	
7700:222 Survey Deaf Culture America (<i>American Sign Language option only</i>)	
300/400 Upper Division Requirement: (40 cr)	
Anthropology Requirements	
A minimum of 30 departmental credits	
Anthropology core: 16 credits	
3230:150 Human Cultures (3 cr) (SOC SCI)	
3230:151 Human Evolution (4 cr) (NAT SCI)	
3230:359 Anthropological Theory (3 cr) (CT) OR	
3240:400 Archaeological Theory (3 cr) (CT)	
3230:398 Introduction to Anthropological Data (3 cr)	
3240:100 Introduction of Archaeology (3 cr) (SOC SCI)	
Anthropology electives: Minimum of one course each from three of the following four fields for a total of 21 credits.	
Archaeological Concentration Electives	
3240:313 Archaeology of Greece (3 cr)	

3240:314 Archaeology of Rome (3 cr)	
3240:101-120 Case Studies in Archaeology (1 cr)	
3240:150 Time Before History (3 cr)	
3240:300 Historical Archaeology (3 cr)	
3240:345 Egyptology (3 cr)	
3240:360 Ancient Near Eastern Archaeology (3 cr)	
3240:400 Archaeological Theory (3 cr) (CT)	
3240:410 Archaeogeophysical Survey (3 cr)	
3240:420 Archaeology of Ohio (3 cr)	
3240:440 Archaeological Laboratory Methods (3 cr)	
3240:450 Archaeological Field School (1-6 cr)	
3240:460 Seminar in Ancient Near East (3 cr)	
3240:472 Special Topics in Archaeology (1-6 cr)	
3240:499 Senior Honors Project in Archeology (1-6 cr)	
3370:405 Archaeological Geology (3 cr)	
3350:405 Geographic Information Systems (3 cr)	
2980:122 Elementary Surveying (3 cr)	
Biological Concentration Electives	
3100:217 General Ecology (3 cr)	
3230:304 Primates: Behavior , Morph, & Evol (3 cr)	
3230:310 Human Paleontology: Australopith (3 cr)	
3230:311 Human Paleontology: Genus Homo (3 cr)	
3230:340 Paleo & Human Osteology (3 cr)	
3230:400 Seminar: Human Origins (3 cr)	
3230:401 History of Physical Anthropology (3 cr)	
3230:410 Evolution and Human Behavior (3 cr)	
3230:472 Special Topics in Anthro (3 cr)	
3230:474 Special Topics in Biological Anthro. (3 cr)	
Cultural Concentration Electives	
3230:251 Human Diversity (3 cr) (SOC SCI) & (GD)	
3230:357 Magic, Myth and Religion (3 cr)	
3230:358 Indians of North America (3 cr) (DD)	
3230:359 Anthropological Theory (3 cr) (CT)	
3230:370 Globalization and Culture (3 cr) (CS)	
3230:397 Anthropological Research (1-3 cr)	
3230:416 Anthropology of Sex and Gender (3 cr)	
3230:420 The Anthropology of Food (3 cr) (CS)	
3230:457 Medical Anthropology (3 cr) (CS)	
3230:460 Field Methods in Cultural Anthro. (4 cr) (CS)	
3230:472 Special Topics: Anthropology (3 cr)	
3230:494 ST in Biological Anthropology (3 cr)	
3230:497 Senior Honors Project in Anthropology(3 cr)	
3300:371 Introduction to Linguistics (3 cr)	
3850:421 Race and Ethnic Relations (3 cr)	
Classical Studies Concentration Electives	
3200:361 Literature of Greece (3 cr)	
3200:362 Literature of Rome (3 cr)	
3200:363 Women in Ancient Greece and Rome (3 cr)	
120 Credit Minimum	



WEB-VERSION ONLY/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education 2.0 Requirements (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 2
Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 1
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 3
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 2
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 1
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
Social Science Course: Recommend Tier III Global Diversity Tag		<input type="checkbox"/>	Year 2
TIER III: TAGGED COURSES			
Critical Thinking: Recommend 3250:400 Intermediate Macroeconomics		<input type="checkbox"/>	Year 2
Complex Systems Affecting Individuals in Society: Recommend 3250:385 Natural Resources and the Environment or 3250:430 Labor Market & Social Policy		<input type="checkbox"/>	Year 3
Domestic Diversity: Recommend 3250:487 Urban Economics		<input type="checkbox"/>	Year 3
Global Diversity: Recommend 3250:460 Economics of Developing Countries		<input type="checkbox"/>	Year 2
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications OR 3450:221 Analytic Geometry & Calculus I	210: C- in 3450:145 221: C- in 3450:149	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

Economics Requirements (30 credits)			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
3250:226 Computer Skills for Economic Analysis (Fall)	3250:100, 200, or 244	<input type="checkbox"/>	Year 2
3470:261 Introductory Statistics I	Placement	<input type="checkbox"/>	Year 2
3470:262 Introductory Statistics II	3470:261	<input type="checkbox"/>	Year 2
3250:410 Intermediate Microeconomics (Fall)	3250:200 or 244, 3450:145 or equivalent	<input type="checkbox"/>	Year 3
3250:400 Intermediate Macroeconomics (Spring)	3250:201 or 244, 3450:145 or equivalent	<input type="checkbox"/>	Year 2
3250:426 Applied Econometrics (Spring)	3250:200, 201, 3470:261, 262	<input type="checkbox"/>	Year 3
3250:xxx Economics Electives – 11 credits (See General Education Tier III)		<input type="checkbox"/>	Year 3 & 4
3250:496 Senior Project in Economics OR 3250:434 Labor Market Analysis & Evaluation (Spring)	3250:400, 410, 426 OR 3250:410, 426, 430	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Economics Requirements (31 credits)			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
Upper Level Electives – 17 credits		<input type="checkbox"/>	Year 3 & 4
Beginning Language I		<input type="checkbox"/>	Year 1
Beginning Language II	Beginning I	<input type="checkbox"/>	Year 1
Intermediate Language I	Beginning II	<input type="checkbox"/>	Year 2
Intermediate Language II	Intermediate I	<input type="checkbox"/>	Year 2
Total Remaining Credits			

Additional Credits to Reach Minimum 120 Credit Hours

Graduation Requirements – Review DPR for status:

- 120 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

Elective Notes:

- It is strongly recommended that students use upper level (300/400) electives to pursue a minor. See department advisor for suggestions.
- General electives can be any course not already required by your major and upper-level (300/400) elective can be any course in or outside your major, excluding general education courses and workshops.
- Students who wish to follow a particular career-oriented track in their economic electives can do so from the following: Business Career Track, Banking & International Track, Public Policy Track, & Graduate School Track. *Note that choosing a track is not required.*
 - Graduate School Track relates to professional degrees such as Law, MBA, or Public Policy as well as Economics.
 - Those wishing to become professional economists through graduate work in economics (MA or Ph.D.) are encouraged to take more Calculus (e.g., 3450:221, 222, 223) and further mathematics (e.g., 3450:312).

WEB-VERSION ONLY/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education 2.0 Requirements (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 2
Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 3
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 3
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 2
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 1
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
Social Science Course: Recommend Tier III Global Diversity Tag		<input type="checkbox"/>	Year 2
TIER III: TAGGED COURSES			
Critical Thinking: Recommend 3250:400 Intermediate Macroeconomics		<input type="checkbox"/>	Year 2
Complex Systems Affecting Individuals in Society: Recommend 3250:385 Natural Resources and the Environment		<input type="checkbox"/>	Year 3
Domestic Diversity: Recommend 3250:487 Urban Economics		<input type="checkbox"/>	Year 3
Global Diversity		<input type="checkbox"/>	Year 2
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications OR 3450:221 Analytic Geometry & Calculus I	210: C- in 3450:145 221: C- in 3450:149	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

Labor Economics Requirements (31 credits)			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
3250:226 Computer Skills for Economic Analysis (Fall)	3250:100, 200, or 244	<input type="checkbox"/>	Year 2
3250:333 Labor Economics	3250: 200 or 244	<input type="checkbox"/>	Year 2
3470:261 Introductory Statistics I	Placement	<input type="checkbox"/>	Year 2
3470:262 Introductory Statistics II	3470:261	<input type="checkbox"/>	Year 2
3250:410 Intermediate Microeconomics (Fall)	3250:200 or 244, 3450:145 or equivalent	<input type="checkbox"/>	Year 2 Fall
3250:426 Applied Econometrics (Spring)	3250:200, 201, 3470:261, 262	<input type="checkbox"/>	Year 3 Spring
3250:430 Labor Market & Social Policy	3250:200 & 201	<input type="checkbox"/>	Year 3 or 4
3250:434 Labor Market Analysis & Evaluation (Spring)	3250:410, 426, 430	<input type="checkbox"/>	Year 4 Spring
3250:xxx Economics Electives – 9 credits <i>General Education Tier III Complex Systems and Domestic Diversity can fulfill 6 of the 9 required credits</i>		<input type="checkbox"/>	Year 3 & 4
Total Remaining Credits			

Additional Elective Requirements (24 credits)			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
Upper Level Social Science Electives – 8 credits		<input type="checkbox"/>	Year 3 & 4
Upper Level Electives – 16 credits		<input type="checkbox"/>	Year 3 & 4
Total Remaining Credits			

Additional Credits to Reach Minimum 120 Credit Hours

Graduation Requirements – Review DPR for status:

- 120 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

Elective Notes:

- It is strongly recommended that students use upper level (300/400) electives to pursue a minor. See department advisor for suggestions.
- General electives can be any course not already required by your major and upper-level (300/400) elective can be any course in or outside your major, excluding general education courses and workshops.

Geography and Planning 335001BST Geographic Information Sciences (GIS) Track

The following information has official approval of the **Department of Geosciences**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

THE BS IN GEOGRAPHY/GEOGRAPHIC INFORMATION SCIENCES SERVES STUDENTS WHO SEEK A STRONGER BACKGROUND IN THE SCIENCE OR TECHNOLOGY USED BY GEOGRAPHERS AND PLANNERS, INCLUDING CARTOGRAPHY, GIS AND REMOTE SENSING.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
3350:100	<i>Introduction to Geography (Social Science Requirement)</i> (Note a)	3	
	<i>English Composition I Requirement</i> (Note b)	3	Appropriate placement by advisor
	<i>Math Requirement</i>	3	
	Beginning Language I (Note c)	4	
	-OR-	or	
7700:101	American Sign Language I	3	
Total		12-13	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3350:250	World Regional Geography	3	
	<i>English Composition II Requirement</i> (Note b)	3	3300:111 or equivalent
	Beginning Language II (Note c)	4	Beginning Language I
	-OR-	or	
7700:102	American Sign Language II		7700:101
	<i>Natural Science Requirement</i>	4	
	Electives (Note d)	3	
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3350:310	Physical and Environmental Geography	3	
3350:320	Economic Geography	3	
	<i>Natural Science Requirement</i>	4	
	<i>Speech/Oral Communication Requirement</i>	3	
	Intermediate Language I	3	Beginning Language II
	-OR-	or	
7700:201	American Sign Language III		7700:102
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3350:305	Maps & Map Reading	3	
3400:210	<i>Humanities in the Western Tradition</i>	4	32 credits & 3300:112 or equivalent
	-OR-		
3400:221	<i>Humanities in the World Since 1300</i>		32 credits & 3300:112 or equivalent
	<i>Physical Education/Wellness Requirement</i>	1	
3350:xxxx	Geography Elective	3	
	Intermediate Language II	3	Intermediate Language I
	-OR-	or	or

7700:202	American Sign Language IV - AND -	3	7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students only
Total		14-16	

3rd Year		Fall Semester	
3350:440	Cartography	3	
	<i>Area Studies/Cultural Diversity Requirement (Note e)</i>	2	32 credits and 3300:112 or equivalent
3350:447	Remote Sensing	3	
3350:xxx	Geography Elective (Note g)	3	
	<i>Humanities Requirement</i>	3	
	Electives (Note d)	2	
	Upper Level Elective (Note d)	1	
Total		17	

3rd Year		Spring Semester	
3350:405	Geographic Information Systems	3	3350:305
3350:499	Career Assessment Seminar	2	24 department credits completed (3350:xxx)
	<i>Social Science Requirement</i>	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
3350:xxx	Geography Elective (Note g)	3	
	<i>Humanities Requirement</i>	3	
Total		16	

4th Year		Fall Semester	
3350:496	Field Research Methods	3	12 department credits completed (3350:xxx)
	Geotechniques Electives (Note f)	3	
	Geotechniques Electives (Note f)	3	
xxx:3/4xx	Upper Level Electives (300/400 level) (Note d)	9	
Total		18	

4th Year		Spring Semester	
3350:483	Spatial Analysis	3	12 department credits completed (3350:xxx)
	Geotechniques Electives (Note f)	3	
	Electives (Note d)	11	
Total		17	

	Total Credits for Degree	128 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

- NOTES:
- Introduction to Geography will count towards completing half of the Social Science requirement. Please refer to the General Education Guide http://www.uakron.edu/advising/docs/General_Education_Guide.pdf or see your Advisor regarding your second Social Science requirement.
 - English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English Requirement. 2020:121 (English) fulfills the English Composition I requirement. English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
 - Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
 - General electives can be any course not already required by your major and Upper Level (300/400) electives can be any course in or outside your major excluding General Education courses and workshops.

- e. 3350:275 Geography of Cultural Diversity is strongly recommended to meet the Area Studies general education requirement.
- f. Geotechniques Elective include: Advanced Geographic Information Systems 3350:40, Cartographic Theory and Design 3350:442, Applications in Cartography and GIS 3350:444, GIS Database Design 3350:445, GIS Programming and Customization 3350:446, Advanced Remote Sensing 3350:449
- g. Geography Electives include any 3350 course not required by the GIS major.

GEOSCIENCES CONTACT: Ms. Elaine Butcher, 114 Crouse Hall, 330-972-7630, butch@uakron.edu

OVERVIEW

When choosing Geography, students open themselves to a wide range of fields of study. Careers in physical, economic, urban, regional, political, cultural, and environmental geography are just a few of the many options available. Geographers address local and global environmental issues, construct, and use maps, help in improving conditions in cities, rural areas, or natural environments, and often use advanced technologies to answer questions and resolve problems. Geographic Information Science professionals use science and technology to analyze complex geographical situations, visualize spatial problems, and create solutions to many of the challenges the world faces today.

INTERSHIPS

Internships for majors, usually seniors, are available through the Department of Geosciences. These assignments are limited in number and the agencies involved vary by semester. Assignments are made by the Department Chair. Contact the department for more information.

CAREERS

Employment opportunities for geographers, planners, and GIS professionals are good in today's increasingly global economy. The US Department of Labor anticipates a higher than average job growth over the next few years for GIS professionals. Trained GIS personnel are employed in a wide variety of public and private agencies from engineering consulting firms to local government agencies. They spend their time working with computers to analyze maps and spatial data.

PLACEMENT: A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

JOB LOCALE

A wide variety and number of geography, planning and GIS positions exist in northeast Ohio. Flexibility in location is a plus.

SALARY LEVEL

Starting salaries vary widely. They are normally between \$32,000 - \$40,000.

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- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

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COLLEGE OF ARTS & SCIENCES:

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- Upper-level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops and General Education courses

Geology 337000BS

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**Students are encouraged to visit the Geosciences Department their freshman year to obtain preliminary information regarding the program requirements and to learn more about on-campus opportunities available to Geology students.

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1 st Year	Fall Semester	Credit Hours	Prerequisites
3370:101	<i>Intro to Physical Geology (Lecture & Lab)</i>	4	
3450:221	<i>Analytic-Geometry Calculus I (Note a)</i>	4	Appropriate placement by advisor
	<i>English Composition I Requirement (Note b)</i>	3	Appropriate placement by advisor
	<i>Speech/ Oral Communication Requirement</i>	3	
	Beginning Language I (Note c)	4	
	-OR-	or	
7700:101	American Sign Language I	3	
Total		17-18	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3370:102	Intro Historical Geology (Spring term only)	4	3370:101
	<i>English Composition II Requirement (Note b)</i>	3	3300:111 or equivalent
	Beginning Language II (Note c)	4	Beginning Language I
	-OR-	or	or
7700:102	American Sign Language II	3	7700:101
3450:222	Analytic-Geometry Calculus II	4	3450:221
Total		14-15	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits & 3300:112 or equivalent
3370:230	Mineral Science (Fall term only)	4	32 credits & 3300:112 or equivalent
			3370:101 prerequisite 3150:151, 3150:152, corequisites
3150:151	<i>Principles of Chemistry I (Lecture & Recitation)</i>	3	Placement in 3450:149 or higher
3150:152	<i>Principles of Chemistry Lab</i>	1	3150:151, corequisite
	Intermediate Language I	3	Beginning Language II
	-OR-		or
7700:201	American Sign Language III		7700:102
	<i>Physical Education/Wellness Requirement</i>	1	
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3370:231	Silicate Mineralogy and Petrology (Spring term only)	4	3370:101 (3370:230 strongly recommended) 3150:151 & 152, corequisites
	<i>Humanities Elective Requirement</i>	3	
3150:153	Principles of Chemistry II	3	
	<i>Social Science Requirement (Note d)</i>	2-4	
	Intermediate Foreign Language II	3	Beginning Foreign Language II
	-OR-	or	or
7700:202	American Sign Language IV -AND	3	7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students only
Total		15-19	

3 rd Year		Fall Semester	
3370:350	Structural Geology	4	3370:101
	<i>Humanities Requirement</i>	3	
3370:3/4xx	Upper Level Geology electives (Note e)	3	
3650:291	Elementary Classical Physics I	4	3450:221
Total		14	

3 rd Year		Spring Semester	
3370:324	Sedimentation & Stratigraphy	4	3370:102, 3370:231
3370:360	Paleobiology	4	3370:101 or 3100:111
	<i>Social Science Requirement</i> (Note d)	3	
xxxx:3/4xx	Upper Level Geology Electives (Note e)	3	
3650:292	Elementary Classical Physics II	4	3650:291
Total		18	

3 rd Year		Summer Semester	
3370:453	Geology Field Camp I	3	
3370:454	Geology Field Camp II	3	
Total		6	

4 th Year		Fall Semester	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
3370:3/4xx	Upper Level Geology electives (Note e)	3	
3370:3/4xx	Upper Level Geology electives (Note e)	4	
	Upper Level Electives (Note f)	4	
Total		13	

4 th Year		Spring Semester	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	Upper Level Electives (Note f)	12	
Total		14	

	Total Credits for Degree	128 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- All Geology majors should take the Math Placement Test. The B.S. requirement is 3450:221 and 222, Analytic Geometry-Calculus I and II. The B.A. requirement is 3450:149; Precalculus.
- English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English Requirement. 2020:121 (English) fulfills the English Composition I requirement. English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- 3350:100; Introduction to Geography is strongly recommended to meet the Social Sciences general education requirement.
- A total of 13 Geology electives at the 300/400 level is required. Please contact a Department of Geology adviser to discuss alternatives.
- General electives can be any course not already required by your major and Upper Level (300/400) electives can be any course in or outside your major excluding General Education courses and workshops.

GEOSCIENCES CONTACT: Ms. Elaine Butcher, 114 Crouse Hall, 330-972-7630, butch@uakron.edu

IN GENERAL: The Bachelor of Science or the Bachelor of Arts: The B.S. degree is intended for a student who plans to seek employment as a professional geologist or who plans to enter graduate studies in geology, environmental science or engineering. The B.A. degree is for a student who has strong interest in the geological sciences, and who wishes to take a larger number of electives than is compatible with the B.S program. The B.A. program has fewer math and science requirements and is not designed for a student who intends to seek admission to a graduate program in geology or seek employment as a professional geologist. The B.A. program is for students who seek employment in a geology or environmental science related field, and education. It also is appropriate for students who plan to enter graduate studies in a non-science field such as law school, geography, planning or public administration.

OPPORTUNITIES: Professional geologists follow a variety of careers within the general scope of geology. The search for petroleum, for metallic and non-metallic mineral deposits, and for water supplies all come within the domain of the geologist. Many work in environmental areas monitoring and solving potential and real pollution problems. Others work with engineers in evaluating preparation, terrain logistics, and general construction proposals. Petroleum companies, the mining industry, U.S. Geological survey, various state geological surveys, and numerous environmental consulting firms are some of the organizations that employ geologists.

Employment may be anywhere in the world. It may be of office type, all outside work, or a combination of both. It may be practical or research-oriented and it may require either much or little travel.

Salaries compare favorably with other scientists and engineers.

CAMPUS ORGANIZATIONS: Interested students should contact the department for information about joining the Geology Club (Faculty adviser: Dr. Verne Friberg, lfribe@uakron.edu) and the American Association of Petroleum Geologists (Faculty adviser: Dr. Ira Sasowsky, ids@uakron.edu).

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- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

PLACEMENT: A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 47 credits (excluding workshops and General Education courses) consisting of either:

- Upper-level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops and General Education courses

Geology Websites:

For careers in Geoscience visit: <http://www.earthscienceworld.org>

Ask-a-Geologist at <http://walrus.wr.usgs.gov/ask-a-geologist/>

U.S. Geological Survey at <http://www.usgs.gov>

Association of American State Geologists at <http://www.kgs.ukans.edu/AASG/AASG.html>

Link to other geology websites: <http://www.uakron.edu/colleges/artsci/depts/geology/links.php>

Geology – Earth Science 337001BA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide found on page 5. The curriculum guide below on this page is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Department of Geosciences**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Students are encouraged to visit the Department of Geosciences their freshman year to obtain preliminary information regarding the program requirements and to learn more about on-campus opportunities available to Geology students.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2015 OR LATER:

1 st Year	Fall Semester	Credit Hours	Prerequisites
3370:101	<i>Intro to Physical Geology lecture/lab</i> (Note a)	4	
	<i>English Composition I Requirement</i> (Note h)	3	Appropriate placement by advisor
	<i>Social Sciences Requirement</i> (Note e)	3	
	<i>Speech/Oral Communication Requirement</i>	3	
	Beginning Language I (Note d)	4	
	-OR-	or	
7700:101	American Sign Language I	3	
Total		16-17	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3370:102	Introduction to Historical Geology	4	3370:101
	<i>English Composition II Requirement</i> (Note h)	3	3300:111 or equivalent
	Beginning Language II (Note d)	4	Beginning Language I
	-OR-	or	or
7700:102	American Sign Language II	3	7700:101
3450:149	<i>Pre-Calculus</i> (Note b)	4	Appropriate placement by advisor
Total		14-15	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3400:210	<i>Humanities in the Western Tradition</i>	4	32 credits & 3300:112 or equivalent
	-OR-		
3400:221	<i>Humanities in the World Since 1300</i>		32 credits & 3300:112 or equivalent
3150:151	<i>Principles of Chemistry I + Recitation</i>	3	Placement in 3450:149 or higher
3150:152	<i>Principles of Chemistry Lab</i>	1	3150:151 corequisite
	Intermediate Language I	3	Beginning Language II
	-OR-		or
7700:201	American Sign Language III		7700:102
	Science Elective (Note c)	3	
	<i>Physical Education/Wellness Requirement</i>	1	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3370:231	Silicate Mineralogy and Petrology	4	3370:101, prerequisite 3150:151, 3150:152 corequisite
	Science Elective (Note c)	4	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	Intermediate Language II	3	Beginning Language II

7700:202	-OR- American Sign Language IV -AND	or 3	or 7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students only
Total		13-15	

3rd Year Fall Semester

3370:350	Structural Geology	4	3370:101
	<i>Humanities Requirement</i>	3	
3370:xxx	Geology electives (Note f)	3	
3370:xxx	Geology electives (Note f)	3	
3370:3xx /4xx	Upper level Geology electives (Notes f and g)	3-4	
Total		16-17	

3rd Year Spring Semester

3370:360	Paleobiology	4	3370:101 or 3100:111
	<i>Social Science Requirement (Note e)</i>	3	
3370:3/4 xx	Upper level Geology electives (Notes f and g)	3-4	
3370:xxx	Geology electives	3	
Total		13-14	

3rd Year Summer Semester

3370:453	Geology Field Camp I	3	3370:101 and 3370:102 and permission
3370:454	Geology Field Camp II	3	3370:231, 3370:350, 3370:453, or permission
Total		6	

4th Year Fall Semester

3370:3/4 xx	Upper level Geology electives (Notes f and g)	3	
	<i>Humanities Requirement</i>	3	
3370:xxx	Geology electives	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	Upper Level Electives (Note g)	2	
Total		13	

4th Year Spring Semester

	Upper Level Electives (Note g)	12	
Total		12	

	Total Credits for Degree	120 min	
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NOTES:

- 3370:101; Introductory Physical Geology Strongly Preferred, OR** 3370:100; Earth Science, **OR** 3370:200; Environmental Geology, **OR** (by permission only) 3370:211; Introduction to Environmental Science, **AND** 3370:104; Exercises in Physical Geology.
- All Geology majors should take the Math Placement Test. The B.A. requirement is 3450:149; Precalculus.
- B.A. degree requires completion of at least 7 credits from the following and these options can satisfy the upper level requirement for Arts & Sciences as well (300/400 level): 3100:111; Principles of Biology I, 3100:112; Principles of Biology II, 3150:153; Principles of Chemistry II, 3650:291/292; Elementary Classical Physics I and II, 3450:221, 222; Analytical Geometry-Calculus I & II.

- d. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- e. 3350:100; Introduction to Geography and 3240:100; Introduction to Archaeology recommended.
- f. A total of 18 departmental (3370) credits are required, eight of which must be at the 300/400 level. Please contact a Department of Geosciences adviser to discuss alternatives.
- g. **Buchtel College of Arts & Sciences (BCAS)** – requires **40 credits** at the 300/400 level. Please contact an adviser to determine how many additional 300/400 courses you need to complete this requirement.
- h. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.

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- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

PLACEMENT: A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts and Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 40 credits of 300/400 level courses (excluding workshops) consisting of either:

- Upper level (300/400) courses both in and outside the student's major

- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops

Geology Websites:

For careers in Geoscience visit: <http://www.earthscienceworld.org>

Ask-a-Geologist at <http://walrus.wr.usgs.gov/ask-a-geologist/>

U.S. Geological Survey at <http://www.usgs.gov>

Association of American State Geologists at <http://www.kgs.ukans.edu/AASG/AASG.html>

Link to other geology websites: <http://www.uakron.edu/colleges/artsci/depts/geology/links.php>

Geology – Earth Science 337001BA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide below on this page. The curriculum guide above is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Department of Geosciences**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Students are encouraged to visit the Department of Geosciences their freshman year to obtain preliminary information regarding the program requirements and to learn more about on-campus opportunities available to Geology students.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM PRIOR TO FALL 2015:

1 st Year	Fall Semester	Credit Hours	Prerequisites
3370:101	<i>Intro to Physical Geology lecture/lab</i> (Note a)	4	
	<i>English Composition I Requirement</i> (Note h)	3	Appropriate placement by advisor
	<i>Social Sciences Requirement</i> (Note e)	3	
	<i>Speech/Oral Communication Requirement</i>	3	
	Beginning Language I (Note d)	4	
	-OR-	or	
7700:101	American Sign Language I	3	
Total		16-17	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3370:102	Introduction to Historical Geology	4	3370:101
	<i>English Composition II Requirement</i> (Note h)	3	3300:111 or equivalent
	Beginning Language II (Note d)	4	Beginning Language I
	-OR-	or	or
7700:102	American Sign Language II	3	7700:101
3450:149	<i>Pre-Calculus</i> (Note b)	4	Appropriate placement by advisor
Total		14-15	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3400:210	<i>Humanities in the Western Tradition</i>	4	32 credits & 3300:112 or equivalent
	-OR-		
3400:221	<i>Humanities in the World Since 1300</i>		32 credits & 3300:112 or equivalent
3150:151	<i>Principles of Chemistry I + Recitation</i>	3	Placement in 3450:149 or higher
3150:152	<i>Principles of Chemistry Lab</i>	1	3150:151 corequisite
	Intermediate Language I	3	Beginning Language II
	-OR-		or
7700:201	American Sign Language III		7700:102
	Science Elective (Note c)	3	
	<i>Physical Education/Wellness Requirement</i>	1	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3370:231	Silicate Mineralogy and Petrology	4	3370:101, prerequisite 3150:151, 3150:152 corequisite
	Science Elective (Note c)	4	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	Intermediate Language II	3	Beginning Language II
	-OR-	or	or

7700:202	American Sign Language IV -AND	3	7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students only
Total		13-15	

3rd Year Fall Semester

3370:350	Structural Geology	4	3370:101
	<i>Humanities Requirement</i>	3	
3370:xxx	Geology electives (Note f)	3	
3370:xxx	Geology electives (Note f)	3	
3370:3xx /4xx	Upper level Geology electives (Notes f and g)	3-4	
Total		16-17	

3rd Year Spring Semester

3370:360	Paleobiology	4	3370:101 or 3100:111
	<i>Social Science Requirement (Note e)</i>	3	
3370:3/4 xx	Upper level Geology electives (Notes f and g)	3-4	
3370:xxx	Geology electives	3	
Total		13-14	

3rd Year Summer Semester

3370:453	Geology Field Camp I	3	3370:101 and 3370:102 and permission
3370:454	Geology Field Camp II	3	3370:231, 3370:350, 3370:453, or permission
Total		6	

4th Year Fall Semester

3370:3/4 xx	Upper level Geology electives (Notes f and g)	3	
	<i>Humanities Requirement</i>	3	
3370:xxx	Geology electives	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	Upper Level Electives (Note g)	6	
Total		17	

4th Year Spring Semester

	Upper Level Electives (Note g)	16	
Total		16	

	Total Credits for Degree	128 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. 3370:101; Introductory Physical Geology Strongly Preferred, **OR** 3370:100; Earth Science, **OR** 3370:200; Environmental Geology, **OR** (by permission only) 3370:211; Introduction to Environmental Science, **AND** 3370:104; Exercises in Physical Geology.
- b. All Geology majors should take the Math Placement Test. The B.A. requirement is 3450:149; Precalculus.
- c. B.A. degree requires completion of at least 7 credits from the following and these options can satisfy the upper level requirement for Arts & Sciences as well (300/400 level): 3100:111; Principles of Biology I, 3100:112; Principles of Biology II, 3150:153; Principles of Chemistry II, 3650:291/292; Elementary Classical Physics I and II, 3450:221, 222; Analytical Geometry-Calculus I & II.

- d. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- e. 3350:100; Introduction to Geography and 3240:100; Introduction to Archaeology recommended.
- f. A total of 18 departmental (3370) credits are required, eight of which must be at the 300/400 level. Please contact a Department of Geosciences adviser to discuss alternatives.
- g. **Buchtel College of Arts & Sciences (BCAS)** – requires **47 credits** at the 300/400 level. Please contact an adviser to determine how many additional 300/400 courses you need to complete this requirement.
- h. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.

GEOSCIENCES CONTACT: Ms. Elaine Butcher, 114 Crouse Hall, 330-972-7630, butch@uakron.edu

IN GENERAL: The Bachelor of Science or the Bachelor of Arts: The B.S. degree is intended for a student who plans to seek employment as a professional geologist or who plans to enter graduate studies in geology, environmental science or engineering. The B.A. degree is for a student who has strong interest in the geological sciences, and who wishes to take a larger number of electives than is compatible with the B.S program. The B.A. program has fewer math and science requirements and is not designed for a student who intends to seek admission to a graduate program in geology or seek employment as a professional geologist. The B.A. program is for students who seek employment in a geology or environmental science related field, and education. It also is appropriate for students who plan to enter graduate studies in a non-science field such as law school, geography, planning or public administration.

OPPORTUNITIES: Professional geologists follow a variety of careers within the general scope of geology. The search for petroleum, for metallic and non-metallic mineral deposits, and for water supplies all come within the domain of the geologist. Many work in environmental areas monitoring and solving potential and real pollution problems. Various state agencies and numerous environmental consulting firms are some of the organizations that employ geologists.

Employment may be anywhere in the world. It may be of office type, all outside work, or a combination of both. It may be practical or research-oriented and it may require either much or little travel.

Salaries compare favorably with other scientists and engineers.

CAMPUS ORGANIZATIONS: Interested students should contact the department for information about joining the Geology Club (Faculty adviser: Dr. Verne Friberg, lfribe1@uakron.edu) and the American Association of Petroleum Geologists (Faculty adviser: Dr. Ira Sasowsky, ids@uakron.edu).

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

PLACEMENT: A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts and Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 47 credits of 300/400 level courses (excluding workshops and General Education courses) consisting of either:

- Upper level (300/400) courses both in and outside the student's major

- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops and General Education courses

Geology Websites:

For careers in Geoscience visit: <http://www.earthscienceworld.org>

Ask-a-Geologist at <http://walrus.wr.usgs.gov/ask-a-geologist/>

U.S. Geological Survey at <http://www.usgs.gov>

Association of American State Geologists at <http://www.kgs.ukans.edu/AASG/AASG.html>

Link to other geology websites: <http://www.uakron.edu/colleges/artsci/depts/geology/links.php>

Geophysics 337002BS

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide found on page 5. The curriculum guide below on this page is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Department of Geosciences**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

**Students are encouraged to visit the Geosciences Department their freshman year to obtain preliminary information regarding the program requirements and to learn more about on-campus opportunities available to Geology students.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2015 OR LATER:

1 st Year	Fall Semester	Credit Hours	Prerequisites
3370:101	<i>Intro to Physical Geology Lecture and Lab</i>	4	
3450:221	<i>Analytical Geometry/ Calculus I (Note a)</i>	4	Appropriate placement by advisor
	<i>English Composition I Requirement (Note b)</i>	3	Appropriate placement by advisor
	<i>Speech/Oral Communication Requirement</i>	3	
or	Beginning Language I (Note c)	4	Appropriate placement by advisor
7700:101	-OR- Beginning Sign Language	or 3	
Total		17-18	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3370:102	<i>Intro to Historical Geology (Spring term only)</i>	4	3370:101
	<i>English Composition II Requirement (Note b)</i>	3	3300:111 or equivalent
	Beginning Language II	4	Beginning Language I
7700:102	-OR- American Sign Language II	or 3	or 7700:101
3450:222	Analytical Geometry - Calculus II	4	3450:221 with a C- or better
Total		14-15	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3400:210	<i>Humanities in the Western Tradition</i>	4	32 credits & 3300:112 or equivalent
or	-OR-		
3400:221	<i>Humanities in the World Since 1300</i>		32 credits & 3300:112 or equivalent
3450:223	Analytical Geometry - Calculus III	4	3450:222 with C- or better
3650:291	<i>Elementary Classical Physics I Lecture & Lab</i>	4	3450:221 with C- or better
	Intermediate Language I	3	Beginning Language II
7700:201	-OR- American Sign Language III		or 7700:102
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3650:292	Elementary Classical Physics II Lecture & Lab	4	3650:291
3450:335	Intro to Differential Equations	3	3450:223 with C- or better
	<i>Social Science Requirement (Note d)</i>	3	
	Intermediate Language II	3	Intermediate Language I
	-OR-	or	or

7700:202	American Sign Language IV AND	3	7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students <i>only</i>
Total		13-15	

3rd Year		Fall Semester	
3370:350	Structural Geology	4	3370:101
3150:151	Principles of Chemistry I lecture and recitation	3	Placement in 3450:149 or higher
3150:152	Principles of Chemistry I laboratory	1	3150:151, prerequisite or corequisite
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	Free Electives (Notes f, g)	3	
Total		13	

3rd Year		Spring Semester	
3150:153	Principles of Chemistry II lecture & recitation	3	3150:151
3370:231	Silicates (Required for Field Camp)	4	
3370:3xx /4xx	Upper Level Geology Elective (Note f)	3	
	<i>Social Science Requirement (Not from Geography Set)</i>	3	
Total		13	

Summer		Junior Year	
3370:453	Geology Field Camp I	3	3370:101 and 3370:102 and permission
3370:454	Geology Field Camp II	3	3370:231, 350, 453, or permission
Total		6	

4th Year		Fall Semester	
3370:446	Exploration Geophysics	3	3450:223, 3650:292 or permission
	<i>Humanities Requirement</i>	3	
3650/3460	Science elective (Note d)	2	
3370:3xx/ 4xx	Upper Level Geology Elective (Note f)	3	
	Free Electives (Notes f, g)	2	
Total		13	

4th Year		Spring Semester	
3650/3460	Science elective (Note e)	3	
3370:441	Fundamentals of Geophysics	3	3450:223 or permission and 3650:292
	<i>Physical Education/Wellness Requirement</i>	1	
	<i>Humanities Requirement</i>	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	Free Electives (Notes f, g)	2	
Total		14	

	Minimum Total Credits for Degree	120	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

- NOTES:**
- a. All geophysics majors should take the Math Placement Test. A student who qualifies will begin with 3450:221; Analytic Geometry-Calculus I. A geophysics major must complete the math sequence through 3450:235; Differential Equations.
 - b. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-

American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.

- c. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- d. 3350:100; Introduction to Geography is recommended for ½ of the general education Social Science requirement.
- e. Science electives 9 credits. At least three science courses approved by the Geosciences adviser. Recommended courses are: 3460:209; Computer Science I, 3650:322; Int. Laboratory I, 3650:323; Int. Laboratory II, 3650:350, Modeling and Simulation, 3650:431; Mechanics I, or 3650:436; Electromagnetism I.
- f. Please contact a Department of Geosciences advisor to discuss alternatives and necessity.
- g. Free electives can be any course not already required by your major and upper level electives can be any course (300/400 level) in or outside the student's major, excluding workshops. Please consult with the University of Akron website, the Undergraduate Bulletin, and your Academic Advisor about possible minor options.

GEOSCIENCES CONTACT: Ms. Elaine Butcher, 114 Crouse Hall, 330-972-7630, butch@uakron.edu

IN GENERAL:

The Bachelor of Science in Geophysics is intended for a student who plans to seek employment as a professional geophysicist, or who plans to enter graduate studies in geophysics or a related field.

OPPORTUNITIES:

Professional geologists and geophysicists follow a variety of careers within the general scope of geology. The search for petroleum, metallic and non-metallic mineral deposits, water supplies, and the investigation of environmental pollution, all come within the domain of the geologist and geophysicist. Petroleum companies, the mining industry, environmental consulting firms, U.S. Geological Survey, and the various state geological surveys are a few of the organizations that employ geologists and geophysicists.

Employment may be anywhere in the world. It may be of office type, all outside work, or a combination of both. It may be practical or research-oriented and it may require either much or little travel.

Salaries compare favorably with other scientists and engineers.

PLACEMENT:

A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

A student can arrange their inter-college transfer through an appointment with his/her advisor in the Center for Academic Advising & Student Success, Simmons 205, (330) 972-7430, or Center for Academic Advising & Student Success, Simmons 301, (330) 972-5723 or College of Applied Science and Technology, Polsky 301, (330) 972-7220, depending upon the advising office in which they reside.

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts and Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 40 credits of 300/400 level courses (excluding workshops) consisting of either:

- Upper level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops

GEOLOGY WEBSITES:

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Ask-a-Geologist at <http://walrus.wr.usgs.gov/ask-a-geologist/>

U.S. Geological Survey at <http://www.usgs.gov>

Association of American State Geologists at <http://www.kgs.ukans.edu/AASG/AASG.html>

Link to other geology websites: <http://www.uakron.edu/colleges/artsci/depts/geology/links.php>

Geophysics 337002BS

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide below on this page. The curriculum guide above is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Department of Geosciences**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

**Students are encouraged to visit the Geosciences Department their freshman year to obtain preliminary information regarding the program requirements and to learn more about on-campus opportunities available to Geology students.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM PRIOR TO FALL 2015:

1 st Year	Fall Semester	Credit Hours	Prerequisites
3370:101	<i>Intro to Physical Geology Lecture and Lab</i>	4	
3450:221	<i>Analytical Geometry/ Calculus I (Note a)</i>	4	Appropriate placement by advisor
	<i>English Composition I Requirement (Note b)</i>	3	Appropriate placement by advisor
	<i>Speech/Oral Communication Requirement</i>	3	
or	Beginning Language I (Note c)	4	Appropriate placement by advisor
7700:101	-OR- Beginning Sign Language	or 3	
Total		17-18	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3370:102	<i>Intro to Historical Geology (Spring term only)</i>	4	3370:101
	<i>English Composition II Requirement (Note b)</i>	3	3300:111 or equivalent
	Beginning Language II	4	Beginning Language I
7700:102	-OR- American Sign Language II	or 3	or 7700:101
3450:222	<i>Analytical Geometry - Calculus II</i>	4	3450:221 with a C- or better
Total		14-15	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3400:210	<i>Humanities in the Western Tradition</i>	4	32 credits & 3300:112 or equivalent
or	-OR-		
3400:221	<i>Humanities in the World Since 1300</i>		32 credits & 3300:112 or equivalent
3450:223	<i>Analytical Geometry - Calculus III</i>	4	3450:222 with C- or better
3650:291	<i>Elementary Classical Physics I Lecture & Lab</i>	4	3450:221 with C- or better
	Intermediate Language I	3	Beginning Language II
7700:201	-OR- American Sign Language III		or 7700:102
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3650:292	<i>Elementary Classical Physics II Lecture & Lab</i>	4	3650:291
3450:335	<i>Intro to Differential Equations</i>	3	3450:223 with C- or better
	<i>Social Science Requirement (Note d)</i>	3	
	Intermediate Language II	3	Intermediate Language I
	-OR-	or	or

7700:202	American Sign Language IV AND	3	7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students <i>only</i>
Total		13-15	

3rd Year Fall Semester			
3370:350	Structural Geology	4	3370:101
3150:151	Principles of Chemistry I lecture and recitation	3	Placement in 3450:149 or higher
3150:152	Principles of Chemistry I laboratory	1	3150:151, prerequisite or corequisite
3650/3460	Science elective (Note e)	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	Free Electives (Notes f, g)	3	
Total		16	

3rd Year Spring Semester			
3150:153	Principles of Chemistry II lecture & recitation	3	3150:151
3370:231	Silicates (Required for Field Camp)	4	
3370:3xx/4xx	Upper Level Geology Elective (Note f)	3	
	<i>Social Science Requirement (Not from Geography Set)</i>	3	
	Free Electives (Notes f, g)	3	
Total		16	

Summer Junior Year			
3370:453	Geology Field Camp I	3	3370:101 and 3370:102 and permission
3370:454	Geology Field Camp II	3	3370:231, 350, 453, or permission
Total		6	

4th Year Fall Semester			
3370:446	Exploration Geophysics	3	3450:223, 3650:292 or permission
	<i>Humanities Requirement</i>	3	
3650/3460	Science elective (Note d)	3	
3370:3xx/4xx	Upper Level Geology Elective (Note f)	3	
	Free Electives (Notes f, g)	3	
Total		15	

4th Year Spring Semester			
3650/3460	Science elective (Note e)	3	
3370:441	Fundamentals of Geophysics	3	3450:223 or permission and 3650:292
	<i>Physical Education/Wellness Requirement</i>	1	
	<i>Humanities Requirement</i>	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	Free Electives (Notes f, g)	2	
Total		14	

	Minimum Total Credits for Degree	128	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

- NOTES:**
- All geophysics majors should take the Math Placement Test. A student who qualifies will begin with 3450:221; Analytic Geometry-Calculus I. A geophysics major must complete the math sequence through 3450:235; Differential Equations.

- b. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- c. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- d. 3350:100; Introduction to Geography is recommended for ½ of the general education Social Science requirement.
- e. Science electives 9 credits. At least three science courses approved by the Geosciences adviser. Recommended courses are: 3460:209; Computer Science I, 3650:322; Int. Laboratory I, 3650:323; Int. Laboratory II, 3650:350, Modeling and Simulation, 3650:431; Mechanics I, or 3650:436; Electromagnetism I.
- f. Please contact a Department of Geosciences advisor to discuss alternatives and necessity.
- g. Free electives can be any course not already required by your major and upper level electives can be any course (300/400 level) in or outside the student's major, excluding General Education courses or workshops. Please consult with the University of Akron website, the Undergraduate Bulletin, and your Academic Advisor about possible minor options.

GEOSCIENCES CONTACT: Ms. Elaine Butcher, 114 Crouse Hall, 330-972-7630, butch@uakron.edu

IN GENERAL:

The Bachelor of Science in Geophysics is intended for a student who plans to seek employment as a professional geophysicist, or who plans to enter graduate studies in geophysics or a related field.

OPPORTUNITIES:

Professional geologists and geophysicists follow a variety of careers within the general scope of geology. The search for petroleum, metallic and non-metallic mineral deposits, water supplies, and the investigation of environmental pollution, all come within the domain of the geologist and geophysicist. Petroleum companies, the mining industry, environmental consulting firms, U.S. Geological Survey, and the various state geological surveys are a few of the organizations that employ geologists and geophysicists.

Employment may be anywhere in the world. It may be of office type, all outside work, or a combination of both. It may be practical or research-oriented and it may require either much or little travel.

Salaries compare favorably with other scientists and engineers.

PLACEMENT:

A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

A student can arrange their inter-college transfer through an appointment with his/her advisor in the Center for Academic Advising & Student Success, Simmons 205, (330) 972-7430, or Center for Academic Advising & Student Success, Simmons 301, (330) 972-5723 or College of Applied Science and Technology, Polsky 301, (330) 972-7220, depending upon the advising office in which they reside.

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts and Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 47 credits of 300/400 level courses (excluding workshops and General Education courses) consisting of either:

- Upper level (300/400) courses both in and outside the student's major

- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops and General Education courses

GEOLOGY WEBSITES:

For careers in Geoscience visit: <http://www.earthscienceworld.org>

Ask-a-Geologist at <http://walrus.wr.usgs.gov/ask-a-geologist/>

U.S. Geological Survey at <http://www.usgs.gov>

Association of American State Geologists at <http://www.kgs.ukans.edu/AASG/AASG.html>

Link to other geology websites: <http://www.uakron.edu/colleges/artsci/depts/geology/links.php>

Environmental Science 337004BA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide found on page 5. The curriculum guide below on this page is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Department of Geosciences**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your Academic Advisor.

**Students are encouraged to visit the Geosciences Department their freshman year to obtain preliminary information regarding the program requirements and to learn more about on-campus opportunities available to students.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2015 OR LATER:

1 st Year	Fall Semester	Credit Hours	Prerequisites
3370:101	<i>Intro to Physical Geology Lecture & Lab</i> (Note a)	4	
	<i>English Composition I Requirement</i> (Note h)	3	Appropriate placement by advisor
	<i>Speech / Oral Communication Requirement</i>	3	
or 7700:101	Beginning Language I	4	
	-OR- Beginning Sign Language (Note c)	or 3	
	<i>Social Science Requirement</i> (Note e)	3	
Total		16-17	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3450:149	<i>Pre-Calculus</i> (Note b)	4	3450:145 or appropriate placement by advisor
	<i>English Composition II Requirement</i> (Note h)	3	3300:111 or equivalent
7700:102	Beginning Language II	4	Beginning Language I
	-OR- American Sign Language II	or 3	or 7700:101
	<i>Social Science Requirement</i> (Note e)	3	
	<i>Physical Education/Wellness Requirement</i>	1	
Total		14-15	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3400:210	<i>Humanities in the Western Tradition</i>	4	32 credits & 3300:112 or equivalent
or 3400:221	-OR- <i>Humanities in the World Since 1300</i>		32 credits & 3300:112 or equivalent
3100:111	Principles of Biology I Lecture & Lab	4	3150:151, prerequisite or corequisite
3150:151	Principles of Chemistry I Lecture & Recitation	3	Placement in 3450:149 or higher
3150:152	Principles of Chemistry I Laboratory	1	3150:151, prerequisite or corequisite
7700:201	Intermediate Language I	3	Beginning Language II
	-OR- American Sign Language III		or 7700:102
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3370:231	Silicate Mineralogy and Petrology	4	3370:101; 3150:151, 3150:152 prerequisite

	(Spring term only)		or corequisite
3100:112	Principles of Biology II Lecture & Lab	4	3100:111 with a C- or better
	Intermediate Language II	3	Beginning Language II
7700:202	-OR- American Sign Language IV -AND	3	or 7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students only
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Humanities Elective Requirement</i>	3	
Total		16-18	

3rd Year Fall Semester

3370:452	Geology & Environmental Sci. Service Learning	1-4	Permission of Instructor
or	-OR-	or	
3370:453	Geology Field Camp I	3	3370:101 and 102 and permission
	<i>Humanities Requirement</i>	3	
3370:3/4xx	Upper level Geology electives (Note f)	6	
3370:3/4xx	Upper level Science electives (Note d)	2	
3370:xxx	Geology elective (Note f)	3	
Total		15-18	

3rd Year Spring Semester

3370:310	Geomorphology	3	3370:101
xxxx:3/4xx	Upper level Science Elective (Note d)	3	
3370:3/4xx	Upper level Geology electives (Note f)	9	
Total		15	

3rd Year Summer Semester

3370:453	Geology Field Camp I	3	3370:101 and 102 and permission
or	-OR-	or	
3370:452	Geology & Environmental Sci. Service Learning	1-4	Permission of Instructor
Total		1-4	

4th Year Fall Semester

	<i>Area Studies/Cultural Diversity Requirement</i>	2	
xxxx:3/4xx	Upper level Science Elective (Note d)	3	
xxxx:3/4xx	Upper level Electives (Note d)	3	
	Electives	5	
Total		13	

4th Year Spring Semester

3370:3/4xx	Upper level Geology electives (Note f)	3	
	Upper level Electives (Note d)	5	
	Electives	4	
Total		12	

	Minimum Total Credits for Degree	120min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- 3370:101; Introductory Physical Geology Strongly Preferred, OR 3370:100; Earth Science, OR 3370:200; Environmental Geology; OR (by permission only) 3370:211; Introduction to Environmental Science AND 3370:104; Exercises in Physical Geology.**
- All Geology majors should take the Math Placement Test. The B.A. requirement is 3450:149; Precalculus.

- c. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- d. B.A. degree requires completion of at least 8 credits from the following and these options can satisfy the upper level requirement for Arts & Sciences as well (300/400 level): 3100:217; General Ecology, 3150:153; Principles of Chemistry II, 3150:154; Qualitative Analysis, 3650:291/292; Elementary Classical Physics I and II, 3450:221, 222; Analytical Geometry-Calculus I & II.
- e. Introduction to Geography and 3240:100; Introduction to Archaeology recommended.
- f. Departmental electives: at least 18 credits with a minimum of 11 credits at the 300/400 level. Up to 8 credits may be selected from the Environmental Studies Certificate electives list. Please contact a Department of Geology & Environmental Science adviser to discuss alternatives.
- g. General electives can be any course not already required by your major and Upper Level (300/400) electives can be any course in or outside your major excluding workshops.
- h. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.

GEOSCIENCES CONTACT: Ms. Elaine Butcher, 114 Crouse Hall, 330-972-7630, butch@uakron.edu

IN GENERAL: The Bachelor of Science or the Bachelor of Arts: The B.S. degree is intended for a student who plans to seek employment as a professional geologist or who plans to enter graduate studies in geology, environmental science or engineering. The B.A. degree is for a student who has strong interest in the geological sciences, and who wishes to take a larger number of electives than is compatible with the B.S program. The B.A. program has fewer math and science requirements and is not designed for a student who intends to seek admission to a graduate program in geology or seek employment as a professional geologist. The B.A. program is for students who seek employment in a geology or environmental science related field, and education. It also is appropriate for students who plan to enter graduate studies in a non-science field such as law school, geography, planning or public administration.

OPPORTUNITIES: Environmental scientists follow a variety of careers within the general scope of environmental science. Many work for environmental companies or state agencies monitoring and solving potential and real pollution problems. These include conducting biological or water quality surveys of surface waters such as streams or lakes. Others work with engineers in evaluating sustainability plans such as waste stream mining in factories of major industries. Still others may become employed in grant proposal writing for recycling, sustainability, or other "green" programs.

Employment may be anywhere in the world. It may be of office type, all outside work, or a combination of both. It may be practical or research-oriented and it may require either much or little travel. Salaries compare favorably with other scientists and engineers.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 40 credits (excluding workshops) consisting of either:

- Upper-level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops

PLACEMENT: A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

Environmental Science 337004BA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide below on this page. The curriculum guide above is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Department of Geosciences**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your Academic Advisor.

**Students are encouraged to visit the Geosciences Department their freshman year to obtain preliminary information regarding the program requirements and to learn more about on-campus opportunities available to students.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM PRIOR TO FALL 2015:

1 st Year	Fall Semester	Credit Hours	Prerequisites
3370:101	<i>Intro to Physical Geology Lecture & Lab</i> (Note a)	4	
	<i>English Composition I Requirement</i> (Note h)	3	Appropriate placement by advisor
	<i>Speech / Oral Communication Requirement</i>	3	
or 7700:101	Beginning Language I	4	
	-OR- Beginning Sign Language (Note c)	3	
	<i>Social Science Requirement</i> (Note e)	3	
Total		16-17	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3450:149	<i>Pre-Calculus</i> (Note b)	4	3450:145 or appropriate placement by advisor
	<i>English Composition II Requirement</i> (Note h)	3	3300:111 or equivalent
7700:102	Beginning Language II	4	Beginning Language I
	-OR- American Sign Language II	3	7700:101
	<i>Social Science Requirement</i> (Note e)	3	
	<i>Physical Education/Wellness Requirement</i>	1	
Total		14-15	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3400:210	<i>Humanities in the Western Tradition</i>	4	32 credits & 3300:112 or equivalent
or 3400:221	-OR- <i>Humanities in the World Since 1300</i>		32 credits & 3300:112 or equivalent
3100:111	Principles of Biology I Lecture & Lab	4	3150:151, prerequisite or corequisite
3150:151	Principles of Chemistry I Lecture & Recitation	3	Placement in 3450:149 or higher
3150:152	Principles of Chemistry I Laboratory	1	3150:151, prerequisite or corequisite
7700:201	Intermediate Language I	3	Beginning Language II
	-OR- American Sign Language III		or 7700:102
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3370:231	Silicate Mineralogy and Petrology (Spring term only)	4	3370:101; 3150:151, 3150:152 prerequisite or corequisite

3100:112	Principles of Biology II Lecture & Lab	4	3100:111 with a C- or better
	Intermediate Language II	3	Beginning Language II
	-OR-	or	or
7700:202	American Sign Language IV -AND	3	7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students only
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Humanities Elective Requirement</i>	3	
Total		16-18	

3rd Year Fall Semester

3370:452	Geology & Environmental Sci. Service Learning	1-4	Permission of Instructor
	-OR-	or	
3370:453	Geology Field Camp I	3	3370:101 and 102 and permission
	<i>Humanities Requirement</i>	3	
3370:3/4xx	Upper level Geology electives (Note f)	6	
3370:3/4xx	Upper level Science electives (Note d)	2	
3370:xxx	Geology elective (Note f)	3	
Total		15-18	

3rd Year Spring Semester

3370:310	Geomorphology	3	3370:101
xxxx:3/4xx	Upper level Science Elective (Note d)	3	
3370:3/4xx	Upper level Geology electives (Note f)	9	
Total		15	

3rd Year Summer Semester

3370:453	Geology Field Camp I	3	3370:101 and 102 and permission
	-OR-	or	
3370:452	Geology & Environmental Sci. Service Learning	1-4	Permission of Instructor
Total		1-4	

4th Year Fall Semester

	<i>Area Studies/Cultural Diversity Requirement</i>	2	
xxxx:3/4xx	Upper level Science Elective (Note d)	3	
xxxx:3/4xx	Upper level Electives (Note d)	6	
	Electives	6	
Total		17	

4th Year Spring Semester

3370:3/4xx	Upper level Geology electives (Note f)	3	
	Upper level Electives (Note d)	9	
	Electives	4	
Total		16	

	Minimum Total Credits for Degree	128 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

- NOTES:**
- 3370:101; Introductory Physical Geology Strongly Preferred, OR 3370:100; Earth Science, OR 3370:200; Environmental Geology; OR (by permission only) 3370:211; Introduction to Environmental Science AND 3370:104; Exercises in Physical Geology.
 - All Geology majors should take the Math Placement Test. The B.A. requirement is 3450:149; Precalculus.
 - Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.

- d. B.A. degree requires completion of at least 8 credits from the following and these options can satisfy the upper level requirement for Arts & Sciences as well (300/400 level): 3100:217; General Ecology, 3150:153; Principles of Chemistry II, 3150:154; Qualitative Analysis, 3650:291/292; Elementary Classical Physics I and II, 3450:221, 222; Analytical Geometry-Calculus I & II.
- e. Introduction to Geography and 3240:100; Introduction to Archaeology recommended.
- f. Departmental electives: at least 18 credits with a minimum of 11 credits at the 300/400 level. Up to 8 credits may be selected from the Environmental Studies Certificate electives list. Please contact a Department of Geology & Environmental Science adviser to discuss alternatives.
- g. General electives can be any course not already required by your major and Upper Level (300/400) electives can be any course in or outside your major excluding General Education courses and workshops.
- h. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.

GEOSCIENCES CONTACT: Ms. Elaine Butcher, 114 Crouse Hall, 330-972-7630, butch@uakron.edu

IN GENERAL: The Bachelor of Science or the Bachelor of Arts: The B.S. degree is intended for a student who plans to seek employment as a professional geologist or who plans to enter graduate studies in geology, environmental science or engineering. The B.A. degree is for a student who has strong interest in the geological sciences, and who wishes to take a larger number of electives than is compatible with the B.S program. The B.A. program has fewer math and science requirements and is not designed for a student who intends to seek admission to a graduate program in geology or seek employment as a professional geologist. The B.A. program is for students who seek employment in a geology or environmental science related field, and education. It also is appropriate for students who plan to enter graduate studies in a non-science field such as law school, geography, planning or public administration.

OPPORTUNITIES: Environmental scientists follow a variety of careers within the general scope of environmental science. Many work for environmental companies or state agencies monitoring and solving potential and real pollution problems. These include conducting biological or water quality surveys of surface waters such as streams or lakes. Others work with engineers in evaluating sustainability plans such as waste stream mining in factories of major industries. Still others may become employed in grant proposal writing for recycling, sustainability, or other “green” programs.

Employment may be anywhere in the world. It may be of office type, all outside work, or a combination of both. It may be practical or research-oriented and it may require either much or little travel. Salaries compare favorably with other scientists and engineers.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in “My Akron.”

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 47 credits (excluding workshops and General Education courses) consisting of either:

- Upper-level (300/400) courses both in and outside the student’s major
- Any courses outside the major department as specified in and approved by the student’s major department chair (permission should be obtained prior to enrollment) except workshops and General Education courses

PLACEMENT: A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

MATHEMATICS 34500BS

Bachelor of Science

The following information has official approval of the **Department of Mathematics**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education/>

1 st Year	Fall Semester	Credit Hours	Prerequisites
	<i>Writing Requirement</i> (Note b)	3	Appropriate placement by advisor
	<i>Social Science Requirement</i>	4	
	Beginning Language I (Note a)	4	
	-OR-	or	
7700:101	American Sign Language I	3	
3460:221	Analytic Geometry-Calculus I	4	3450:149 with a grade of C- or better or equivalent
Total		14-15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
	<i>Writing Requirement</i> (Note b)	3	3300:111 or equivalent
	Beginning Language II (Note a)	4	Beginning Language I
	-OR-	or	or
7700:102	American Sign Language II	3	7700:101
	<i>Social Science Requirement</i>	3	
	<i>Natural Science Requirement</i>	3	
3450:222	Analytic Geometry-Calculus II	4	3450:221 with a grade of C- or better or equivalent
Total		16-17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3450:223	Analytic Geometry-Calculus III	4	3450:222 with a grade of C- or better
3450:307	Fundamentals of Advanced Mathematics	3	3450:222 with a grade of C- or better
	Intermediate Language I (Note a)	3	Beginning Language II
	-OR-		or
7700:201	American Sign Language III		7700:102
	Free Elective Course (Note c)	3	
	<i>Speaking Requirement</i>	3	
Total		16	

2nd Year Spring Semester			
	Intermediate Language II (Note a) -OR-	3 or	Beginning Language II or
7700:202	American Sign Language IV -AND	3	7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students only
3450:312	Linear Algebra	3	3450:223 with a C- or better
3460:209	Computer Science I	4	3450:145 or 3450:149 or equivalent with a C- or better
	<i>Natural Science Requirement/Lab</i>	4	
Total		14-15	

3rd Year Fall Semester			
	<i>Art/Humanities Requirement</i>	3	
3450:411	Abstract Algebra I	3	3450:307 with a grade of C- or better
3450:421	Advanced Calculus I	3	3450:223 with C- or better; 3450:307 is highly recommended
xxxx:3xx/4xx	Upper Level Elective (Note c)	3	
	Free Elective (Note c)	3	
Total		15	

3rd Year Spring Semester			
	<i>Tier III (CT, CS, DD, GD) Requirement</i>	3	
	<i>Art/Humanities Requirement</i>	3	
3450:335	Introduction to Ordinary Differential Equations	3	3450:223 with a grade of C- or better
3450:412	Abstract Algebra II		3450:411 with a C- or better, or permission
or 3450:422	-OR- Advanced Calculus II	3	or 3450:421 with a grade of C- or better, or permission
xxxx:3xx/4xx	Upper Level Elective Course (Note c)	3	
	Free Elective (Note c)	3	
Total		18	

4th Year Fall Semester			
	<i>Art/Humanities Requirement</i>	3	
3470:450	Probability	3	3450:221
	-OR-	or	or
3470:451	Theoretical Statistics I	3	3450:223
	-OR-	or	or
3470:461	Applied Statistics	4	3450:222 or equivalent
xxxx:3xx/4xx	Upper Level Elective (Note c)	3	
	Free Elective (Note c)	3	
	Free Elective (Note c)	3	
Total		15-16	

4th Year Spring Semester			
xxxx:3xx/4xx	Upper Level Elective (Note c)	3	
	Free Elective (Note c)	3	
	Free Elective (Note c)	3	

	Free Elective (Note c)	3	
		3	
Total		15	

	Total Credits for Degree	120 minimum	
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Note:

- a. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- b. English Composition I, 3300:111 (English Composition I) or 2020:121 (English) fulfills the English Composition I requirement and English Composition II, 3300:112 (English Composition II) or 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- c. General electives can be any course not already required by your major and Upper Level (300/400) electives can be any course in or outside your major excluding General Education courses and workshops.

**Dr Kevin L Kreider Department Chair: Mathematics, Phone: 330/972-6121
Office: College of Arts and Sciences 220, Email: kreider@uakron.edu**

Web Address: www.math.uakron.edu

IN GENERAL: The recent rise in the field of automation and computing has been a significant factor in the greatly increased need for mathematicians at the Bachelor's level and especially at the higher degree levels. The physical and engineering sciences have been traditionally dependent upon mathematics, and, due to recent developments, a similar situation exists with the biological, behavioral, and social sciences. The early emphasis in college mathematics is on problem-solving, but this is later subordinated to the more important task of formulation of problems in mathematical language and in dealing with mathematical structures and abstract ideas. Hence, prospective mathematicians should plan to pursue college and graduate training to the highest level of which they are capable; i.e., a student obtaining a B average should plan to study for a Master's degree. JOB DESCRIPTION: I. Teaching - Job openings in teaching exist in junior high and high schools, in community or junior colleges, and in colleges and universities. These three have different requirements as to degree levels and subject matter taken as electives.

II. Industry - Industrial mathematicians are in demand, and it is estimated that many of them need training beyond a Bachelor's degree. Many courses of a theoretical nature are needed, but the primary concern of a mathematician in industry is the actual solution of problems. Particular types of jobs include consulting, research, operations research (for management decisions), and computing; and it is very desirable to have additional background in such fields as engineering, physics, chemistry, or economics.

III. Government - Government service (or service at a university working on a government contract as a mathematician immediately after undergraduate school) usually has some computational aspect, i.e., finding numerical solutions to routine problems. The level of work becomes more difficult, and the responsibility increases with experience and positions. In general, jobs are similar to those in industry. Some government jobs demand a working knowledge of languages. IV. Actuarial profession - This profession requires a competent mathematical and statistical ability, adequate economic and financial knowledge and wide social information. Most actuaries are hired by life insurance companies, and their primary concern is with calculating premium rates and preparing tables of death rates. However, there are casualty and fire actuaries and consulting actuaries/ the latter is often involved with pension plans, retirement, and welfare. A Bachelor's degree is very useful, and a broad business background is helpful.

V. Salary Level - The starting salary range for various degree levels depends on the job category, the employer, and the job locale. It appears to fluctuate with the cost of living; there is no particular starting salary. The starting salary for mathematicians with the B.S. degree is approximately \$50,000 per year.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of: a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA) a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA) 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

PLACEMENT: A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

COLLEGE OF ARTS & SCIENCES: Degree requirements in Arts & Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 47 credits of 300/400 level courses (excluding workshops and General Education courses) consisting of either: Upper level (300/400) courses both in and outside the student's major
 Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops and General Education courses

(Cowser)

COMPUTER SCIENCE 346006BS**Bachelor of Science in Computer Science-Management Track**

The following information has official approval of the **Department of Computer Science**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
	<i>English Composition I Requirement</i> (Note c)	3	Appropriate placement by advisor
	Beginning Language I	4	
	-OR-	or	
7700:101	American Sign Language I (Note a)	3	
3450:208	*Introduction to Discrete Mathematics (Note b)	4	3450:145 or 3450:149 with a C- or better or equivalent
3460:209	*Computer Science I	4	3450:145 or 3450:149 with a C- or better or equivalent
Total		14-15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
	<i>English Composition II Requirement</i> (Note c)	3	3300:111 or equivalent
	Beginning Language II	4	Beginning Language I
	-OR-	or	or
7700:102	American Sign Language II (Note a)	3	7700:101
3460:210	*Computer Science II	4	3450:208 and 3460:209 with a C- or better
3450:221	* <i>Analytic Geometry-Calculus I</i>	4	3450:149 with a C- or better or equivalent
	<i>Physical Education/Wellness Requirement</i>	1	
Total		15-16	

* **Preadmission Requirement** – must be completed prior to applying for admission into the Computer Science program.

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3450:222	Analytic Geometry-Calculus II	4	3450:221 with a C or better or equivalent
3460:475	Database Management	3	3460:210 with a C- or better
	Intermediate Language I	3	Beginning Language II
	-OR-		or
7700:201	American Sign Language III		7700:102
	Free Elective (Note d)	4	
	<i>Speech/ Oral Communication Requirement</i>	3	
Total		17	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
	Intermediate Language II	3	Beginning Language II
	-OR-	or	or
7700:202	American Sign Language IV -AND	3	7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students only
4450:320	Computer Systems	3	3460:209 or 4450:208, and 3450:208 or 4450:220
3460:316	Data Structures	3	3460:210 and 3450:221 or 3450:215 with a C- or better
3460:3xx /4xx	Upper level Computer Science Elective (Note d)	3	
	<i>Natural Science Requirement</i>	4	
Total		16-18	

3rd Year Fall Semester			
	<i>Humanities Requirement</i>	3	
	<i>Natural Science Requirement</i>	4	
3470:461 or 3470:401	Applied Statistics -OR- Probability and Statistics for Engineers	4 or 2	3450:222 or equivalent 3450:222 or equivalent
3460:426 or 4450:325	Operating Systems -OR- Operating Systems Concepts	3	3460:210 and 3460:306 or 4450:320 or equivalent with a C- or better or 4450:320 and 3460:210
6500:310	Business Information Systems	3	48 credits hours and 6200:250 or equivalent
Total		15-17	

3rd Year Spring Semester			
3400:210	<i>Humanities in the Western Tradition</i> -OR-	4	32 credits & 3300:112 or equivalent
3400:221	<i>Humanities in the World Since 1300</i>		32 credits & 3300:112 or equivalent
3460:480	Software Engineering	3	3460:210 with a C- or better
6500:301 or 6500:480	Management Principles and Concepts -OR- Introduction to Health-Care Management	3	Admitted into a degree granting college, 48 credits hours Admitted into a degree granting college, upper-college standing
	<i>Social Science Requirement</i>	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
Total		15	

4th Year Fall Semester			
	<i>Humanities Elective Requirement</i>	3	
3460:435	Algorithms	3	3460:316 with a C- or better
3460:3xx /4xx	Upper Level Computer Science Elective	3	
	<i>Social Science Requirement</i>	3	
	Free Elective (Note d)	4	
Total		16	

4th Year Spring Semester			
3460:490	Senior Seminar in Computer Science	3	At least 30 hours of 3460 (Computer Science) courses
3460:3xx /4xx	Upper Level Computer Science Elective	3	
3460:3xx /4xx	Upper Level Computer Science Elective	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	Free Elective	1-5	
Total		12-16	

	Total Credits for Degree	128 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. A continuing student who has not already completed Introduction to Computer Science, 3460:209, should take Discrete Mathematics first (3450:208) or as a corequisite. The correct mathematics sequence is as follows:

Discrete Mathematics

(*Precalculus may be required per placement test results.)

Analytic Geometry-Calculus I

Analytic Geometry-Calculus II

- b. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- c. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- d. General electives can be any course not already required by your major and Upper Level (300/400) electives can be any course in or outside your major excluding General Education courses and workshops.

**Interim Chair of the Department of Computer Science – Dr. David Steer, 330-972-2099 E-mail: steer@uakron.edu
Web Address: www.cs.uakron.edu**

IN GENERAL:

Since 1951 when the first computer was installed for commercial use, computer systems have become increasingly important to everyday life. Today these machines bill customers, register students, record airline and hotel reservations, and monitor factory production processes. Scientific and engineering research relies on computer systems to solve complex equations as well as to collect, store and sort vast amounts of data. Indeed, the entire space exploration effort would be impossible without reliable computers. The field of computer science is relatively young and is expected to enjoy continued growth through the next decade. A graduate with good credentials can expect to find a wide range of potential employers. It is important for the student in Computer Science to be dedicated to acquisition of the knowledge and skill of the expert and to enjoy problem-solving in detail. As good as some of the new machines are, they are only as good as the people behind them.

SALARY LEVEL:

The starting salary range depends on the job category, the employer, and the job locale. It appears to fluctuate with the cost of living but is equal to that for engineers (approximately \$4,400 per month).

PLACEMENT:

A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 47 credits of 300/400 level courses (excluding workshops and General Education courses) consisting of either:

- Upper level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops and General Education courses

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ completion of 3450:208, 3450:221, 3460:209, and 3460:210
- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

(Bonko)

Buchtel College of Arts and Sciences

Criminal Justice Studies: Corrections 380011AAS

Associate of Applied Science Degree

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements.

http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement test or a grade of C or better in 2010:042
	<i>Physical Education</i> (Note c)	1	
2030:161	<i>Math for Modern Technology</i>	4	Placement test or a grade of C or better in 2010:052
3800:100	Introduction to Criminal Justice	3	
3850:100	<i>Introduction to Sociology</i>	3	
Total		14	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2420:263	<i>Professional Communications and Presentations –OR–</i>	3	2020:121 or 3300:111 for all courses
7600:106	<i>Effective Oral Communication –OR–</i>		
7600:105	<i>Introduction to Public Speaking</i>		
3800:270	Community Corrections	3	3800:100
3800:103	Introduction to Corrections	3	3800:100
3800:106	Juvenile Justice Process	3	3800:100
2820:105	Basic Chemistry/ Lab	3	Placement test
	Elective: Any	2	
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2020:222	<i>Technical Report Writing</i>	3	2020:121 or equivalent
2040:240	<i>Human Relations</i>	3	
3800:275	Legal Aspects of Corrections (Note a)	3	3800:100
2260:260	Introduction to Addiction	3	
2260:255	Effective Workplace Relationships (Note a)	3	
3800:XXX	Technical Elective	3	3800:100
Total		18	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2040:242	<i>American Urban Society</i>	3	
3800:298	Applied Ethics in Criminal Justice	3	3800:100
3800:260	Critical Incident Interventions for Criminal Justice	3	3800:100
2260:262	Basic Helping Skills	4	
2260:269	Criminal Justice and Addiction (Note b)	3	
Total		16	

	Total Credits for Degree	65 minimum	
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POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTES

- a. Traditionally offered Fall only
- b. Traditionally offered Spring only
- c. General Education requirements <http://www.uakron.edu/advising/docs/GEN-EDUC.pdf>

PROGRAM CONTACT

Dr. David Licate, Professor and Program Coordinator for Criminal Justice Studies, 330-972-7392, licate@uakron.edu

PROGRAM INFORMATION

The Criminal Justice program develops critical thinking, problem solving techniques, effective communications and the ability to use technology while examining crime and the methods used to prevent it, as well as investigate and punish those who violate the law. It provides a professional perspective of the Criminal Justice field, including policing, corrections and security administration. The corrections option in the criminal justice program prepares students for a career in corrections. This option provides students with valuable learning experiences in dealing with multiple issues in corrections and criminal justice.

CAREER INFORMATION

- Parole Officer- Supervise offenders who have been released from jail or prison. They may oversee community service or work responsibilities, including responsibility for released inmate's re-integration to the community. Parole officers are in charge of seeing that recently-freed inmates adjust appropriately in society.
- Probation Officer – Supervise offenders who are awaiting trial, or serving a sentence in the community, rather than in jail or prison.
- Corrections Treatment Specialist – Serve as treatment specialists, or case managers, work with inmates and probation officers.
- Corrections Officer -Corrections officers work directly with inmates. The chief duty of corrections officers is to maintain order in jails and prisons.
- Court Services Officer- also referred to as bailiffs, court services officers provide police services to the courts. They handle security issues and physical disturbances that take place within the courts.
- Please visit the Bureau of Labor Statistics for updated information <http://www.bls.gov/>

BACHELOR DEGREE OPTIONS

- Continue your study in the Buchtel College of Artto obtain an Emergency Management and Homeland Security Bachelor of Science degree.
- Continue your study in the College of Applied Science & Technology to obtain an Organization Supervision Bachelor degree
- Transfer to the Buchtel College of Arts and Sciences to obtain a Political Science/Criminal Justice Bachelor of Science degree.

(Tucker)Licate

BUCHTEL COLLEGE OF ARTS AND SCIENCES

CRIMINAL JUSTICE STUDIES:

Public Safety and Security Administration 380012AAS

Associate of Applied Science Degree

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements.

http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement test or a grade of C or better in 2010:042
5550:211	<i>First Aid and CPR</i>	2	
2030:161	<i>Math for Modern Technology</i>	4	Placement test or a grade of C or better in 2010:052
3800:100	Introduction to Criminal Justice	3	
3800:101	Introduction to Security Administration Technology	3	
	Elective: Any	1	
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2020:222	<i>Technical Report Writing</i>	3	2020:121 or equivalent
2040:240	<i>Human Relations</i>	3	
3800:231	Physical Security: Systems, Design and Control (Note b)	3	3800:101
2420:104	Introduction to Business in the Global Environment	3	
3800:234	Computer and Information Security (Note b)	3	3800:101
3800:XXX	Technical Elective	3	3800:100
Total		18	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3800:233	Security Investigations: Principles and Practice (Note a)	3	3800:101
3800:232	Legal Issues in Security Administration (Note a)	3	3800:101
2230:100	Introduction to Fire Protection	4	
2040:256	<i>Diversity in American Society</i>	2	2020:121 or equivalent
2235:305	Principles of Emergency Management	3	
2230:257	Fire and Safety Issues for Business and Industry	3	
Total		18	

2 nd Year		Spring Semester	
3800:245	Homeland Security: Principles and Practice (Note b)	3	
2235:490	Current Topics: Emergency Management (Note b)	3	2235:305
2420:263	<i>Professional Communications and Presentations</i>	3	2020:121 or equivalent
2230:250	Hazardous Materials	4	2230:100
3800:XXX	Technical Elective	3	3800:100
Total		16	

Total Credits for Degree		68	
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POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTES

- a. Traditionally offered Fall only
- b. Traditionally offered Spring only

PROGRAM CONTACT

Dr. David Licate, Professor and Program Coordinator for Criminal Justice Studies, 330-972-7392, licate@uakron.edu

PROGRAM INFORMATION

The Criminal Justice program develops critical thinking, problem solving techniques, effective communications and the ability to use technology while examining crime and the methods used to prevent it, as well as investigate and punish those who violate the law. It provides a professional perspective of the Criminal Justice field, including policing, corrections and security administration. Social events and technological innovations have increased the demand for well-educated security professionals to meet emerging threats. This program provides a strong foundation in safety and security administration concepts, practice, and disciplines while allowing the student to explore specific topics such as computer and information security, homeland security, medical facility security, loss prevention, airport security, and security investigations. The program is intended for those seeking careers, or career advancement, in both private and public safety and security functions.

CAREER INFORMATION

- Employment opportunities are available in the field of physical security, information security, personnel security, information systems security, homeland security, and critical infrastructure protection.
- Graduates may find entry and mid-level security employment opportunities in: banking and financial services, healthcare, insurance, manufacturing, educational and cultural institutions, retail loss prevention, transportation, utilities and nuclear, insurance, telecommunications, and executive protection.
- Graduates are also prepared for entry-level positions in security engineering and design, security investigations, security equipment sales and services, terrorism counteraction, contingency planning, and crisis management.
- Please visit the Bureau of Labor Statistics for updated information <http://www.bls.gov/>

BACHELOR DEGREE OPTIONS

- Continue your study in the College of Applied Science & Technology to obtain an Emergency Management and Homeland Security Bachelor of Science degree.
- Continue your study in the College of Applied Science & Technology to obtain an Organization Supervision Bachelor degree.
- Transfer to the Buchtel College of Arts and Sciences to obtain a Political Science/Criminal Justice Bachelor of Science degree.

(Tucker)Licate

Buchtel College of Arts and Sciences

CRIMINAL JUSTICE STUDIES: Law Enforcement 380016AAS

Associate of Applied Science Degree

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. [http://www.uakron.edu/advising/docs/General Education Guide.pdf](http://www.uakron.edu/advising/docs/General_Education_Guide.pdf).

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement test or a grade of C or better in 2010:042
	<i>Physical Education (Note a)</i>	1	
2030:161	<i>Math for Modern Technology</i>	4	Placement test or a grade of C or better in 2010:052
3800:100	Introduction to Criminal Justice	3	
3850:100	<i>Introduction to Sociology</i>	3	
	Elective: Any	2	
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
7600:106	<i>Effective Oral Communications</i>	3	
3800:102	Principles of Criminal Law	3	3800:100
3800:104	Evidence and Criminal Legal Process	3	3800:100
3800:105	Introduction to Police Studies	3	3800:100
2820:105	Basic Chemistry/ Lab	3	Placement test
Total		15	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2020:222	<i>Technical Report Writing</i>	3	2020:121 or equivalent
2040:240	<i>Human Relations</i>	3	
3800:298	Applied Ethics in Criminal Justice	3	3800:100
3800:XXX	Technical Elective	6	3800:100
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2040:242	<i>American Urban Society</i>	3	
3800:253	Basic Forensic Methods	3	3800:100 and 2820:105
3800:260	Critical Incident Interventions for Criminal Justice	3	3800:100
3800:251	Criminal Investigation	3	3800:100
3800:XXX	Technical Elective	6	3800:100
Total		18	

Total Credits for Degree	64
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POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your **REQUIRED** General Education English, Math, and Communications (Speech) requirements.

YOU MUST HAVE A MINIMUM CUMULATIVE GPA OF 2.0 TO GRADUATE WITH THIS DEGREE

NOTES

- a. General Education requirements - http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

PROGRAM CONTACT

Dr. David Licate, Professor and Program Coordinator for Criminal Justice Studies, 330-972-7392, licate@uakron.edu

PROGRAM INFORMATION

The Criminal Justice program develops critical thinking, problem solving techniques, effective communications and the ability to use technology while examining crime and the methods used to prevent it, as well as investigate and punish those who violate the law. It provides a professional perspective of the Criminal Justice field, including policing, corrections and security administration. The Law Enforcement Option of the Criminal Justice Technology Program emphasizes the police and investigator's role in the process of investigating, prosecuting, and punishing those who violate the criminal law. This option is intended for both practitioners and persons entering the field.

CAREER INFORMATION

- Police Officer- Additional training is required. See your advisor for more information.
- Court Services Officer- also referred to as bailiffs, court services officers provide police services to the courts. They handle security issues and physical disturbances that take place within the courts.
- Parole Officer-Supervises offenders who have been released from jail or prison. Oversee community service or work responsibilities. Oversee recently-freed inmates.
- Probation Officer -Probation officers supervise offenders who are awaiting trial, or serving a sentence in the community, rather than in jail or prison.
- Private Investigators work in the private sector or in police departments. Additional training and certification may be required.
- Crime Scene Technician
- Crime Intelligence Analyst
- Please visit the Bureau of Labor Statistics for updated information <http://www.bls.gov/>

BACHELOR DEGREE OPTIONS

- Continue your study in the College of Applied Science & Technology to obtain an Emergency Management and Homeland Security Bachelor of Science degree.
- Continue your study in the College of Applied Science & Technology to obtain an Organization Supervision Bachelor degree.
- Transfer to the College of Arts and Sciences to obtain a Political Science/Criminal Justice Bachelor of Science degree.

(Tucker)Licate

SOCIOLOGY 38500BA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide found on page 4. The curriculum guide below on this page is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Department of Sociology**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2015 OR LATER:

1 st Year	Fall Semester	Credit Hours	Prerequisites
3850:100	<i>Introduction to Sociology</i> (<i>Social Science Requirement</i>)	3	
	Beginning Language I (Note a)	4	
	-OR-	or	
7700:101	American Sign Language I	3	
	<i>English Composition I Requirement</i> (Note b)	3	Appropriate placement by advisor
	<i>Mathematics Requirement</i>	3	Appropriate placement by advisor
	<i>Physical Education Requirement</i>	1	
Total		13-14	

1 st Year	Spring Semester	Credit Hours	Prerequisites
	<i>English Composition II Requirement</i> (Note b)	3	English Composition I Requirement
	Beginning Language II	4	Beginning Language I
	-OR-	or	or
7700:102	American Sign Language II (Note a)	3	7700:101
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>Social Science Requirement</i>	3	
	<i>Natural Science Requirement</i>	4	
Total		16-17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3850:3/4xx	Upper-Level Sociology elective (Note c)	3	
	<i>Natural Science Requirement</i>	4	
	Intermediate Language I	3	Beginning Language II
	-OR-	or	or
7700:201	American Sign Language III	3	7700:102
3400:210	<i>Humanities in the Western Tradition</i>	4	32 credits completed & 3300:112 or equivalent
or	-OR-	or	or
3400:221	<i>Humanities in the World since 1300</i>	4	32 credits completed & 3300:112 or equivalent
	<i>Area Studies & Cultural Diversity Requirement</i>	2	
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3850:3/4xx	Upper-Level Sociology elective (Note c)	3	
	<i>Humanities Requirement</i>	3	
	<i>Area Studies & Cultural Diversity Requirement</i>	2	
	Intermediate Language II	3	Intermediate Language I
	-OR-	or	or
7700:202	American Sign Language IV -AND	3	7700:201

7700:222	Survey of Deaf Culture in America	2	Sign Language students only
	Free Electives (Note d)	3	
Total		14-16	

3rd Year Fall Semester

3850:301	Methods of Social Research I	3	3850:100 and math requirement
	<i>Humanities Requirement</i>	3	
3850:3/4xx	Upper Level Sociology elective (Note c)	3	
xxxx:3/4xx	Upper Level Electives (Note d)	2	
	Free Elective (Note d)	5	
Total		16	

3rd Year Spring Semester

3850:302	Methods of Social Research II	3	3850:100, 3850:301, and math requirement
3850:3/4xx	Upper Level Sociology elective (Note c)	3	
xxxx:3/4xx	Upper Level Electives (Note d)	3	
xxxx:3/4xx	Upper Level Electives (Note d)	3	
	Free Elective (Note d)	3	
Total		15	

4th Year Fall Semester

3850:460	Sociological Theory	3	3850:100 or permission
3850:3/4xx	Upper Level Sociology elective (Note c)	3	
xxxx:3/4xx	Upper Level Electives (Note d)	3	
xxxx:3/4xx	Upper Level Electives (Note d)	3	
	Free Elective (Note d)	3	
Total		15	

4th Year Spring Semester

3850:3/4xx	Upper Level Sociology elective (Note c)	3	
xxxx:3/4xx	Upper Level Electives (Note d)	3	
	Free Elective (Note d)	3	
	Free Elective (dependent on amount of credits already completed) (Note d)	4	
Total		13	

	Minimum Total Credits for Degree	120	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- b. English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English Requirement. 2020:121 (English) fulfills the English Composition I requirement. English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- c. Upper-Level Sociology electives can be any 300/400 level Sociology course not already required by your major.
- d. Free electives can be any course not already required by your major and upper-level electives can be any course (300/400 level) in or outside the student's major, excluding workshops. Because of the amount of free and upper level electives available for this major, it is encouraged to focus on a specific area of interest. Please consult with the University of Akron website, the Undergraduate Bulletin, and your Academic Advisor about possible minor options.

Sociology Advising: Olin 247D, (330) 972-7481.

Advising e-mail: socadvising@uakron.edu

Web address: www.uakron.edu/sociology

The major requires 30 credits of Sociology (3850) courses. All majors take the following four classes:

3850:100 Introduction to Sociology (3 credits)

3850:301 Methods of Social Research I (3 credits - only offered fall semester)

3850:302 Methods of Social Research II (3 credits - only offered spring semester)

3850:460 Sociological Theory (3 credits)

FURTHER INFORMATION: A student wishing to discuss this major is urged to make an appointment through the web at socadvising@uakron.edu or by calling (330) 972-7481.

INTERSHIPS: Internships are an excellent way to build experience, explore careers, and make connections to find employment. To find out about internships, contact the Career Center, located in Student Union 211, at (330) 972- 7747. Students may also contact the sociology department at (330) 972-7481 and ask for the Internship Coordinator. Information is also posted on the Internship & Career Opportunities bulletin board by the Sociology Department (Olin Room 247).

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.2 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

A student can arrange their inter-college transfer through an appointment with his/her advisor in the Center for Academic Advising & Student Success, Simmons 205, (330) 972-7430, or Center for Academic Advising & Student Success, Simmons 301, (330) 972-5723 or College of Applied Science and Technology, Polsky 301, (330) 972-7220, depending upon the advising office in which they reside.

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 40 credits (excluding workshops) consisting of either:

- Upper-level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops

SOCIOLOGY 385000BA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide below on this page. The curriculum guide above is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Department of Sociology**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM PRIOR TO FALL 2015:

1 st Year	Fall Semester	Credit Hours	Prerequisites
3850:100	<i>Introduction to Sociology</i> (<i>Social Science Requirement</i>)	3	
	Beginning Language I (Note a)	4	
	-OR-	or	
7700:101	American Sign Language I	3	
	<i>English Composition I Requirement</i> (Note b)	3	Appropriate placement by advisor
	<i>Mathematics Requirement</i>	3	Appropriate placement by advisor
	<i>Physical Education Requirement</i>	1	
Total		13-14	

1 st Year	Spring Semester	Credit Hours	Prerequisites
	<i>English Composition II Requirement</i> (Note b)	3	English Composition I Requirement
	Beginning Language II	4	Beginning Language I
	-OR-	or	or
7700:102	American Sign Language II (Note a)	3	7700:101
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>Social Science Requirement</i>	3	
	<i>Natural Science Requirement</i>	4	
Total		16-17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3850:3/4xx	Upper-Level Sociology elective (Note c)	3	
	<i>Natural Science Requirement</i>	4	
	Intermediate Language I	3	Beginning Language II
	-OR-	or	or
7700:201	American Sign Language III	3	7700:102
3400:210	<i>Humanities in the Western Tradition</i>	4	32 credits completed & 3300:112 or equivalent
or	-OR-	or	or
3400:221	<i>Humanities in the World since 1300</i>	4	32 credits completed & 3300:112 or equivalent
	<i>Area Studies & Cultural Diversity Requirement</i>	2	
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3850:3/4xx	Upper-Level Sociology elective (Note c)	3	
	<i>Humanities Requirement</i>	3	
	<i>Area Studies & Cultural Diversity Requirement</i>	2	
	Intermediate Language II	3	Intermediate Language I
	-OR-	or	or
7700:202	American Sign Language IV -AND	3	7700:201

7700:222	Survey of Deaf Culture in America	2	Sign Language students only
	Free Electives (Note d)	3	
Total		14-16	

3rd Year Fall Semester

3850:301	Methods of Social Research I	3	3850:100 and math requirement
	<i>Humanities Requirement</i>	3	
3850:3/4xx	Upper Level Sociology elective (Note c)	3	
xxxx:3/4xx	Upper Level Electives (Note d)	3	
	Free Elective (Note d)	6	
Total		18	

3rd Year Spring Semester

3850:302	Methods of Social Research II	3	3850:100, 3850:301, and math requirement
3850:3/4xx	Upper Level Sociology elective (Note c)	3	
xxxx:3/4xx	Upper Level Electives (Note d)	3	
xxxx:3/4xx	Upper Level Electives (Note d)	3	
	Free Elective (Note d)	3	
Total		15	

4th Year Fall Semester

3850:460	Sociological Theory	3	3850:100 or permission
3850:3/4xx	Upper Level Sociology elective (Note c)	3	
xxxx:3/4xx	Upper Level Electives (Note d)	3	
xxxx:3/4xx	Upper Level Electives (Note d)	3	
	Free Elective (Note d)	3	
Total		15	

4th Year Spring Semester

3850:3/4xx	Upper Level Sociology elective (Note c)	3	
xxxx:3/4xx	Upper Level Electives (Note d)	3	
xxxx:3/4xx	Upper Level Electives (Note d)	3	
xxxx:3/4xx	Upper Level Electives (Note d)	3	
	Free Elective (Note d)	3	
	Free Elective (dependent on amount of credits already completed) (Note d)	3	
Total		18	

	Minimum Total Credits for Degree	128	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- e. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- f. English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English Requirement. 2020:121 (English) fulfills the English Composition I requirement. English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- g. Upper-Level Sociology electives can be any 300/400 level Sociology course not already required by your major.

- h. Free electives can be any course not already required by your major and upper-level electives can be any course (300/400 level) in or outside the student's major, excluding General Education courses or workshops. Because of the amount of free and upper level electives available for this major, it is encouraged to focus on a specific area of interest. Please consult with the University of Akron website, the Undergraduate Bulletin, and your Academic Advisor about possible minor options.

Sociology Advising: Olin 247D, (330) 972-7481.

Advising e-mail: socadvising@uakron.edu

Web address: www.uakron.edu/sociology

The major requires 30 credits of Sociology (3850) courses. All majors take the following four classes:

3850:100 Introduction to Sociology (3 credits)

3850:301 Methods of Social Research I (3 credits - only offered fall semester)

3850:302 Methods of Social Research II (3 credits - only offered spring semester)

3850:460 Sociological Theory (3 credits)

FURTHER INFORMATION: A student wishing to discuss this major is urged to make an appointment through the web at socadvising@uakron.edu or by calling (330) 972-7481.

INTERNSHIPS: Internships are an excellent way to build experience, explore careers, and make connections to find employment. To find out about internships, contact the Career Center, located in Student Union 211, at (330) 972- 7747. Students may also contact the sociology department at (330) 972-7481 and ask for the Internship Coordinator. Information is also posted on the Internship & Career Opportunities bulletin board by the Sociology Department (Olin Room 247).

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.2 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

A student can arrange their inter-college transfer through an appointment with his/her advisor in the Center for Academic Advising & Student Success, Simmons 205, (330) 972-7430, or Center for Academic Advising & Student Success, Simmons 301, (330) 972-5723 or College of Applied Science and Technology, Polsky 301, (330) 972-7220, depending upon the advising office in which they reside.

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 47 credits (excluding workshops and General Education courses) consisting of either:

- Upper-level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops and General Education courses

SOCIOLOGY/CRIMINOLOGY & LAW ENFORCEMENT

385007BA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide found on page 4. The curriculum guide below on this page is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Department of Sociology**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2015 OR LATER:

1 st Year	Fall Semester	Credit Hours	Prerequisites
3850:100	<i>Introduction to Sociology</i> (<i>Social Science Requirement</i>)	3	
	Beginning Language I (Note b)	4	
	-OR-	or	
7700:101	American Sign Language I	3	
	<i>English Composition I Requirement</i> (Note a)	3	Appropriate placement by advisor
	<i>Mathematics Requirement</i>	3	Appropriate placement by advisor
	<i>Physical Education Requirement</i>	1	
	Free Elective (Note c)	1	
Total		14-15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
	English Composition II Requirement (Note a)	3	English Composition I Requirement
	Beginning Language II (Note b)	4	Beginning Language I
	-OR-	or	or
7700:102	American Sign Language II	3	7700:101
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>Social Science Requirement</i>	3	
	<i>Natural Science Requirement</i>	4	
Total		16-17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3850:320	Social Inequalities	3	3850:100 or permission
	<i>Natural Science Requirement</i>	4	
	Intermediate Language I	3	Beginning Language II
	-OR-	or	or
7700:201	American Sign Language III	3	7700:102
	<i>Humanities Requirement</i>	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3850:330	Criminology	3	3850:100
	<i>Humanities Requirement</i>	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	Intermediate Language II	3	Intermediate Language I
	-OR-	or	or
7700:202	American Sign Language IV -AND	3	7700:201

7700:222	Survey of Deaf Culture in America	2	Sign Language students only
	Free Elective (Note c)	3	
Total		14-16	

3rd Year		Fall Semester	
3850:301	Methods of Social Research I	3	3850:100 and math requirement
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World since 1300</i>	4	32 credits completed & 3300:112 or equivalent 32 credits completed & 3300:112 or equivalent
3850:431	Corrections	3	3850:330 or 3850:430
	Free Elective (Note c)	6	
Total		16	

3rd Year		Spring Semester	
3850:302	Methods of Social Research II	3	3850:100, 3850:301, and math requirement
3850:433	Deviant Behavior	3	3850:100 and 6 additional credits of Sociology (3850) courses
xxxx:3/4xx	Upper-level Elective (Note c)	3	
	Free Elective (Note c)	3	
	Free Elective (Note c)	3	
Total		15	

4th Year		Fall Semester	
3850:460	Sociological Theory	3	3850:100 or permission
3850:441	Sociology of Law	3	3850:100 and 6 additional credits of Sociology (3850) courses
xxxx:3/4xx	Upper-level Elective (Note c)	9	
Total		15	

4th Year		Spring Semester	
3850:495	Field Internship	4	64 credits of credit (12 of the 64 credits must be Sociology (3850) courses) and faculty supervisor permission
xxxx:3/4xx	Upper-level Elective (Note c)	3	
	Free Elective (Note c)	6	
Total		13	

	Minimum Total Credits for Degree	120	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English Requirement. 2020:121 (English) fulfills the English Composition I requirement. English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- b. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- c. Free electives can be any course not already required by your major, and upper-level electives can be any course not already required by the major other than workshops. Because of the amount of free and upper level electives available for this major, it is encouraged to focus on a specific area of interest. Please consult with the University of Akron website, the Undergraduate Bulletin, and your Academic Advisor about possible minor options.

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Advising e-mail: socadvising@uakron.edu

Web address: www.uakron.edu/sociology

SOCIOLOGY/CRIMINOLOGY/LAW ENFORCEMENT:

Opportunities are available at city/county/state/federal levels. A student may plan a career as a probation and parole counselor, or in field settings such as correctional institutions, social/recreational agencies or other social agencies dealing with “problem” youths, adults, and families in the community in need of guidance.

Opportunities for federal, state, and local agencies and businesses are widely available, especially in investigative work. This includes a variety of federal government agencies (drug enforcement, firearms, border, customs, postal inspection), and private business opportunities (insurance fraud, corporate security, consulting investigative firms, etc.). Police work at the local or state level is also an option, especially policing careers with promotion/administration options.

BACHELOR DEGREE SPECIFICS (31 credits):

3850:100 Introduction to Sociology

3850:301 Methods of Social Research I

3850:302 Methods of Social Research II

3850:320 Social Inequalities

3850:330 Criminology

3850:431 Corrections

3850:433 Deviant Behavior

3850:441 Sociology of Law

3850:460 Sociological Theory

3850:495 Field Internship (4 credit hours equals 150 hours in an agency)

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.2 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

A student can arrange their inter-college transfer through an appointment with his/her advisor in the Center for Academic Advising & Student Success, Simmons 205, (330) 972-7430, or Center for Academic Advising & Student Success, Simmons 301, (330) 972-5723 or College of Applied Science and Technology, Polsky 301, (330) 972-7220, depending upon the advising office in which they reside.

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 40 credits (excluding workshops) consisting of either:

- Upper-level (300/400) courses both in and outside the student’s major
- Any courses outside the major department as specified in and approved by the student’s major department chair (permission should be obtained prior to enrollment) except workshops

SOCIOLOGY/CRIMINOLOGY & LAW ENFORCEMENT

385007BA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide below on this page. The curriculum guide above is for students admitted to this program for Fall 2015 or later.

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CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM PRIOR TO FALL 2015:

1 st Year	Fall Semester	Credit Hours	Prerequisites
3850:100	<i>Introduction to Sociology</i> (<i>Social Science Requirement</i>)	3	
7700:101	Beginning Language I (Note b)	4	
	-OR-	or	
	American Sign Language I	3	
	<i>English Composition I Requirement</i> (Note a)	3	Appropriate placement by advisor
	<i>Mathematics Requirement</i>	3	Appropriate placement by advisor
	<i>Physical Education Requirement</i>	1	
	Free Elective (Note c)	1	
Total		14-15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
	English Composition II Requirement (Note a)	3	English Composition I Requirement
7700:102	Beginning Language II (Note b)	4	Beginning Language I
	-OR-	or	or
	American Sign Language II	3	7700:101
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>Social Science Requirement</i>	3	
	<i>Natural Science Requirement</i>	4	
Total		16-17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3850:320	Social Inequalities	3	3850:100 or permission
	<i>Natural Science Requirement</i>	4	
7700:201	Intermediate Language I	3	Beginning Language II
	-OR-		or
	American Sign Language III	7700:102	
	<i>Humanities Requirement</i>	3	
	<i>Area Studies / Cultural Diversity Requirement</i>	2	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3850:330	Criminology	3	3850:100
	<i>Humanities Requirement</i>	3	
	<i>Area Studies / Cultural Diversity Requirement</i>	2	
	Intermediate Language II	3	Intermediate Language I
	-OR-	or	or

7700:202	American Sign Language IV –AND	3	7700:201
7700:222	Survey of Deaf Culture in America	2	Sign Language students only
	Free Elective (Note c)	4	
Total		15-17	

3rd Year Fall Semester

3850:301	Methods of Social Research I	3	3850:100 and math requirement
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World since 1300</i>	4	32 credits completed & 3300:112 or equivalent 32 credits completed & 3300:112 or equivalent
3850:431	Corrections	3	3850:330 or 3850:430
	Free Elective (Note c)	3	
xxxx:3/4xx	Upper-level Elective (Note c)	3	
Total		16	

3rd Year Spring Semester

3850:302	Methods of Social Research II	3	3850:100, 3850:301, and math requirement
3850:433	Deviant Behavior	3	3850:100 and 6 additional credits of Sociology (3850) courses
xxxx:3/4xx	Upper-level Elective (Note c)	3	
	Free Elective (Note c)	3	
	Free Elective (Note c)	3	
	Free Elective (Note c)	3	
Total		18	

4th Year Fall Semester

3850:460	Sociological Theory	3	3850:100 or permission
3850:441	Sociology of Law	3	3850:100 and 6 additional credits of Sociology (3850) courses
xxxx:3/4xx	Upper-level Elective (Note c)	3	
xxxx:3/4xx	Upper-level Elective (Note c)	3	
xxxx:3/4xx	Upper-level Elective (Note c)	3	
Total		15	

4th Year Spring Semester

3850:495	Field Internship	4	64 credits of credit (12 of the 64 credits must be Sociology (3850) courses) and faculty supervisor permission
xxxx:3/4xx	Upper-level Elective (Note c)	4	
	Free Elective (Note c)	9	
Total		17	

	Minimum Total Credits for Degree	128	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

- NOTES:**
- d. English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English Requirement. 2020:121 (English) fulfills the English Composition I requirement. English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
 - e. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.

- f. Free electives can be any course not already required by your major, and upper-level electives can be any course not already required by the major other than General Education designated courses or workshops. Because of the amount of free and upper level electives available for this major, it is encouraged to focus on a specific area of interest. Please consult with the University of Akron website, the Undergraduate Bulletin, and your Academic Advisor about possible minor options.

Sociology Advising, Olin 247D, (330) 972-7481.

Advising e-mail: socadvising@uakron.edu

Web address: www.uakron.edu/sociology

SOCIOLOGY/CRIMINOLOGY/LAW ENFORCEMENT:

Opportunities are available at city/county/state/federal levels. A student may plan a career as a probation and parole counselor, or in field settings such as correctional institutions, social/recreational agencies or other social agencies dealing with “problem” youths, adults, and families in the community in need of guidance.

Opportunities for federal, state, and local agencies and businesses are widely available, especially in investigative work. This includes a variety of federal government agencies (drug enforcement, firearms, border, customs, postal inspection), and private business opportunities (insurance fraud, corporate security, consulting investigative firms, etc.). Police work at the local or state level is also an option, especially policing careers with promotion/administration options.

BACHELOR DEGREE SPECIFICS (31 credits):

3850:100 Introduction to Sociology

3850:301 Methods of Social Research I

3850:302 Methods of Social Research II

3850:320 Social Inequalities

3850:330 Criminology

3850:431 Corrections

3850:433 Deviant Behavior

3850:441 Sociology of Law

3850:460 Sociological Theory

3850:495 Field Internship (4 credit hours equals 150 hours in an agency)

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.2 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

A student can arrange their inter-college transfer through an appointment with his/her advisor in the Center for Academic Advising & Student Success, Simmons 205, (330) 972-7430, or Center for Academic Advising & Student Success, Simmons 301, (330) 972-5723 or College of Applied Science and Technology, Polsky 301, (330) 972-7220, depending upon the advising office in which they reside.

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 47 credits (excluding workshops and General Education courses) consisting of either:

- Upper-level (300/400) courses both in and outside the student’s major
- Any courses outside the major department as specified in and approved by the student’s major department chair (permission should be obtained prior to enrollment) except workshops and General Education courses

2013-2014

Department or School: A&S Cooperative Education (3000)

Degree: B.S. - Bachelor of Science**Major: Natural Sciences - BS/MD**

Buchtel College of Arts and Sciences

Year 1

Summer I	
3100:180 BS/MD Orientation	1
2780:290 ST: CPR (8 weeks)	2
3150:151 Principles of Chemistry I	3
3150:152 Principles of Chemistry I Lab	1
Summer II	
3150:152 Principles of Chemistry II	3
3150:154 Qualitative Analysis	2
3300:112 English Composition II- Honors	3
Min Credit Total	15

Fall	
3100:190 Hlth Care Delivery Systs	1
3100:111 Principles of Biology I	4
3150:263 Organic Chemistry Lecture I	3
3150:265 Organic Chemistry Lab I	2
3650:261 Physics for Life Sciences I	4
3750:100 Introduction to Psychology	3
7600:105 Introduction to Public Speaking	3
Group or Free Elective (See Note B)	3
Min Credit Total	23

Spring	
3100:191 Hlth Care Delivery Systs	1
3100:112 Principles of Biology II	4
3150:264 Organic Chem Lecture II	3
3470:261 Introductory Statistics I	2
3470:262 Introductory Statistics II	2
3650:262 Physics for Life Sciences II	4
3450:221 Analytic Geometry-Calc I	4
Group or Free Elective (See Note B)	3
Min Credit Total	23

Year 2

Summer I	
3100:211 General Genetics	3
1880:201 Medical Sem & Practicum I	3
5540:xxx Physical Education/Wellness: Any	1
3600:361 Biomedical Ethics	3
Group or Free Elective (See Note B)	5
Min Credit Total	15

Fall	
3100:290 Hlth Care Delivery Systs	1
3150:401 Biochemistry Lecture I	3
3100:363 Animal Physiology I	3
3100:364 Animal Physiology Lab I	1
3100:3xx/4xx Biology	4
Group or Free Elective (See Note B)	12
Min Credit Total	24

Spring	
3100:291 Hlth Care Delivery Systs	1
3150:402 Biochemistry Lecture II	3
3100:485 Cell Physiology	3
3100:486 Cell Physiology Laboratory	1
1880:310 Medicine & the Humanities	3
3100:3xx/4xx Biology	4
Group or Free Elective (See Note B)	9
Min Credit Total	24

Degree Distribution Requirements

Students with questions about degree requirements should contact an academic adviser.

Note A: Students typically take 3300:112 English Composition II - Honors during Summer Session II. To be eligible, students must have an ACT English score of 28 or an SAT verbal score of 610. This allows students to earn bypass English Composition I credits (3) if they earn a C or better in 3300:112. Otherwise, students will take 3300:111 English Composition I - Honors during Year 1 Summer and 3300:112 English Composition II during Year 1 Fall.

NOTE B: Group electives are from Groups I, II and III. See the BS/MD academic coordinator regarding Group Elective and Free Elective eligible courses.

The MCAT is to be taken in August before starting your second year, but can be retaken after the second year if the student doesn't pass.

DIVISION MAJOR - SOCIAL SCIENCES PHILOSOPHY, SOCIOLOGY, PSYCHOLOGY (PSP) 390006BA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide found on page 5. The curriculum guide below on this page is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Department of Philosophy**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at [http://www.uakron.edu/advising/docs/General Education Guide.pdf](http://www.uakron.edu/advising/docs/General_Education_Guide.pdf).

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2015 OR LATER:

1 st Year	Fall Semester	Credit Hours	Prerequisites
3600:101 or 3600:120	<i>Introduction to Philosophy</i> (Humanities Requirement) -OR- <i>Introduction to Ethics</i> (Humanities Requirement)	3	
	<i>English Composition I Requirement</i> (Note a)	3	Appropriate placement by advisor
	<i>Physical Education Requirement</i>	1	
	<i>Mathematics Requirement</i>	3	Appropriate placement by advisor
7700:101	Beginning Language I (Note b) -OR- American Sign Language I	4 or 3	
Total		13-14	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3750:100	<i>Introduction to Psychology</i> (Social Science Requirement)	3	
	<i>English Composition II Requirement</i> (Note a)	3	3300:111 or equivalent
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>Natural Science Requirement</i>	4	
7700:102	Beginning Language II -OR- American Sign Language II	4 or 3	Beginning Language I or 7700:101
Total		16-17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3850:100	<i>Introduction to Sociology</i> (Social Science Requirement)	3	
	<i>Natural Science Requirement</i>	4	
	Free Elective (Note c)	4	
	<i>Area Studies / Cultural Diversity Requirement</i>	2	
7700:201	Intermediate Language I -OR- American Sign Language III	3	Beginning Language II or 7700:102
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
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3750:230	Developmental Psychology	4	3750:100
3850:315	Sociological Social Psychology	3	3850:100
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World since 1300</i>	4	32 credits completed & 3300:112 or equivalent 32 credits completed & 3300:112 or equivalent
	<i>Area Studies / Cultural Diversity Requirement</i>	2	
	Intermediate Language II -OR-	3 or	Intermediate Language I or
7700:202 7700:222	American Sign Language IV -AND Survey of Deaf Culture in America	3 2	7700:201 Sign Language students only
Total		16-18	

3rd Year		Fall Semester	
3600:371	Philosophy of the Mind	3	Offered on a Rotating Basis
3750:340	Social Psychology	4	3750:100
3850:3xx/4 xx	Upper Level Sociology Elective (Note d)	3	
	<i>Humanities Requirement</i> (outside of the Philosophy set)	3	
3600:464	Philosophy of Science	3	One course in Philosophy or permission, Offered on a Rotating Basis
Total		16	

3rd Year		Spring Semester	
3600:461	Neuroethics	3	3600:120 or 3600:361 or permission, Offered on a Rotating Basis
3850:3xx/4 xx	Upper Level Sociology Elective (Note d)	3	
3750:3xx/4 xx	Upper Level Psychology Elective (Note d)	4	
xxxx: 3xx/4xx	Upper Level Philosophy Electives (Note d)	3	
Total		13	

4th Year		Fall Semester	
3600:3xx/4 xx	Philosophy Elective (Note d)	3	
3850:3xx/4 xx	Upper Level Sociology Elective (Note d)	3	
	PSP Elective (Note e)	3	
	PSP Elective (Note e)	3	
Total		12	

4th Year		Spring Semester	
	PSP Elective (Note e)	3	
xxxx:3xx/4x x	Upper Level Electives (Note c)	5	
	Free Electives (dependent on amount of credits already completed) (Note c)	6-10	
Total		14-18	

	Minimum Credits for Degree	120	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of

NOTES:

- a. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- b. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- c. Free electives can be any course not already required by your major and upper-level electives can be any course (300/400 level) in or outside the student's major, excluding workshops. Because of the amount of free and upper level electives available for this major, it is encouraged to focus on a specific area of interest. Please consult with the University of Akron website, the Undergraduate Bulletin, and your Academic Advisor about possible minor options.
- d. See list below for options for Philosophy, Sociology, and Psychology upper level electives.

Upper Level Philosophy Elective Options:

3600:333 Philosophy of Science & Religion
 3600:340 Eastern Philosophy
 3600:455 Philosophy of Feminism
 3600:424 Existentialism
 3600:426 Phenomenology
 3600:480 Seminar (on consciousness)
 3600:481 Philosophy of Language

Prerequisites

One course in Philosophy or permission
 One course in Philosophy or permission

Upper Level Sociology Elective Options:

3850:320 Social Inequalities
 3850:340 The Family
 3850:421 Racial & Ethnic Relations
 3850:428 The Victim in Society
 3850:433 Sociology of Deviant Behavior
 courses
 or permission
 3850:435 Sociology of Love
 3850:447 Sociology of Sex & Gender

3850:100 or permission
 3850:100 or permission
 3850:100 or permission
 3850:100 or permission
 3850:100 and 6 additional credits of 3850
 3850:100 or permission
 3850:100 or permission

Upper Level Psychology Elective Options:

3750:320 Biopsychology
 3750:335 Dynamics of Personality
 3750:345 Cognitive Processes
 3750:420 Abnormal Psychology
 3750:435 Cross-Cultural Psychology
 3750:474 Psychology of Women

3750:100
 3750:100
 3750:100
 3750:100
 3750:100
 3750:100 or 3001:300

- e. PSP electives can be any 3600, 3850, or 3750 course that is not already required by your major.

The Department of Philosophy is in Olin Hall 235, (330) 972-7094. An interested student should see Professor Priscilla Sakezles, Department Chair. E-mail: pks@uakron.edu

COURSES:

In addition to the General Education requirement and the completion of the second year of a foreign language, the PSP curriculum includes a combined 54 credits from the departments of Philosophy, Sociology, and Psychology—a minimum of 15 credits from each department. The PSP track focuses on “Understanding Ourselves and Others” and is designed to emphasize

the significant overlap that exists among these disciplines in the area of mind and consciousness. Cooperation among these disciplines provides an opportunity to combine theory with experimentation—the final objective being to obtain true knowledge of the mind and its capacities and activities.

EMPLOYMENT:

The PSP curriculum provides a balanced blend of classes and is intended for students who wish to engage in theoretical analysis as well as experimentation in order to develop a deeper understanding of the problems relating to the area of mind and consciousness. According to the U.S. Department of Labor, growth in psychology and sociology-related jobs is expected to be average to faster than average through 2016. Particular growth is anticipated in health-related fields, as well as industrial/organizational psychology, school psychology, criminal justice, and policy analysis, and students obtaining a PSP degree will be well-rounded and adaptive to these varying job opportunities.

PLACEMENT:

A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in “My Akron.”

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 40 credits (excluding workshops) consisting of either:

- Upper-level (300/400) courses both in and outside the student’s major
- Any courses outside the major department as specified in and approved by the student’s major department chair (permission should be obtained prior to enrollment) except workshops

DIVISION MAJOR - SOCIAL SCIENCES PHILOSOPHY, SOCIOLOGY, PSYCHOLOGY (PSP) 390006BA

Attention students who were admitted to this program prior to Fall 2015, please refer to the curriculum guide below on this page. The curriculum guide above is for students admitted to this program for Fall 2015 or later.

The following information has official approval of the **Department of Philosophy**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Auditing Reporting System (DARS) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM PRIOR TO FALL 2015:

1 st Year	Fall Semester	Credit Hours	Prerequisites
3600:101 or 3600:120	<i>Introduction to Philosophy</i> (Humanities Requirement) -OR- <i>Introduction to Ethics</i> (Humanities Requirement)	3	
	<i>English Composition I Requirement</i> (Note a)	3	Appropriate placement by advisor
	<i>Physical Education Requirement</i>	1	
	<i>Mathematics Requirement</i>	3	Appropriate placement by advisor
	Beginning Language I (Note b) -OR-	4	
7700:101	American Sign Language I	3	
Total		13-14	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3750:100	<i>Introduction to Psychology</i> (Social Science Requirement)	3	
	<i>English Composition II Requirement</i> (Note a)	3	3300:111 or equivalent
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>Natural Science Requirement</i>	4	
	Beginning Language II -OR-	4	Beginning Language I
7700:102	American Sign Language II	3	or 7700:101
Total		16-17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3850:100	<i>Introduction to Sociology</i> (Social Science Requirement)	3	
	<i>Natural Science Requirement</i>	4	
	Free Elective (Note c)	4	
	<i>Area Studies / Cultural Diversity Requirement</i>	2	
	Intermediate Language I -OR-	3	Beginning Language II
7700:201	American Sign Language III		or 7700:102
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3750:230	Developmental Psychology	4	3750:100

3850:315	Sociological Social Psychology	3	3850:100
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World since 1300</i>	4	32 credits completed & 3300:112 or equivalent 32 credits completed & 3300:112 or equivalent
	<i>Area Studies / Cultural Diversity Requirement</i>	2	
	Intermediate Language II -OR-	3	Intermediate Language I
7700:202 7700:222	American Sign Language IV -AND Survey of Deaf Culture in America	3 2	7700:201 Sign Language students only
Total		16-18	

3rd Year		Fall Semester	
3600:371	Philosophy of the Mind	3	Offered on a Rotating Basis
3750:340	Social Psychology	4	3750:100
3850:3xx/4xx	Upper Level Sociology Elective (Note d)	3	
	<i>Humanities Requirement</i> (outside of the Philosophy set)	3	
3600:464	Philosophy of Science	3	One course in Philosophy or permission, Offered on a Rotating Basis
Total		16	

3rd Year		Spring Semester	
3600:461	Neuroethics	3	3600:120 or 3600:361 or permission, Offered on a Rotating Basis
3850:3xx/4xx	Upper Level Sociology Elective (Note d)	3	
3750:3xx/4xx	Upper Level Psychology Elective (Note d)	4	
xxxx: 3xx/4xx	Upper Level Philosophy Electives (Note d)	6	
Total		16	

4th Year		Fall Semester	
3600:3xx/4xx	Philosophy Elective (Note d)	3	
3850:3xx/4xx	Upper Level Sociology Elective (Note d)	3	
	PSP Elective (Note e)	3	
	PSP Elective (Note e)	3	
xxxx:3xx/4xx	Upper Level Electives (Note c)	4	
Total		16	

4th Year		Spring Semester	
	PSP Elective (Note e)	3	
xxxx:3xx/4xx	Upper Level Electives (Note c)	5	
	Free Electives (dependent on amount of credits already completed) (Note c)	7-11	
Total		15-19	

	Minimum Credits for Degree	128	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. For English Composition I, 3300:111 (English Composition I) or 3300:113 (African-American Language and Culture I) are the recommended classes to meet the General Education English requirement. 2020:121 (English) fulfills the English Composition I requirement. For English Composition II, 3300:112 (English Composition II) or 3300:114 (African-American Language and Culture II) are the recommended classes to meet the General Education English requirement. 2020:222 (Technical Report Writing) fulfills the English Composition II requirement.
- b. Demonstration of ability to use another language by completion of the second year of a foreign language or sign language is required. See your advisor for placement. Please note that all four semesters must be completed in the SAME language and it's recommended you begin your first language class as soon as possible.
- c. Free electives can be any course not already required by your major and upper-level electives can be any course (300/400 level) in or outside the student's major, excluding General Education courses or workshops. Because of the amount of free and upper level electives available for this major, it is encouraged to focus on a specific area of interest. Please consult with the University of Akron website, the Undergraduate Bulletin, and your Academic Advisor about possible minor options.
- d. See list below for options for Philosophy, Sociology, and Psychology upper level electives.

Upper Level Philosophy Elective Options:

3600:333 Philosophy of Science & Religion
 3600:340 Eastern Philosophy
 3600:455 Philosophy of Feminism
 3600:424 Existentialism
 3600:426 Phenomenology
 3600:480 Seminar (on consciousness)
 3600:481 Philosophy of Language

Prerequisites

One course in Philosophy or permission
 One course in Philosophy or permission

Upper Level Sociology Elective Options:

3850:320 Social Inequalities
 3850:340 The Family
 3850:421 Racial & Ethnic Relations
 3850:428 The Victim in Society
 3850:433 Sociology of Deviant Behavior
 courses
 or permission
 3850:435 Sociology of Love
 3850:447 Sociology of Sex & Gender

3850:100 or permission
 3850:100 or permission
 3850:100 or permission
 3850:100 or permission
 3850:100 and 6 additional credits of 3850
 3850:100 or permission
 3850:100 or permission

Upper Level Psychology Elective Options:

3750:320 Biopsychology
 3750:335 Dynamics of Personality
 3750:345 Cognitive Processes
 3750:420 Abnormal Psychology
 3750:435 Cross-Cultural Psychology
 3750:474 Psychology of Women

3750:100
 3750:100
 3750:100
 3750:100
 3750:100
 3750:100 or 3001:300

- f. PSP electives can be any 3600, 3850, or 3750 course that is not already required by your major.

The Department of Philosophy is in Olin Hall 235, (330) 972-7094. An interested student should see Professor Priscilla Sakezles, Department Chair. E-mail: pks@uakron.edu

COURSES:

In addition to the General Education requirement and the completion of the second year of a foreign language, the PSP curriculum includes a combined 54 credits from the departments of Philosophy, Sociology, and Psychology—a minimum of 15 credits from each department. The PSP track focuses on “Understanding Ourselves and Others” and is designed to emphasize the significant overlap that exists among these disciplines in the area of mind and consciousness. Cooperation among these disciplines provides an opportunity to combine theory with experimentation—the final objective being to obtain true knowledge of the mind and its capacities and activities.

EMPLOYMENT:

The PSP curriculum provides a balanced blend of classes and is intended for students who wish to engage in theoretical analysis as well as experimentation in order to develop a deeper understanding of the problems relating to the area of mind and consciousness. According to the U.S. Department of Labor, growth in psychology and sociology-related jobs is expected to be average to faster than average through 2016. Particular growth is anticipated in health-related fields, as well as industrial/organizational psychology, school psychology, criminal justice, and policy analysis, and students obtaining a PSP degree will be well-rounded and adaptive to these varying job opportunities.

PLACEMENT:

A student is encouraged to check with his/her major department and with the Career Center, Student Union 211, (330) 972-7747, regarding employment opportunities in the field.

TRANSFER TO COLLEGE OF ARTS & SCIENCES: Students should apply to the college upon the attainment of:

- ✓ a cumulative GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ a major GPA of 2.0 or better (includes transfer coursework until 30 credits are earned at UA)
- ✓ 30 credits completed including both required English composition courses and 3 credits of mathematics or statistics that meets the General Education requirement

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

COLLEGE OF ARTS & SCIENCES:

Degree requirements in Arts & Sciences include the demonstration of ability to use another language by completion of the second year of a foreign language or sign language and a minimum of 47 credits (excluding workshops and General Education courses) consisting of either:

- Upper-level (300/400) courses both in and outside the student's major
- Any courses outside the major department as specified in and approved by the student's major department chair (permission should be obtained prior to enrollment) except workshops and General Education courses

Dietetics H40500BST Coordinated Program

The following information has official approval of the **School of Nutrition and Dietetics**, but is intended only as a supplemental guide.

All students begin in the Didactic program as a major in Dietetics.

- All courses marked with an (*) must be completed prior to the entry to the Didactic Program in Dietetics (DPD).
- **Bolded Courses** require a grade of “C” or better for the Verification Statement. Refer to the last page for an explanation of the differences between the Didactic and Coordinated Programs and the importance of the Verification Statement.

***Preadmission courses: A grade of “C” or higher is required.** A minimum combined 3.0 GPA is required.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education/>

1 st Year	Fall Semester	Credit Hours	Prerequisites
*3300:111	<i>English Composition I</i>	3	Appropriate placement by advisor
*3470:260 or *3470:250	<i>Basic Statistics (Quantitative Reasoning)</i> -OR- <i>Statistics for Everyday Life (Quantitative Reasoning)</i>	3 4	3450:100 or appropriate placement Appropriate placement by advisor
*3150:110	Intro to General, Organic & Biochemistry I Lecture (Natural Science)	3	
*3150:111	Intro to General, Organic & Biochemistry I Lab (Natural Science)	1	corequisite: 3150:110
*3850:100	<i>Introduction to Sociology (Social Science also meets Domestic Diversity requirement)</i>	3	
*7760:120	Career Decisions in Nutrition	1	Appropriate placement by advisor
Total		14-15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
*3300:112	<i>English Composition II</i>	3	3300:111 or equivalent
*3150:112	Intro to General, Organic & Biochemistry II Lecture (Natural Science)	3	3150:110/111
*3150:113	Intro to General, Organic & Biochemistry II Lab	1	corequisite: 3150:112
*7600:105 or *7600:106	<i>Introduction to Public Speaking</i> -OR- <i>Effective Oral Communication</i>	3	
*7760:133	Nutrition Fundamentals	3	
*3100:130	Principles of Microbiology (Lecture/Lab)	3	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3100:200	Human Anatomy & Physiology I	3	
3100:201	Human Anatomy & Physiology I Lab	1	corequisite: 3100:200
7760:250	Food Science Lecture	3	7760:133, 7760:320, 3150:110, 3150:111, 3150:112, 3150:113; corequisite: 7760:251
7760:251	Food Science Lab	1	7760:133, 7760:320, 3150:110, 3150:111, 3150:112, 3150:113; corequisite: 7760:250
7760:228	Introduction to Medical Nutrition Therapy	3	7760:133, 3150:110, 3150:111, 3150:112, 3150:113
3750:100	<i>Introduction to Psychology (Social Science)</i>	3	
Total		14	

ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

2 nd Year		Spring Semester	
3100:202	Human Anatomy & Physiology II	3	3100:200
3100:203	Human Anatomy & Physiology II Lab	1	corequisite: 3100:202
6200:201	Accounting Principles I (Note b)	3	24 credits completed
	<i>Arts requirement</i>	3	See General Education guide
3600:120	Introduction to Ethics (<i>Humanities</i>)	3	See General Education guide
6300:201	Introduction to Entrepreneurship	3	
Total		16	

In order to be eligible to take the following courses in the 3rd and 4th years, a student must be formally accepted into the Coordinated Program.

2 rd Year		Summer Semester	
7760:485	Seminar: Professional Preparation for CP	1	Department Consent Required
	Electives (Note a)	5	
Total		6	

3 rd Year		Fall Semester	
7760:310	Food Systems Management I (Note c)	4	7760:250, 6200:201 or 2420:211 and 2420:212; corequisite 7760:315
7760:314	Food Systems Management I Clinical	2	7760:250 prerequisite
7760:403	Advanced Food Preparation	3	7760:141 or 7760:250 or permission
7760:426	Human Nutrition (Fall only)	3	7760:133, 7760:228, 3100:202, 3100:203, 3150:112, 3150:113; corequisite: 7760:443
7760:443	Nutrition Assessment (Fall only)	3	7760:133, 7760:228, 3100:202, 3100:203, 3150:112, 3150:113; corequisite: 7760:426
6500:480	Introduction to Management of Healthcare Systems (Fall only)	3	
Total		18	

3 rd Year		Spring Semester	
7760:328	Medical Nutrition Therapy I (Spring only)	3	7760:133 or 7760:316, 7760:426, 7760:443
7760:329	Medical Nutrition Therapy I Clinical (Spring only)	2	7760:133 or 7760:316, 7760:228, 7760:426, 7760:443; corequisite: 7760:328
7760:400	Nutrition Communication and Education Skills	4	7760:133 or 7760: 316
7760:424	Nutrition in the Life Cycle (Spring only)	3	7760:316 or 7760:426 or permission
7760:487	Sports Nutrition	3	7760:133, 3100:202, 3100:203, and 3150:112, and 3150:113, or 3150:203 or 7600:426 or permission
6500:301	Management Principles and Concepts	3	48 credit hours
Total		18	

3 rd Year		Summer Semester	
7760:444	Long Term Care Clinical	2	CP students only, 7760:328, 7760:329
	Additional <i>Arts</i> or <i>Humanities</i> requirement	3	See General Education guide
	<i>Global Diversity</i> requirement	3	See General Education guide
Total		8	

4 th Year		Fall Semester	
7760:428	Medical Nutrition Therapy II (Fall only)	3	7760:328
7760:429	Medical Nutrition Therapy II Clinical (Fall only)	3	CP students only, 7760:329; corequisite: 7760:428
7760:480	Community Nutrition I (Fall only) (Note c)	3	7760:316 or 7760:426; 7760:481 corequisite for CP only
7760:481	Community Nutrition I Clinical (Fall only)	1	CP students only, 7760:428; corequisite: 7760:480
	<i>Critical Thinking</i> requirement	3	See General Education guide
	<i>Complex Systems Affecting Individuals in Society</i> requirement	3	See General Education guide
Total		16	

4 th Year		Spring Semester	
7760:413	Food Systems Management II (Spring only)	3	7760:310
7760:447	Senior Seminar: Critical Issues: Professional Development (Spring only)	1	Senior standing
7760:482	Community Nutrition II (Spring only)	3	7760:480
7760:484	Health and Wellness Clinicals (Spring only)	4	CP Students only, 7760: 481 corequisite: 7760 413 and 482
7760:486	Staff Relief	2	CP senior only, 7760:414
Total		13	

	Minimum Credits for Degree	139	
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NOTES:

a. A student in the Didactic program will complete 3 credit hours of electives. A student in the Coordinated Program is required to complete Introduction to Entrepreneurship (6300:201) and 5 credit hours of electives.

Recommended Electives: Medical Terminology (2740:120); Legal and Social Environment of Business (6400:220); Basic Pharmacology (2740:230); Human Cultures (3230:150); Methods of Social Research I (3850:301); Anthropology of Food (3230:420); Intercultural Communication (7600:325); First Aid and CPR (5550:211).

b. 2420:211, Basic Accounting I AND 2420:212, Basic Accounting II may be substituted for 6200:201, Accounting Principles I.

c. A \$35.00 fee for Liability Insurance is collected as part of course fees and provides you with required malpractice coverage.

ACADEMIC ADVISING: Admitted students will be considered pre-admits to their desired major and will receive advising from the College of Health Professions' Student Success Center in Mary Gladwin Hall 313. Once the student meets or is in progress to complete the first-year requirements with a 3.0 GPA and a C or better, then the student will be eligible to apply for the Didactic Program. Students admitted to the program will be assigned a faculty advisor.

DIDACTIC or COORDINATED PROGRAM: The first and second year of the dietetic curriculum for both the Didactic Program (DP) and the Coordinated Program (CP) are identical. Both programs meet the DP requirements of the Accreditation Council for Education in Nutrition and Dietetics. To be eligible for active membership in The Academy of Nutrition and Dietetics and subsequent registration, graduates of the Didactic Program are required to complete a dietetic internship following completion of their course work at the University of Akron. Effective Fall 2015, students must apply for admission to the Didactic Program. Application information is available on the Nutrition/Dietetics website. Deadline for application submission is March 1st.

The CP includes over 1200 hours of pre-professional practice within the final two years of study, during which students gain knowledge as well as clinical experience in three main areas: food service administration, medical nutrition therapy, and community nutrition. CP graduates are eligible for active membership in the Academy and may take the national registration examination following graduation. State licensure requirements must also be satisfied prior to practice in Ohio. Information about limited permits and licensure are provided during the program.

Information regarding official application to Coordinated Program is available in course 7760:120 Career Decisions in Nutrition. Applications are available on the Nutrition/Dietetics website. Students applying to the Coordinated Program should have a minimum GPA of 3.0, a 3.0 science GPA, and be prepared for heavy time commitment. Students accepted to the Coordinated Program complete a new Academic Program Agreement and are then advised by the Coordinated Program Director. Deadline for application submission is February 1st.

VERIFICATION STATEMENTS: The Didactic and the Coordinated Programs are accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). The student's Academic Program Requirements include courses which meet the verification statement requirements.

Upon graduation, verification statements are signed by the Didactic or the Coordinated Program Director, indicating satisfactory completion of the program requirements. To earn a Verification Statement in DP or CP, students must have a 3.0 GPA and obtain a grade of "C" (2.0) or better in the following courses (unless waived): 3100:130, 200-201,202-203; 3150:110,111,112,113; 3470:250 or 260; 3750:100; 3850:100; 6200:201 or 2420:211 and 212, 6500:301, 480; 7600:105 or 106, 7760:120, 133, 228, 250, 251, 310, 314 (DP only), 315 (CP only), 328, 400, 403, 413, 424, 426, 428, 443, 447, 480, 482, 487, 489 (DP only). In addition, CP students must complete the following courses with a minimum of a B or with CR: 7760:315, 329, 429, 444, 481, 484, 486. Please note: Recency of education requirements may need to be satisfied.

IMPORTANT:

- If courses are taken out of the recommended sequence, graduation may be delayed.
- If General Organic Biochemistry classes were completed more than 5 years ago. Please see contact the School of Nutrition and Dietetics for additional evaluation.
- To progress in the Nutrition majors, *students may not repeat any course required for the verification statement more than once*. If, after the first repeat, a student has not earned a "C" or better in a course, they will be dropped from the program.
- Once dropped, students will not be permitted to re-enter the dietetics programs.

STATEMENT OF UNDERSTANDING: Students are required to comply with the rules and regulations necessary to meet the foundation knowledge and skills for dietetics. Medical insurance, proof of immunization and a thorough criminal background check (BCI/FBI) for clinical experiences are required. The background check may reveal a student's unsealed and sealed criminal record.

STUDENT ACADEMY of NUTRITION & DIETETICS (SAND): The University of Akron Student Academy of Nutrition and Dietetics is open to all interested undergraduate and graduate students at the University. Its purpose is to stimulate interest in the dietetic profession, orient members to The Academy of Nutrition and Dietetics, and organize activities to involve members in programs for the public to help promote nutrition education. Contact the faculty advisor (330-972-8664), watch the Schrank bulletin board for meeting notices, and/or talk to one of the student officers for more information. New officers are elected yearly, and names are posted on the dietetics bulletin board.

SCHOLARSHIPS: Scholarships are available from various sources (including the School of Nutrition/Dietetics and The Academy of Nutrition and Dietetics) throughout the school year. Information regarding scholarships and the application is posted on the dietetics bulletin board in Schrank Hall South. Deadlines for applications will vary. It is the student's responsibility to request letters of recommendation from the faculty if required. Email the application before the posted deadline dates as instructed online.

EMPLOYMENT OPPORTUNITIES: A student majoring in Dietetics gains some knowledge and experience in all three areas of specialization: management, medical nutrition therapy, and community dietetics. Thus, rewarding positions may be found in a variety of settings: hospitals, schools and colleges, commercial food services, community agencies, health care agencies, with manufacturers and distributors, with family practice units and private physicians requiring the professional services of a registered dietitian, or in the area of food and nutrition research. Average salary for dietitians is approximately \$57,910 annually.

Chemical Engineering 42000BS

The following information has official approval of the **College of Engineering**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
3150:151	<i>Principles of Chemistry I Lecture and Recitation (Natural Science Requirement)</i>	3	Placement into 3450:149 or higher or permission
3150:152	<i>Principles of Chemistry I Lab (Natural Science Requirement)</i>	1	3150:151, corequisite
3450:221	<i>Analytic Geometry-Calculus I</i>	4	Placement Test or 3450:149 with C- or better
4200:101	Tools for Chemical Engineering	2	3450:149 (Precalculus) or higher and 4200:110, corequisites
4200:110	Project Management and Teamwork I	1	4200:101, corequisite
	<i>English Composition I Requirement</i>	3	Appropriate placement by advisor
	<i>Physical Education/Wellness</i>	1	
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3150:153	Principles of Chemistry II Lect and Recitation	3	3150:151
3150:154	Qualitative Analysis Lab	2	3150:152, prerequisites and 3150:153, co-requisite
3450:222	Analytic Geometry-Calculus II	4	3450:221 with C- or better
4200:121	Chemical Engineering Computations	2	4200:101
	<i>English Composition II Requirement</i>	3	3300:111 or equivalent
3250:244	<i>Introduction to Economic Analysis</i>	3	
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
4200:200	Material and Energy Balances*	4	3450:221, 3150:151, 4200:121 or 4250:105
4200:210	Project Management and Teamwork II	1	4200:110
3150:263	Organic Chemistry Lecture I	3	3150:153
3150:265	Organic Chemistry Lab	2	3150:154 prerequisite; 3150:263, corequisite
3150:265	Organic Chemistry Discussion	0	3150:263, corequisite
3450:223	Analytic Geometry-Calculus III	4	3450:222 with C- or better
3650:291	<i>Elementary Classical Physics I Lecture and Lab (Natural Science Requirement)</i>	4	3450:221
Total		18	

*A student must have a grade of C- or better in this course to complete the program.

2 nd Year	Spring Semester	Credit Hours	Prerequisites
4200:225	Equilibrium Thermodynamics	4	4200:200, 3450:223
3150:264	Organic Chemistry Lecture II	3	3150:263
3450:335	Introduction to Ordinary Differential Equations	3	3450:223 with C- or better
3650:292	Elementary Classical Physics II Lecture & Lab	4	3650:291
4300:201	Statics	3	3450:222, 3650:291, corequisites
Total		17	

3rd Year Fall Semester			
3150:313	Physical Chemistry Lecture I	3	3150:264, 3450:223, 3650:291
	Advanced Math Elective	2	
	<i>Speech/Oral Communication Requirement</i>	3	
4200:353	Mass Transfer Operations	3	4200:225 and C- or better in 4200:200 or 4250:200
4200:321	Transport Phenomena (Lecture and Recitation)	3	4200:200 or 4250:200 and 3450:335
4200:341	Process Economics	2	4200:200 or 4250:200
4200:310	Project Management and Teamwork III	1	4200:210 prerequisite and 4200:353 co-requisite
Total		17	

3rd Year Spring Semester			
3150:314	Physical Chemistry II	3	3150:264, 3450:335, 3650:292
4200:330	Chemical Reaction Engineering	3	4200:225 and 3450:335
4200:351	Fluid and Thermal Operations Lecture	3	4200:321
4200:305	Materials Science	2	3150:153 and 3650:292
4200:360	Chemical Engineering Lab and Lecture	3	4200:353, prerequisite 4200:330 and 4200:351, corequisites
	<i>Humanities Elective Requirement</i>	3	
Total		17	

4th Year Fall Semester			
3400:210 or 3400:221	<i>Humanities in the Western Tradition –OR– Humanities in the World Since 1300</i>	4	32 credit hours and 3300:112 equivalent 32 credit hours and 3300:112 equivalent
	Advanced Chemistry Elective	3	
4200:435	Process Analysis and Control	3	4200:330 and 4200:353
4200:441	Process Design I	3	4200:330, 4200:351, 4200: 353 and 4200:341
4200:410	Project Management and Teamwork IV	1	4200:310 prerequisite and 4200:441 or 4250:440 co-requisite
	<i>Social Science Requirement (not economics)</i>	3	
Total		17	

4th Year Spring Semester			
	<i>Area Studies / Cultural Diversity Requirement</i>	2-3	
	<i>Humanities Elective Requirement</i>	3	
4200:xxx	Chemical Engineering Elective	3	
4200:xxx	Design Elective	3	
4400:307	Basic Electrical Engineering	4	3650:292, prerequisite and 3450:335, corequisite
4200:442	Process Design II	3	4200:441
Total		18-19	

	Minimum Total Credits for Degree	137	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

Chair of Chemical Engineering Department: Dr. H. Michael Cheung, Whitby Hall 211, (330) 972-7282
E-Mail: cheung@uakron.edu & Web Address: www.chemical.uakron.edu

SCHEDULING: No 4200 course in Chemical Engineering is available more than one term per year.
 Students should plan accordingly to minimize out-of-phase problems.

IN GENERAL: The purpose of the Chemical Engineering curriculum is to prepare men and women for professional careers in the practical application of chemistry, mathematics, and physics to develop e safe and cost effective ways of using materials and energy for the benefit of the human race.

SALARY LEVEL: Starting salary offers for new graduates range from \$38,000 to \$96,000 per year. The average is \$65,200.

JOB DESCRIPTION: Chemical Engineers enjoy every kind of employment. Most are concerned with complex industrial systems and are in demand by all segments of our society. Pharmaceuticals, polymers, petrochemicals, paints, paper, nuclear power, packaging, soap, textiles, tires, and beer are just a few of the materials which Chemical Engineers create, improve, produce, and sell.

JOB LOCALE: Chemical Engineers find acceptance in virtually every industrial classification because of their knowledge of materials and ability to deal with highly complex process systems. Opportunities are found in large and small companies, governmental agencies, and in one's own business.

TRANSFER TO COLLEGE OF ENGINEERING: To be admitted to the college, the student must:

- Complete at least 30 semester hours of coursework post high school
- Complete Calculus 2 with a C- or higher
- Have a 2.3 grade point average in at least three of the following categories:
 - in all coursework
 - in all engineering coursework
 - in all required mathematics coursework
 - in all required science coursework (chemistry, physics, computer science, biology)

Admission of students who do not meet the above requirements will be considered by the dean or representative only if the request originates by an Engineering department head or representative.

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

CO-OP OPTION: Students can choose between a five-year program, which includes up to four semesters of co-op experience, or a four-year program without co-op experience. The Co-op Program provides an opportunity to gain real-world, relevant experience while working toward a bachelor's degree. Students who participate in the Co-op Program earn money to help fund their education, graduate with 12 or more months of career-related experience, and often receive a higher starting salary after graduation. More information about the Co-op Program can be found at engineering.uakron.edu/coop

PLACEMENT: The Engineering Co-op and Placement Office, ASEC 203, Akron, Ohio 44325 assists all graduates with full-time placement.

WOMEN AND MINORITY ENGINEERS: Eligible students are invited to register into the applicable engineering course elective. There are two options; 4100:110, Women in Engineering Seminar & Peer Group (Contact: Heidi Cressman, 330-972-7701, or hec9@uakron.edu). This course provides beginning women students an overview of the career opportunities for women in engineering. The course introduces relevant topics in engineering, an overview of career opportunities, student led discussion groups and an opportunity to meet with professionals in various engineering disciplines. The other option is 4100:120, Minority Engineering Seminar and Peer Groups (Contact: Julie Zhao, 330-972-2823, or zhao1@uakron.edu). This course provides an overview of disciplines and opportunities in engineering. It also reinforces educational/ career choices and provides role models of successful minority engineers.

(Jackson)

Chemical Engineering 42000BS with Co-Op

The following information has official approval of the **College of Engineering**, but is intended only as a supplemental guide. Official degree requirements are established at the time of admission to the degree-granting college. The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.

1 st Year	Fall Semester	Credit Hours	Prerequisites
3150:151	<i>Principles of Chemistry I Lecture and Recitation (Natural Science Requirement)</i>	3	Placement into 3450:149 or higher or permission
3150:152	<i>Principles of Chemistry I Lab (Natural Science Requirement)</i>	1	3150:151, corequisite
3450:221	<i>Analytic Geometry-Calculus I (Mathematics Requirement)</i>	4	Placement Test or 3450:149 with C- better
4200:101	Tools for Chemical Engineering	2	Co-requisites: 4200:110 and 3450:149
4200:110	Project Management and Teamwork I	1	
	<i>English Composition I Requirement</i>	3	Appropriate placement by advisor
	<i>Physical Education/Wellness</i>	1	
		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3150:153	Principles of Chemistry II Lect and Recitation	3	3150:151
3150:154	Qualitative Analysis Lab	2	3150:152, prerequisite and 3150:153, co-requisite
3450:222	Analytic Geometry-Calculus II	4	3450:221 with C- or better
4200:121	Chemical Engineering Computations	2	4200:101
	<i>English Composition II Requirement</i>	3	3300:111 or equivalent
3250:244	<i>Introduction to Economic Analysis</i>	3	
		17	

1 st Year	Summer Semester	Credit Hours	Prerequisites
	Optional Internship		

2 nd Year	Fall Semester	Credit Hours	Prerequisites
4200:200	Material and Energy Balances*	4	3450:221, 3150:151, 4200:121
4200:210	Project Management and Teamwork II	1	4200:110
3150:263	Organic Chemistry Lecture I	3	3150:153
3150:265	Organic Chemistry Lab	2	3150:154 prerequisite; 3150:263, corequisite
3150:265	Organic Chemistry Discussion	0	3150:263, corequisite
3450:223	Analytic Geometry-Calculus III	4	3450:222 with C- or better
3650:291	<i>Elementary Classical Physics I Lecture and Lab (Natural Science Requirement)</i>	4	3450:221
		18	

*A student must have a grade of C- or better in this course to complete the program.

2 nd Year	Spring Semester	Credit Hours	Prerequisites
4200:225	Equilibrium Thermodynamics	4	4200:200, 3450:223
3150:264	Organic Chemistry Lecture II	3	3150:263
3450:335	Introduction to Ordinary Differential Equations	3	3450:223 with C- or better
3650:292	Elementary Classical Physics II Lecture & Lab	4	3650:291
4300:201	Statics	3	3450:222, 3650:291, corequisites
		17	

2 nd Year	Summer Semester	Credit Hours	Prerequisites
	Optional Co-Op		

3rd Year Fall Semester			
3150:313	Physical Chemistry Lecture I	3	3150:264, 3450:223, 3650:291
	Advanced Math Elective	2	
	<i>Speech/Oral Communication Requirement</i>	3	
4200:353	Mass Transfer Operations	3	4200:225 and C- or better in 4200:200
4200:321	Transport Phenomena Lecture and Recitation	3	4200:200 and 3450:335
4200:341	Process Economics	2	4200:200
4200:310	Project Management and Teamwork III	1	4200:210 prerequisite and 4200:353 co-requisite
		17	

3rd Year Spring Semester			
	Co-Op Assignment I		

3rd Year Summer Semester			
	<i>Area Studies and Cultural Diversity Requirement</i>	2	
3150:314	Physical Chemistry II	3	3150:264, 3450:335, 3650:292
	<i>Social Science Requirement</i>	3	
		8	

4th Year Fall Semester			
	Co-Op Assignment II		

4th Year Spring Semester			
4200:330	Chemical Reaction Engineering	3	4200:225 and 3450:335
4200:351	Fluid and Thermal Operations Lecture	3	4200:321
4200:305	Materials Science	2	3150:153 and 3650:292
4200:360	Chemical Engineering Lab and Lecture	3	4200:353, prerequisite and 4200:330 and 4200:351. corequisites
	<i>Humanities Elective Requirement</i>	3	
		14	

4th Year Summer Semester			
	Co-Op Assignment III		

5th Year Fall Semester			
3400:210	<i>Humanities in the Western Tradition –OR–</i>	4	32 credit hours and 3300:112 equivalent
Or 3400:221	<i>Humanities in the World Since 1300</i>		32 credit hours and 3300:112 equivalent
	Advanced Chemistry Elective	3	
4200:435	Process Analysis and Control	3	4200:330 and 4200:353
4200:441	Process Design I	3	4200:330, 4200:351, 4200:353 and 4200:341
4200:410	Project Management and Teamwork IV	1	4200:310 prerequisite and 4200:441 co-requisite
		14	

5th Year Spring Semester			
	<i>Humanities Elective Requirement</i>	3	
4200:xxx	Chemical Engineering Elective	3	
4200:xxx	Design Elective	3	
4400:307	Basic Electrical Engineering	4	3650:292, prerequisite and 3450:335, corequisite
4200:442	Process Design II	3	4200:441
		16	

	Minimum Total Credits for Degree	137	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

Chair of Chemical Engineering Department: Dr. H. Michael Cheung, Whitby Hall 211, (330) 972-7282
E-Mail: cheung@uakron.edu & Web Address: www.chemical.uakron.edu

SCHEDULING: No 4200 course in Chemical Engineering is available more than one term per year. Students should plan accordingly to minimize out-of-phase problems.

IN GENERAL: The purpose of the Chemical Engineering curriculum is to prepare men and women for professional careers in the practical application of chemistry, mathematics, and physics to develop safe and cost effective ways of using materials and energy for the benefit of the human race.

SALARY LEVEL: Starting salary offers for new graduates range from \$38,000 to \$96,000 per year. The average is \$65,200.

JOB DESCRIPTION: Chemical Engineers enjoy every kind of employment. Most are concerned with complex industrial systems and are in demand by all segments of our society. Pharmaceuticals, polymers, petrochemicals, paints, paper, nuclear power, packaging, soap, textiles, tires, and beer are just a few of the materials which Chemical Engineers create, improve, produce, and sell.

JOB LOCALE: Chemical Engineers find acceptance in virtually every industrial classification because of their knowledge of materials and ability to deal with highly complex process systems. Opportunities are found in large and small companies, governmental agencies, and in one's own business.

TRANSFER TO COLLEGE OF ENGINEERING: To be admitted to the college, the student must:

- Complete at least 30 semester hours of coursework post high school
- Complete Calculus 2 with a C- or higher
- Have a 2.3 grade point average in at least three of the following categories:
 - in all coursework
 - in all engineering coursework
 - in all required mathematics coursework
 - in all required science coursework (chemistry, physics, computer science, biology)

Admission of students who do not meet the above requirements will be considered by the dean or representative only if the request originates by an Engineering department head or representative.

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

CO-OP OPTION: Students can choose between a five-year program, which includes up to four semesters of co-op experience, or a four-year program without co-op experience. The Co-op Program provides an opportunity to gain real-world, relevant experience while working toward a bachelor's degree. Students who participate in the Co-op Program earn money to help fund their education, graduate with 12 or more months of career-related experience, and often receive a higher starting salary after graduation. More information about the Co-op Program can be found at engineering.uakron.edu/coop

PLACEMENT: The Engineering Co-op and Placement Office, ASEC 203, Akron, Ohio 44325 assists all graduates with full-time placement.

WOMEN AND MINORITY ENGINEERS: Eligible students are invited to register into the applicable engineering course elective. There are two options; 4100:110, Women in Engineering Seminar & Peer Group (Contact: Heidi Cressman, 330-972-7701, or hec9@uakron.edu). This course provides beginning women students an overview of the career opportunities for women in engineering. The course introduces relevant topics in engineering, an overview of career opportunities, student led discussion groups and an opportunity to meet with professionals in various engineering disciplines. The other option is 4100:120, Minority Engineering Seminar and Peer Groups (Contact: Julie Zhao, 330-972-2823, or zhao1@uakron.edu). This course provides an overview of disciplines and opportunities in engineering. It also reinforces educational/ career choices and provides role models of successful minority engineers.

(Jackson)

TENTATIVE
Entering Fall 2018 or later

First Year

Fall

3150:151	Principles of Chemistry I	3
3150:152	Principles of Chemistry I Lab	1
3300:111	English Composition I	3
3450:221	Analytical Geometry-Calculus I	4
4200:101	Tools for Chemical Engineering	2
4200:110	Proj. Management&Teamwork I	1

14

Spring

3150:153	Principles of Chemistry II	3
3150:154	Qualitative Analysis	2
3300:112 or	English Composition II or	
2020:222	Technical Report Writing	3
3450:222	Analytical Geometry-Calculus II	4
4200:121	Chemical Engr. Computations	2
	Speaking Elective	3

17

Summer

Second Year

Fall

3650:291	Elementary Classical Physics I	4
3150:263	Organic Chemistry I	3
3150:265	Organic Chemistry Lab	2
3450:223	Analytical Geometry-Calculus III	4
4200:200	Material and Energy Balances	4
4200:210	Proj. Management&Teamwork II	1

18

Spring

3650:292	Elementary Classical Physics II	4
3150:264	Organic Chemistry II	3
4200:225	Equilibrium Thermodynamics	4
3450:335	Intro. to Ordinary Differential Equations	3
4300:201	Statics	3

17

Summer

4100:300	<i>Possible Co-op</i>	

Third Year

Fall

3150:313	Physical Chemistry I	3
4200:353	Mass Transfer Operations	3
4200:321	Transport Phenomena	3
4200:341	Process Economics	2
4200:310	Proj. Management&Teamwork III	1
3250:244	Intro. to Economic Analysis	3
	Advanced Math Elective	2

17

Spring

4100:301	<i>Mandatory Co-Op</i>	

3150:314	Physical Chemistry II	3
	Domestic or Global Diversity Elective	3
	Social Science Elective (DD or GD)	3

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Fourth Year

Fall

4100:302	<i>Mandatory Co-Op</i>	

4200:330	Chemical Reaction Engineering	3
4200:351	Fluid & Thermal Operations	3
4200:305	Materials Science	2
4200:360	Chemical Engineering Lab	3
	Humanities or Arts Elective	3

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Summer

4100:403	<i>Mandatory Co-Op</i>	

Fifth Year

Fall

4200:435	Process Analysis & Control	3
4200:441	Process Design I	3
4200:410	Proj. Management&Teamwork IV	1
	Humanities Elective (CT)	3-4
	Advanced Chemistry Elective	3

13-14

Spring

4200:442	Process Design II (CS-TENTATIVE)	3
4400:307	Basic Electrical Engineering	4
4200:xxx	Chemical Engineering Elective	3
4200:xxx	Chemical Eng. Design Elective	3
	Arts Elective	3

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Summer

Notes:
 See Undergraduate Bulletin for Approved General Education Courses (Speaking, Social Science, Humanities and Arts Electives)

See Chemical and Biomolecular Engineering Departmental Advisor for Approved Chemical Engineering Electives

Corrosion Engineering 42500BS with Co-Op

The following information has official approval of the **College of Engineering**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
3150:151	<i>Principles of Chemistry I (Lecture and Recitation) (Natural Science Requirement)</i>	3	Placement into 3450:149 or higher or permission
3150:152	<i>Principles of Chemistry I Lab (Natural Science Requirement)</i>	1	3150:151 corequisite
3450:221	<i>Analytic Geometry-Calculus I (Mathematics Requirement)</i>	4	Placement Test or 3450:149 with C- or better
4250:101	Tools for Corrosion Engineering	2	3450:149 corequisite
4200:110	Project Management and Teamwork I	1	
	<i>English Composition I Requirement</i>	3	Appropriate placement by advisor
	<i>Physical Education/Wellness</i>	1	
		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3150:153	Principles of Chemistry II (Lecture And Rec.)	3	3150:151
3150:154	Qualitative Analysis	2	3150:152 prerequisites, and 3150:153 corequisite
3450:222	Analytic Geometry-Calculus II	4	3450:221 with C- or better
4250:105	Materials Science for Corrosion Engineering	2	4250:101 prerequisite, and 3150:153 corequisite
	<i>English Composition II Requirement</i>	3	3300:111 or equivalent
	<i>Speech/Oral Communication Requirement</i>	3	
		17	

1 st Year	Summer Semester	Credit Hours	Prerequisites
	Optional Internship		

2 nd Year	Fall Semester	Credit Hours	Prerequisites
4250:200	Material and Energy Balances for Corrosion Engineers*	4	3450:221, 3150:151, 4250:105
4200:210	Project Management and Teamwork II	1	4200:110
3150:263	Organic Chemistry Lecture I	3	3150:153
3150:265	Organic Chemistry Lab (and Discussion)	2	3150:154 prerequisite; 3150:263 corequisite
3450:223	Analytic Geometry-Calculus III	4	3450:222 with C- or better
3650:291	<i>Elementary Classical Physics I (Lecture and Lab) (Natural Science Requirement)</i>	4	3450:221
		18	

*A student must have a grade of C- or better in this course to complete the program.

2 nd Year	Spring Semester	Credit Hours	Prerequisites
4200:225	Equilibrium Thermodynamics	4	4200:200 or 4250:200 and 3450:223
3150:264	Organic Chemistry Lecture II	3	3150:263
3450:335	Introduction to Ordinary Differential Equations	3	3450:223 with C- or better
3650:292	Elementary Classical Physics II (Lecture & Lab)	4	3650:291
4200:305	Materials Science	2	3150:153 and 3650:292
		16	

2 nd Year Summer Semester			
	Optional Co-op		

3 rd Year Fall Semester			
4300:201	Statics	3	3450:222, 3650:291, corequisites
4400:307	Basic Electrical Engineering	4	3650:292 prerequisite; and 3450:335 corequisite
4250:300	Fundamentals Of Aqueous Corrosion	3	Prerequisites: 4250:105, 3150:264, 4200:225, 4300:201; corequisites: 4250:301, 4300:202, 4400:307,
4250:301	Aqueous Corrosion Lab I	1	4250:101, 4250:105, 3150:265 prerequisites 4250:300 corequisite
4200:321	Transport Phenomena (lecture and recitation)	3	4250:200 and 3450:335
4200:310	Project Management and Teamwork III	1	4200:210
		15	

3 rd Year Spring Semester			
	Co-Op Assignment I		

3 rd Year Summer Semester			
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Social Science Requirement</i>	3	
4300:202	Mechanics of Solids (lecture and recitation)	3	4300:201
		8	

4 th Year Fall Semester			
	Co-Op Assignment II		

4 th Year Spring Semester			
	<i>Humanities Requirement</i>	3	
3250:244	<i>Intro to Economic Analysis (Social Science Requirement)</i>	3	
4250:305	Corrosion Prevention (Aq)	3	4250:300 prerequisite; 4250:306 corequisite
4250:306	Corrosion Lab II	1	4250:301 prerequisite; 4250:305 corequisite
3150:xxx or 3100:xxx	Chemistry Elective -OR- Biology Elective	3	
3150:424	Analytical Chemistry II	3	3150:154 and 3150:264
		16	

4 th Year Summer Semester			
	Co-Op Assignment III		

5 th Year Fall Semester			
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credit hours and 3300:112 equivalent
4250:310	Fundamentals of Dry Corrosion	3	4250:300 prerequisite; 4250:311 corequisite
4250:311	High Temp Corrosion Lab	1	4250:306 prerequisite; 4250:310 corequisite
4250:440	Corrosion Management I	3	
4250:xxx	Corrosion Engineering Elective	3	
4200:410	Project Management and Teamwork IV	1	4200:310
		15	

5 th Year Spring Semester			
	<i>Humanities Requirement</i>	3	
4250:xxx	Corrosion Engineering Elective	3	
4250:441	Corrosion Management II	3	4250:440

	Design Elective	3	
	Design Elective	3	
		15	

	Minimum Total Credits for Degree	136	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

Corrosion Engineering Program information Ed Evans, evanse@uakron.edu 330-972-8292

Web Address: www.chemical.uakron.edu

IN GENERAL: The purpose of the Corrosion Engineering curriculum is to prepare men and women for professional careers in the practical application of chemistry, mathematics, and physics to develop economic ways of controlling the degradation of materials.

SALARY LEVEL: Salary levels for Corrosion Engineers are competitive with other engineering disciplines.

JOB DESCRIPTION: Corrosion engineers develop approaches for preserving materials used for many applications including industrial and national infrastructure, defense and environmental assets, and biomedical devices. Corrosion engineers also design new materials and structures that will address emerging needs in a variety of industries including energy, chemical processing and pharmaceuticals.

JOB LOCALE: Corrosion Engineers find acceptance in virtually every industrial classification because of their knowledge of materials and ability to work with a multidisciplinary team. Opportunities are found in large and small companies all over the world, governmental agencies, and in one's own business.

TRANSFER TO COLLEGE OF ENGINEERING: To be admitted to the college, the student must:

- Complete at least 30 semester hours of coursework post high school
- Complete Calculus 2 with a C- or higher
- Have a 2.3 grade point average in at least three of the following categories:
 - in all coursework
 - in all engineering coursework
 - in all required mathematics coursework
 - in all required science coursework (chemistry, physics, computer science, biology)

Admission of students who do not meet the above requirements will be considered by the dean or representative only if the request originates by an Engineering department head or representative.

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

CO-OP OPTION: Students can choose between a five-year program, which includes up to four semesters of co-op experience, or a four-year program without co-op experience. The Co-op Program provides an opportunity to gain real-world, relevant experience while working toward a bachelor's degree. Students who participate in the Co-op Program earn money to help fund their education, graduate with 12 or more months of career-related experience, and often receive a higher starting salary after graduation. More information about the Co-op Program can be found at engineering.uakron.edu/coop

PLACEMENT: The Engineering Co-op and Placement Office, ASEC 203, Akron, Ohio 44325 assists all graduates with full-time placement.

WOMEN AND MINORITY ENGINEERS: Eligible students are invited to register into the applicable engineering course elective. There are two options; 4100:110, Women in Engineering Seminar & Peer Group (Contact: Heidi Cressman, 330-972-7701, or hec9@uakron.edu). This course provides beginning women students an overview of the career opportunities for women in engineering. The course introduces relevant topics in engineering, an overview of career opportunities, student led discussion groups and an opportunity to meet with professionals in various engineering disciplines. The other option is 4100:120, Minority Engineering Seminar and Peer Groups (Contact: Julie Zhao, 330-972-2823, or zhao1@uakron.edu). This course provides an overview of disciplines and opportunities in engineering. It also reinforces educational/ career choices and provides role models of successful minority engineers.

(Jackson)

Corrosion Engineering 42500BS

The following information has official approval of the **College of Engineering**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
3150:151	<i>Principles of Chemistry I (Lecture and Recitation) (Natural Science Requirement)</i>	3	Placement into 3450:149 or higher or permission
3150:152	<i>Principles of Chemistry I Lab (Natural Science Requirement)</i>	1	3150:151, corequisite
3450:221	<i>Analytic Geometry-Calculus I</i>	4	Placement Test or 3450:149 with C- or better
4250:101	Tools for Corrosion Engineering	2	3450:149 (Precalculus) or higher and 4200:110, corequisite
4200:110	Project Management and Teamwork I	1	
	<i>English Composition I Requirement</i>	3	Appropriate placement by advisor
	<i>Physical Education/Wellness</i>	1	
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3150:153	Principles of Chemistry II (Lect. And Rec.)	3	3150:151
3150:154	Qualitative Analysis	2	3150:152, prerequisite 3150:153, corequisite
3450:222	Analytic Geometry-Calculus II	4	3450:221 with C- or better
4250:105	Corrosion Engineering Computations	2	4250:101 or 4200:101 prerequisite, and 3150:153 corequisite
	<i>English Composition II Requirement</i>	3	3300:111 or equivalent
	<i>Speech/Oral Communication Requirement</i>	3	
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
4250:200	Material and Energy Balances for Corrosion Engineers*	4	3450:221, 3150:151, 4250:105 or 4200:121
4200:210	Project Management and Teamwork II	1	4200:110
3150:263	Organic Chemistry Lecture I	3	3150:153
3150:265	Organic Chemistry Lab (and Discussion)	2	3150:154 prerequisite; 3150:263, corequisite
3450:223	Analytic Geometry-Calculus III	4	3450:222 with C- or better
3650:291	<i>Elementary Classical Physics I (Lecture and Lab) (Natural Science Requirement)</i>	4	3450:221
Total		18	

*A student must have a grade of C- or better in this course to complete the program.

2 nd Year	Spring Semester	Credit Hours	Prerequisites
4200:225	Equilibrium Thermodynamics	4	4200:200 or 4250:200 and 3450:223
3150:264	Organic Chemistry Lecture II	3	3150:263
3450:335	Introduction to Ordinary Differential Equations	3	3450:223 with C- or better
3650:292	Elementary Classical Physics II (Lecture & Lab)	4	3650:291
4200:305	Materials Science	2	3150:153 and 3650:292
Total		16	

3 rd Year	Fall Semester	Credit Hours	Prerequisites
4300:201	Statics	3	3450:222, 3650:291 corequisites
4400:307	Basic Electrical Engineering	4	3650:292 prerequisite; 3450:335 corequisite

4250:300	Fund. Of Aqueous Corrosion	3	Prerequisites: 4250:105, 3150:264, 4200:225, 4300:201 corequisites: 4250:301, 4300:202, 4400:320
4250:301	Aqueous Corrosion Lab I	1	4250:101, 4250:105, 3150:265, prerequisites 4250:300, co-requisite
4200:321	Transport Phenomena (lecture and recitation)	3	4250:200 and 3450:335
4200:310	Project Management and Teamwork III	1	4200:210
Total		15	

3rd Year Spring Semester

	<i>Humanities Requirement</i>	3	
3250:244	<i>Intro to Economic Analysis (Social Science Requirement)</i>	3	
4250:305	Corrosion Prevention (Aq)	3	4250:300, 3150:263 prerequisite; 4250:306, 4300:202, 4400:307 corequisite
4250:306	Corrosion Lab II	1	4250:301 prerequisite; 4250:305 co-requisite
3150:xxx or 3100:xxx	Chemistry Elective -OR- Biology Elective	3	
3150:424	Analytical Chemistry II	3	3150:154 and 3150:264
Total		16	

3rd Year Summer Semester

	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Social Science Requirement (not economics)</i>	3	
4300:202	Mechanics of Solids (lecture and recitation)	3	4300:201
Total		8	

4th Year Fall Semester

3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credit hours and 3300:112 equivalent 32 credit hours and 3300:112 equivalent
4250:310	Fundamentals Of Dry Corrosion	3	4250:300 prerequisite; 4250:311 corequisite
4250:311	High Temp Corrosion Lab	1	4250:306 prerequisite; 4250:310 corequisite
4250:440	Corrosion Management I	3	4250:305
4250:xxx	Corrosion Engineering Elective	3	
4200:410	Project Management and Teamwork IV	1	4200:310
Total		15	

4th Year Spring Semester

	<i>Humanities Requirement</i>	3	
4250:xxx	Corrosion Engineering Elective	3	
4250:441	Corrosion Management II	3	4250:440
	Design Elective	3	
	Design Elective	3	
Total		15	

	Minimum Total Credits for Degree	136	
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(Jackson)

TENTATIVE
Entering Fall 2018 or later

First Year

Fall			Spring			Summer		
3150:151	Principles of Chemistry I	3	3150:153	Principles of Chemistry II	3			
3150:152	Principles of Chem I Lab	1	3150:154	Qualitative Analysis	2			
3300:111	English Composition I	3	3300:112 or	English Composition II or	3			
3450:221	Analytical Geometry-Calculus I	4	2020:222	Technical Report Writing	4			
4250:101	Tools for Corrosion Engineering	2	3450:222	Analytical Geometry-Calculus II	4			
4200:110	Proj. Management & Teamwork I	1	4250:105	Corrosion Engineering Computations	2			
		14		Speaking Elective	3			

Second Year

Fall			Spring			Summer		
3650:291	Elementary Classical Physics I	4	3650:292	Elementary Classical Physics II	4			
3150:263	Organic Chemistry I	3	3150:264	Organic Chemistry II	3			
3150:265	Organic Chemistry Lab	2	4200:305	Materials Science	2	4100:300	<i>Possible Co-op</i>	
3450:223	Analytical Geometry-Calculus III	4	3450:335	Intro. To Ordinary Differential Equations	3			
4250:200	Material & Energy Balances for Corrosion Eng.	4	4200:225	Equilibrium Thermodynamics	4			
4200:210	Proj. Management & Teamwork II	1						
		16			16			

Third Year

Fall			Spring			Summer		
4200:321	Transport Phenomena	3				4300:202	Mechanics of Solids	3
4400:307	Basic Electrical Engineering	4					Domestic or Global Diversity Elective	3
4250:300	Fundamentals Of Aqueous Corrosion	3	4100:301	<i>Mandatory Co-Op</i>			Social Science Elective (DD or GD)	3
4250:301	Corrosion Lab I	1						
4300:201	Statics	3						
4200:310	Proj. Management & Teamwork III	1						
		15						9

Fourth Year

Fall			Spring			Summer		
			3250:244	Intro. to Economic Analysis	3			
			4250:305	Corrosion Prevention (Aq)	3			
4100:302	<i>Mandatory Co-Op</i>		4250:306	Corrosion Lab II	1	4100:403	<i>Mandatory Co-Op</i>	
			3150:424	Analytical Chemistry II	3			
			3150 or					
			3100: xxx	Chemistry or Biology Elective	3			
				Humanities or Arts Elective	3			
					16			

Fifth Year

Fall			Spring			Summer		
4250:310	Fundamentals of High Temp Corrosion	3	4250:441	Corrosion Management II (CS - TENTATIVE)	3			
4250:311	High Temp Corrosion Lab	1	4250:xxx	Corrosion Engineering Elective	3			
4250:440	Corrosion Management I	3	4xxx:xxx	Design Elective	3			
4250:xxx	Corrosion Engineering Elective	3	4xxx:xxx	Design Elective	3			
4200:410	Proj. Management & Teamwork IV	1		Arts Elective	3			
	Humanities Elective (CT)	3-4						
		14-15			15			

Notes:
 See Undergraduate Bulletin for Approved General Education Courses (Speaking, Social Science, Humanities and Arts Electives)

See Chemical and Biomolecular Engineering Departmental Advisor for Approved Corrosion Engineering Electives

Corrosion Engineering 42500BS with Co-Op

The following information has official approval of the **College of Engineering**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
3150:151	<i>Principles of Chemistry I (Lecture and Recitation) (Natural Science Requirement)</i>	3	Placement into 3450:149 or higher or permission
3150:152	<i>Principles of Chemistry I Lab (Natural Science Requirement)</i>	1	3150:151 corequisite
3450:221	<i>Analytic Geometry-Calculus I (Mathematics Requirement)</i>	4	Placement Test or 3450:149 with C- or better
4250:101	Tools for Corrosion Engineering	2	3450:149 corequisite
4200:110	Project Management and Teamwork I	1	
	<i>English Composition I Requirement</i>	3	Appropriate placement by advisor
	<i>Physical Education/Wellness</i>	1	
		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3150:153	Principles of Chemistry II (Lecture And Rec.)	3	3150:151
3150:154	Qualitative Analysis	2	3150:152 prerequisites, and 3150:153 corequisite
3450:222	Analytic Geometry-Calculus II	4	3450:221 with C- or better
4250:105	Materials Science for Corrosion Engineering	2	4250:101 prerequisite, and 3150:153 corequisite
	<i>English Composition II Requirement</i>	3	3300:111 or equivalent
	<i>Speech/Oral Communication Requirement</i>	3	
		17	

1 st Year	Summer Semester	Credit Hours	Prerequisites
	Optional Internship		

2 nd Year	Fall Semester	Credit Hours	Prerequisites
4250:200	Material and Energy Balances for Corrosion Engineers*	4	3450:221, 3150:151, 4250:105
4200:210	Project Management and Teamwork II	1	4200:110
3150:263	Organic Chemistry Lecture I	3	3150:153
3150:265	Organic Chemistry Lab (and Discussion)	2	3150:154 prerequisite; 3150:263 corequisite
3450:223	Analytic Geometry-Calculus III	4	3450:222 with C- or better
3650:291	<i>Elementary Classical Physics I (Lecture and Lab) (Natural Science Requirement)</i>	4	3450:221
		18	

*A student must have a grade of C- or better in this course to complete the program.

2 nd Year	Spring Semester	Credit Hours	Prerequisites
4200:225	Equilibrium Thermodynamics	4	4200:200 or 4250:200 and 3450:223
3150:264	Organic Chemistry Lecture II	3	3150:263
3450:335	Introduction to Ordinary Differential Equations	3	3450:223 with C- or better
3650:292	Elementary Classical Physics II (Lecture & Lab)	4	3650:291
4200:305	Materials Science	2	3150:153 and 3650:292
		16	

2 nd Year Summer Semester			
	Optional Co-op		

3 rd Year Fall Semester			
4300:201	Statics	3	3450:222, 3650:291, corequisites
4400:307	Basic Electrical Engineering	4	3650:292 prerequisite; and 3450:335 corequisite
4250:300	Fundamentals Of Aqueous Corrosion	3	Prerequisites: 4250:105, 3150:264, 4200:225, 4300:201; corequisites: 4250:301, 4300:202, 4400:307,
4250:301	Aqueous Corrosion Lab I	1	4250:101, 4250:105, 3150:265 prerequisites 4250:300 corequisite
4200:321	Transport Phenomena (lecture and recitation)	3	4250:200 and 3450:335
4200:310	Project Management and Teamwork III	1	4200:210
		15	

3 rd Year Spring Semester			
	Co-Op Assignment I		

3 rd Year Summer Semester			
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Social Science Requirement</i>	3	
4300:202	Mechanics of Solids (lecture and recitation)	3	4300:201
		8	

4 th Year Fall Semester			
	Co-Op Assignment II		

4 th Year Spring Semester			
	<i>Humanities Requirement</i>	3	
3250:244	<i>Intro to Economic Analysis (Social Science Requirement)</i>	3	
4250:305	Corrosion Prevention (Aq)	3	4250:300 prerequisite; 4250:306 corequisite
4250:306	Corrosion Lab II	1	4250:301 prerequisite; 4250:305 corequisite
3150:xxx or 3100:xxx	Chemistry Elective -OR- Biology Elective	3	
3150:424	Analytical Chemistry II	3	3150:154 and 3150:264
		16	

4 th Year Summer Semester			
	Co-Op Assignment III		

5 th Year Fall Semester			
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credit hours and 3300:112 equivalent
4250:310	Fundamentals of Dry Corrosion	3	4250:300 prerequisite; 4250:311 corequisite
4250:311	High Temp Corrosion Lab	1	4250:306 prerequisite; 4250:310 corequisite
4250:440	Corrosion Management I	3	
4250:xxx	Corrosion Engineering Elective	3	
4200:410	Project Management and Teamwork IV	1	4200:310
		15	

5 th Year Spring Semester			
	<i>Humanities Requirement</i>	3	
4250:xxx	Corrosion Engineering Elective	3	
4250:441	Corrosion Management II	3	4250:440

	Design Elective	3	
	Design Elective	3	
		15	

	Minimum Total Credits for Degree	136	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

Corrosion Engineering Program information Ed Evans, evanse@uakron.edu 330-972-8292

Web Address: www.chemical.uakron.edu

IN GENERAL: The purpose of the Corrosion Engineering curriculum is to prepare men and women for professional careers in the practical application of chemistry, mathematics, and physics to develop economic ways of controlling the degradation of materials.

SALARY LEVEL: Salary levels for Corrosion Engineers are competitive with other engineering disciplines.

JOB DESCRIPTION: Corrosion engineers develop approaches for preserving materials used for many applications including industrial and national infrastructure, defense and environmental assets, and biomedical devices. Corrosion engineers also design new materials and structures that will address emerging needs in a variety of industries including energy, chemical processing and pharmaceuticals.

JOB LOCALE: Corrosion Engineers find acceptance in virtually every industrial classification because of their knowledge of materials and ability to work with a multidisciplinary team. Opportunities are found in large and small companies all over the world, governmental agencies, and in one's own business.

TRANSFER TO COLLEGE OF ENGINEERING: To be admitted to the college, the student must:

- Complete at least 30 semester hours of coursework post high school
- Complete Calculus 2 with a C- or higher
- Have a 2.3 grade point average in at least three of the following categories:
 - in all coursework
 - in all engineering coursework
 - in all required mathematics coursework
 - in all required science coursework (chemistry, physics, computer science, biology)

Admission of students who do not meet the above requirements will be considered by the dean or representative only if the request originates by an Engineering department head or representative.

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

CO-OP OPTION: Students can choose between a five-year program, which includes up to four semesters of co-op experience, or a four-year program without co-op experience. The Co-op Program provides an opportunity to gain real-world, relevant experience while working toward a bachelor's degree. Students who participate in the Co-op Program earn money to help fund their education, graduate with 12 or more months of career-related experience, and often receive a higher starting salary after graduation. More information about the Co-op Program can be found at engineering.uakron.edu/coop

PLACEMENT: The Engineering Co-op and Placement Office, ASEC 203, Akron, Ohio 44325 assists all graduates with full-time placement.

WOMEN AND MINORITY ENGINEERS: Eligible students are invited to register into the applicable engineering course elective. There are two options; 4100:110, Women in Engineering Seminar & Peer Group (Contact: Heidi Cressman, 330-972-7701, or hec9@uakron.edu). This course provides beginning women students an overview of the career opportunities for women in engineering. The course introduces relevant topics in engineering, an overview of career opportunities, student led discussion groups and an opportunity to meet with professionals in various engineering disciplines. The other option is 4100:120, Minority Engineering Seminar and Peer Groups (Contact: Julie Zhao, 330-972-2823, or zhao1@uakron.edu). This course provides an overview of disciplines and opportunities in engineering. It also reinforces educational/ career choices and provides role models of successful minority engineers.

(Jackson)

Civil Engineering 43000BS

The following information has official approval of the **College of Engineering**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
3150:151	<i>Principles of Chemistry I (Lecture and Recitation) (Natural Science Requirement)</i>	3	Placement into 3450:149 (Precalculus) or higher or permission
3150:152	<i>Principles of Chemistry I Lab (Natural Science Requirement)</i>	1	3150:151, corequisite
3450:221	<i>Analytic Geometry-Calculus I</i>	4	Placement Test or 3450:149 (PreCalculus) with C- or better
4300:120	Intro. To Civil Design	2	
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>English Composition I Requirement</i>	3	Appropriate placement by advisor
	<i>Social Science Requirement</i>	3	
Total		18	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3150:153	Principles of Chemistry II (Lecture And Rec)	3	3150:151
3450:222	Analytic Geometry-Calculus II	4	3450:221 with C- or better
4300:101	Tools for Civil Engineering (Lecture and Lab)	3	3450:149 (Precalculus) or higher, co-requisite
	<i>English Composition Requirement</i>	3	3300:111 or equivalent
	<i>Physical Education/Wellness Requirement</i>	1	
	<i>Social Science Requirement</i>	3	
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3450:223	Analytic Geometry-Calculus III	4	3450:222 with C- or better
3650:291	Elementary Classical Physics I (Lect and Lab)	4	3450:221
4300:201	Statics (Lecture & Problem Session)	3	3450:222 & 3650:291, corequisites
2980:101 or 3350:405	Basic Surveying (Lecture & Lab) OR Geographic Systems Information	3	3350:305 or permission
3370:101 or 3370:105	Physical Geology (Lec and Lab) OR Physical Geology for Engineers (Lec and Lab)	3	
Total		17	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
4300:202	Mechanics of Solids (Lecture and Problem)	3	4300:201
4600:203	Dynamics (Lecture and Problem)	3	3450:222, 3650:291, 4300:201, prerequisites 3450:223, corequisite
3450:335	Introduction to Ordinary Differential Equations	3	3450:223 with C- or better
3650:292	<i>Elementary Classical Physics II (Lecture & Lab)(Natural Science Requirement)</i>	4	3650:291
4300:321	Intro to Environmental Engineering	3	3150:153, 3450:222
Total		16	

3 rd Year		Fall Semester	
4300:313	Soil Mechanics	3	4300:202
4300:306	Theory of Structures	3	4300:202
4300:380	Engineering Materials Lab (Lect and Lab)	3	4300:202
4600:310	Fluid Mechanics I (Lect and Problem)	2	4600:203 and 3450:335
3470:401 or 3470:461	Probability and Statistics for Engineers OR Applied Statistics	2 or 4	3450:222
	<i>Humanities Elective Requirement</i>	3	
Total		16-18	

3 rd Year		Spring Semester	
4300:323	Water Supply and Pollution Control	3	4300:321
4300:314	Geotechnical Engineering (Lect and Lab)	3	4300:313
4300:401	Steel Design	3	4300:306
4300:361	Transportation Engineering	3	64 credits
4300:341	Hydraulic Engineering (Lect and Lab)	4	4600:310
	<i>Area Studies/ Cultural Diversity Requirement</i>	2-3	
Total		18-19	

4 th Year		Fall Semester	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World since 1300</i>	4	32 credit hours and 3300:112 equivalent
	Technical Elective*	3	32 credit hours and 3300:112 equivalent
4400:307	Basic Electrical Engineering	4	3650:292 prerequisite; 3450:335 corequisite
4300:390	Civil Engineering Seminar	1	Department Consent
4300:403	Reinforced Concrete Design	3	4300:306
4300:443	Applied Hydraulics	3	4300:341
Total		18	

4 th Year		Spring Semester	
4300:471	Construction Administration	3	96 credits
4300:490	Senior Design	3	96 credits
4600:305	Thermal Science (Lecture and Problem)	2	3450:223 prerequisite; 3650:292 corequisite
	<i>Humanities Elective Requirement</i>	3	
	Technical Elective*	3	
Total		14	

	Minimum Total Credits for Degree	136-138 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

*Students must select 6 credit hours of technical elective of which at least 3 credit hours must be from the Civil Engineering Department. Prerequisites vary for these courses. Please consult the Undergraduate Bulletin for course descriptions and prerequisites.

**Department Chair - Dr. Wieslaw Binienda, Auburn Science Center 216, (330) 972-6693,
E-Mail: wbinienda@uakron.edu & Web Address: www.civil.uakron.edu**

DESCRIPTION OF PROFESSION: The degree in Civil Engineering prepares the graduate engineer for a career in engineering design and/or construction. There are five areas of Civil Engineering emphasized at Akron: Structural/Construction, concerned with the design of buildings, bridges, and other engineered structures; Environmental, chiefly concerned with water supply and with reduction of pollution from waste water, contaminated sediments and soils; Geotechnical, concerned with foundations of structures, embankments and interactions with the earth; Hydraulic Engineering, concerned with the utilization and control of

water; and Transportation, concerned with planning and design of roads, airports and other transportation facilities, and with their efficient utilization. The curriculum is flexible enough to permit concentration in an area or a general emphasis on civil engineering.

CIVIL ENGINEERS find a wide range of employment opportunities. Civil engineers are employed by federal, state, county, and city governments. Others work for engineering consultants as designers, construction companies, transportation agencies and companies, oil and other energy companies, and for industrial companies as designers and managers of facilities. A wide range of specializations is available for graduate education. Holders of MSCE are especially sought by specialized consultants. Holders of the Ph.D. are employed by consultants, research organizations, and educational institutions.

SALARY LEVEL: Starting salary offers for new graduates average \$49,324 per year. They range from \$41,350 to \$74,000.

CO-OP OPTION: An entering student has the option between a five-year program (including a year of experience), and a four-year program without experience. The Co-op Program provides income (65% of the average monthly starting salary for the first co-op, 70% for the second, 75% for the third, and 80% for the fourth) per month for the actual time in industry, and integrated experience and a year of experience to add to his/her qualifications upon graduation. Election of the non-co-op option offers the advantage of an earlier graduation which enables the student to proceed on career objectives one year earlier. Details of the co-operative program are provided in a co-op brochure. A student must be in sequence in math, science, and engineering courses to be eligible for the first co-op in the spring semester of the third year. Questions regarding co-op option should be directed to **Deanna Dunn, Auburn Science & Engineering Center 203, (330) 972-7849.**

TRANSFER TO COLLEGE OF ENGINEERING: To be admitted to the college, the student must:

- Complete at least 30 semester hours of coursework post high school
- Complete Calculus 2 with a C- or higher
- Have a 2.3 grade point average in at least three of the following categories:
 - in all coursework
 - in all engineering coursework
 - in all required mathematics coursework
 - in all required science coursework (chemistry, physics, computer science, biology)

Admission of students who do not meet the above requirements will be considered by the dean or representative only if the request originates by an Engineering department head or representative.

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

CO-OP OPTION: Students can choose between a five-year program, which includes up to four semesters of co-op experience, or a four-year program without co-op experience. The Co-op Program provides an opportunity to gain real-world, relevant experience while working toward a bachelor's degree. Students who participate in the Co-op Program earn money to help fund their education, graduate with 12 or more months of career-related experience, and often receive a higher starting salary after graduation. More information about the Co-op Program can be found at engineering.uakron.edu/coop

PLACEMENT: The Engineering Co-op and Placement Office, ASEC 203, Akron, Ohio 44325 assists all graduates with full-time placement.

WOMEN AND MINORITY ENGINEERS: Eligible students are invited to register into the applicable engineering course elective. There are two options; 4100:110, Women in Engineering Seminar & Peer Group (Contact: Heidi Cressman, 330-972-7701, or hec9@uakron.edu). This course provides beginning women students an overview of the career opportunities for women in engineering. The course introduces relevant topics in engineering, an overview of career opportunities, student led discussion groups and an opportunity to meet with professionals in various engineering disciplines. The other option is 4100:120, Minority Engineering Seminar and Peer Groups (Contact: Julie Zhao, 330-972-2823, or zhao1@uakron.edu). This course provides an overview of disciplines and opportunities in engineering. It also reinforces educational/ career choices and provides role models of successful minority engineers.

(Jackson)

TENTATIVE
entering Fall 2018 or later

First Year

Fall			Spring			Summer		
3150:151	Principles of Chemistry I	3	3150:153	Principles of Chemistry II	3			
3150:152	Principles of Chem I Lab	1	3450:222	Analytical Geometry-Calculus II	4			
3300:111	English Composition I	3	3300:112 or	English Composition II or	3			
3450:221	Analytical Geometry-Calculus I	4	2020:222	Technical Report Writing	3			
	Speaking Elective	3	4300:101	Tools for Civil Engineering II	3			
4300:120	Tools for Civil Engineering I	3		Social Science Elective (DD or GD)	3			
17			16					

Second Year

Fall			Spring			Summer		
3650:291	Elementary Classical Physics I	4	3650:292	Elementary Classical Physics II	4			
4300:201	Statics	3	3450:335	Intro. To Ordinary Differential Equations	3			
2980:101 or	Basic Surveying or	3	4300:202	Mechanics of Solids	3	4100:300	<i>Possible Co-op</i>	
3350:405**	Geographical Info Systems	3	4600:203	Dynamics	3			
3450:223	Analytical Geometry-Calculus III	4	4300:321	Intro. Environmental Engineering	3			
	Social Science Elective (DD or GD)	3						
17			16					

Third Year

Fall			Spring			Summer		
4300:313	Soil Mechanics	3				4600:305	Thermal Science	2
4300:323	Water Supply and Pollution Cntrl	3	4100:301	<i>Mandatory Co-Op</i>			Humanities Elective (CT)	3-4
4300:306	Theory of Structures	3				4300:xxx	4300 class from spring 4th year	[3]
4600:310	Fluid Mechanics	2						
	Humanities or Arts Elective	3						
	CE Technical/Professional Requirement	3						5-9
17								

Fourth Year

Fall			Spring			Summer		
			4300:380	Materials Lab	3			
			4300:314	Geotechnical Engineering	3			
4100:302	<i>Mandatory Co-Op</i>		4300:361	Transportation Engineering	3	4100:403	<i>Mandatory Co-Op</i>	
			4300:341	Hydraulic Engineering	3			
			4300:401	Steel Design	3			
			15					

Fifth Year

Fall			Spring			Summer		
4300:403	Reinforced Concrete Design	3		CE Technical/Professional Requirement	3			
4400:307	Basic Electrical Engineering	4	4300:490	Senior Design in Civil Engineering (CS TENTATIVE)	3			
	CE Technical/Professional Requirement	3	4300:471	Construction Administration	3			
	CE Technical/Professional Requirement	3		Arts Elective	3			
	CE Technical/Professional Requirement	3						
16			12					

Notes:

See Honors Distribution Form for Approved Honors Electives and Colloquium
 See Civil Engineering Departmental Office for Approved Technical/Professional Requirements

**Students need permission from the instructor or completion of 3350:305 Maps & Map Reading to take 3350:405 Geographical Information Systems



Department of Electrical and Computer Engineering
B.S. Electrical Engineering

3/21/17

137 credits

TENTATIVE
entering Fall 2017 or later

First Year

Fall			Spring			Summer		
3150:151	Principles of Chemistry I	3	3650:291	Elementary Classical Physics I	4			
3150:152	Principles of Chem I Lab	1	4450:220	Digital Logic Design	4			
3300:111	English Composition I	3	3300:112*	English Composition II	3			
3450:221	Analytic Geometry-Calculus I	4	3450:222	Analytic Geometry-Calculus II	4			
4400:101	Tools for Electrical Engineering	3		Social Science Elective (DD)	3			
14			18					

Second Year

Fall			Spring			Summer		
3650:292	Elementary Classical Physics II	4	4300:201	Statics	3			
3450:223	Analytic Geometry-Calculus III	4	3450:335	Intro. To Ordinary Differential Equations	3			
4400:230	Circuits I Lab	1	4400:330	Circuits II Lab	1			
4400:231	Circuits I	3	4400:332	Circuits II	3			
	Humanities	3-4	4450:208	Programming for Engineers	3			
	Speaking Elective	3		Social Science Elective (GD)	3			
15			16					

Third Year

Fall			Spring			Summer		
4400:340	Signals & Systems	4	4400:309	Design Project Seminar	1	3470:401	Prob. & Stat. for Engineers	2
4400:360	Physical Electronics	3	4400:341	Intro. Communications Systems	3	4200:305 or 4600:305	Materials Science or Thermal Science	2
4400:353	Electromagnetics I	4	4400:354	Electromagnetics II	3	4400:303	Research III (Optional)	1
4400:381	Energy Conversion	4	4400:361	Electronic Design	4			
4300:202 or 4600:203	Intro. To Mechanics of Solids or Dynamics	3	4400:371	Control Systems I	4			
4400:301	Research I (Optional)	1	4400:302	Research II (Optional)	1			
18-19			15-16			4-5		

Fourth Year

Fall			Spring			Summer		
4400:401	Senior Design Project I (CT)	2	4400:402	Senior Design Project II (CS)	3			
	Electrical Eng. Elective	3		Electrical Eng. Elective	3			
	Electrical Eng. Elective	3		Electrical Eng. Elective	3			
	Electrical Eng. Elective	3		Electrical Eng. Elective	3			
	Arts Elective	3		Humanities or Arts Elective	3			
14			15					

Notes:

*While 3300:112 English Composition II is preferred, 2020:222 Technical Report Writing is accepted to fulfill the English composition elective.

See Undergraduate Bulletin for Approved General Education Courses

Up to three credits of undergraduate research in Electrical Engineering may be applied to program requirements as Electrical Engineering Electives
 Students may take at most one credit of undergraduate research in a semester.

See Electrical and Computer Engineering Departmental Office for Approved Electrical Engineering Electives (including Breadth and Depth requirements)

First Year											
Fall				Spring				Summer			
3150:151	Principles of Chemistry I	3		3650:291	Elementary Classical Physics I	4					
3150:152	Principles of Chem I Lab	1		4450:220	Digital Logic Design	4					
3300:111	English Composition I	3		3300:112*	English Composition II	3					
3450:221	Analytic Geometry-Calculus I	4		3450:222	Analytic Geometry-Calculus II	4					
4400:101	Tools for Electrical Engineering	3			Social Science Elective (DD)	3					
14				18							

Second Year											
Fall				Spring				Summer			
3650:292	Elementary Classical Physics II	4		4300:201	Statics	3					
3450:223	Analytic Geometry-Calculus III	4		3450:335	Intro. To Ordinary Differential Equations	3					
4400:230	Circuits I Lab	1		4400:330	Circuits II Lab	1	4100:300	<i>Possible Co-op</i>			
4400:231	Circuits I	3		4400:332	Circuits II	3					
	Humanities	3-4		4450:208	Programming for Engineers	3					
	Speaking Elective	3			Social Science Elective (GD)	3					
18-19				16							

Third Year											
Fall				Spring				Summer			
4400:340	Signals & Systems	4						3470:401	Prob. & Stat. for Engineers	2	
4400:360	Physical Electronics	3						4200:305 or 4600:305	Material Science or Thermal Science	2	
4400:353	Electromagnetics I	4		4100:301	<i>Mandatory Co-Op</i>			4400:302	<i>Research II (Optional)</i>		1
4400:381	Energy Conversion	4									
4300:202 or 4300:203	Intro. To Mechanics of Solids or Dynamics	3									
4400:301	<i>Research I (Optional)</i>		1								
18-19								4-5			

Fourth Year											
Fall				Spring				Summer			
				4400:309	Design Project Seminar	1					
				4400:341	Intro. Communications Systems	3					
4100:302	<i>Mandatory Co-Op</i>			4400:354	Electromagnetics II	3	4100:403	<i>Mandatory Co-Op</i>			
				4400:361	Electronic Design	4					
				4400:371	Control Systems I	4					
				4400:303	<i>Research III (Optional)</i>		1				
15-16											

Fifth Year											
Fall				Spring				Summer			
4400:401	Senior Design Project I (CT)	2		4400:402	Senior Design Project II	3					
	Electrical Engineering Elective	3			Electrical Engineering Elective	3					
	Electrical Engineering Elective	3			Electrical Engineering Elective	3					
	Electrical Engineering Elective	3			Electrical Engineering Elective	3					
	Arts Elective	3			Humanities or Arts Elective	3					
14				15							

Notes:

*While 3300:112 English Composition II is preferred, 2020:222 Technical Report Writing is accepted to fulfill the English composition elective. See Undergraduate Bulletin for Approved General Education Courses

Up to three credits of undergraduate research in Electrical Engineering may be applied to program requirements as Electrical Engineering Electives. Students may take at most one credit of undergraduate research in a semester.

See Electrical and Computer Engineering Departmental Office for Approved Electrical Engineering Electives (including Breadth and Depth requirements)



Department of Electrical and Computer Engineering
B.S. Computer Engineering

3/21/17

137 credits

TENTATIVE
entering Fall 2017 or later

First Year

Fall			Spring			Summer		
3150:151	Principles of Chemistry I	3	3650:291	Physics I	4			
3150:152	Principles of Chem I Lab	1	4450:220	Digital Logic Design	4			
3300:111	English Composition I	3	3300:112*	English Composition II	3			
3450:221	Analytic Geometry-Calculus I	4	3450:222	Analytic Geometry-Calculus II	4			
4450:101	Tools for Computer Engineering	3	3450:208	Discrete Math	4			
14			19					

Second Year

Fall			Spring			Summer		
3650:292	Elementary Classical Physics II	4	4450:320	Computer Systems	3			
3460:209	Computer Science I	4	3460:210	Computer Science II	4			
	Speaking Elective	3		Humanities	3-4			
3450:223	Analytic Geometry-Calculus III	4	3450:335	Intro. To Ordinary Differential Equations	3			
4400:230	Circuits I Lab	1	4400:330	Circuits II Lab	1			
4400:231	Circuits I	3	4400:332	Circuits II	3			
19			17-18					

Third Year

Fall			Spring			Summer		
4400:340	Signals & Systems	4	4450:309	Design Project Seminar	1	3470:401	Prob. & Stat. for Engineers	2
4400:360	Physical Electronics	3	4450:367	VLSI Design	3		Social Science Elective (GD)	3
4450:325	Operating Systems Concepts	3	4450:420	Computer Sys. Design	3	4450:303	Research 3 (Optional)	1
4450:422	Embedded Systems Interfacing	3	4450:427	Computer Networks	3			
	Social Science Elective (DD)	3	4450:440	Digital Signal Processing	3			
4450:301	Research I (Optional)	1	4450:302	Research II (Optional)	1			
16-17			13-14			5 - 6		

Fourth Year

Fall			Spring			Summer		
4450:401	Senior Design Project I (CT)	2	4450:402	Senior Design Project II (CS)	3			
	Computer Engineering Elective	3		Computer Engineering Elective	3			
	Computer Engineering Elective	3		Computer Engineering Elective	3			
	Computer Engineering Elective	3		Computer Engineering Elective	3			
	Humanities Elective	3		Humanities or Arts Elective	3			
14			15					

Notes:

*While 3300:112 English Composition II is preferred, 2020:222 Technical Report Writing is accepted to fulfill the English composition elective.

See Undergraduate Bulletin for Approved General Education Courses

Up to three credits of undergraduate research in Computer Engineering may be applied to program requirements as Computer Engineering Electives
 Students may take at most one credit of undergraduate research in a semester.

See Electrical and Computer Engineering Departmental Office for Approved Computer Engineering Electives (including Breadth and Depth requirements)



TENTATIVE
 entering Fall 2017 or later

137 credits

First Year

Fall			Spring			Summer		
3150:151	Principles of Chemistry I	3	3650:291	Physics I	4			
3150:152	Principles of Chem I Lab	1	4450:220	Digital Logic Design	4			
3300:111	English Composition I	3	3300:112*	English Composition II	3			
3450:221	Analytic Geometry-Calculus I	4	3450:222	Analytic Geometry-Calculus II	4			
4450:101	Tools for Computer Engineering	3	3450:208	Discrete Math	4			
14			19					

Second Year

Fall			Spring			Summer		
3650:292	Elementary Classical Physics II	4	4450:320	Computer Systems	3			
3460:209	Computer Science I	4	3460:210	Computer Science II	4			
	Speaking Elective	3		Humanities	3-4	4100:300	<i>Possible Co-op</i>	
3450:223	Analytic Geometry-Calculus III	4	3450:335	Intro. To Ordinary Differential Equations	3			
4400:230	Circuits I Lab	1	4400:330	Circuits II Lab	1			
4400:231	Circuits I	3	4400:332	Circuits II	3			
19			17-18					

Third Year

Fall			Spring			Summer		
4400:340	Signals & Systems	4				3470:401	Prob. & Stat. for Engineers	2
4400:360	Physical Electronics	3					Social Science Elective (GD)	3
4450:325	Operating Systems Concepts	3	4100:301	<i>Mandatory Co-Op</i>		4450:302	<i>Research II (Optional)</i>	1
4450:422	Embedded Systems Interfacing	3						
	Social Science Elective (DD)	3						
4450:301	<i>Research I (Optional)</i>	1						
16-17						5-6		

Fourth Year

Fall			Spring			Summer		
			4450:309	Design Project Seminar	1			
			4450:367	VLSI Design	3			
4100:302	<i>Mandatory Co-Op</i>		4450:420	Computer Systems Design	3	4100:403	<i>Mandatory Co-Op</i>	
			4450:427	Computer Networks	3			
			4450:440	Digital Signal Processing	3			
			4450:303	<i>Research III (Optional)</i>	1			
			13-14					

Fifth Year

Fall			Spring			Summer		
4450:401	Senior Design Project I (CT)	2	4450:402	Senior Design Project II (CS)	3			
	Computer Engineering Elective	3		Computer Engineering Elective	3			
	Computer Engineering Elective	3		Computer Engineering Elective	3			
	Computer Engineering Elective	3		Computer Engineering Elective	3			
	Arts Elective	3		Humanities or Arts Elective	3			
14			15					

Notes:

*While 3300:112 English Composition II is preferred, 2020:222 Technical Report Writing is accepted to fulfill the English composition elective.
 See Undergraduate Bulletin for Approved General Education Courses

Up to three credits of undergraduate research in Computer Engineering may be applied to program requirements as Computer Engineering Electives
 Students may take at most one credit of undergraduate research in a semester.

See Electrical and Computer Engineering Departmental Office for Approved Computer Engineering Electives (including Breadth and Depth requirements)

Mechanical Engineering 46000BS

The following information has official approval of the **College of Engineering**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at [http://www.uakron.edu/advising/docs/General Education Guide.pdf](http://www.uakron.edu/advising/docs/General_Education_Guide.pdf)

1 st Year	Fall Semester	Credit Hours	Prerequisites
3150:151	<i>Principles of Chemistry I (Lecture and Recitation) (Natural Science Requirement)</i>	3	Placement into 3450:149 (Precalculus) or higher
3150:152	<i>Principles of Chemistry I Lab (Natural Science Requirement)</i>	1	3150:151 corequisite
3450:221	<i>Analytic Geometry-Calculus I</i>	4	Placement Test or 3450:149 (PreCalculus)
4600:165	Tools for Mechanical Engineering(Lect and Lab)	3	3450:149 (PreCalculus) or higher corequisite
	<i>Physical Education Requirement</i>	1	
	<i>English Composition I Requirement</i>	3	Appropriate placement by advisor
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3450:222	Analytic Geometry-Calculus II	4	3450:221 with C- or better
3150:153	Principles of Chemistry II (Lecture and Rec)	3	3150:151
	<i>English Composition II Requirement</i>	3	3300:111 or equivalent
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>Social Science Requirement (not economics)</i>	3	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3450:223	Analytic Geometry-Calculus III	4	3450:222 with C- or better
3650:291	<i>Physics I (Lecture and Lab) (Natural Science Requirement)</i>	4	3450:221 with C- or better
4300:201	Statics	3	3450:222 and 3650:291 corequisites
3250:244	<i>Intro to Economic Analysis (Social Science Requirement)</i>	3	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World since 1300</i>	4	32 credit hours and 3300:112 equivalent
Total		18	32 credit hours and 3300:112 equivalent

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3650:292	Physics II (Lecture and Lab)	4	3650:291
4600:203	Dynamics (Lecture and Problem)	3	3450:222, 3650:291, 4300:201 prerequisites 3450:223 corequisite
3450:335	Introduction to Ordinary Differential Equations	3	3450:223 with C- or better
4300:202	Mechanics of Solids (Lecture and Problem)	3	4300:201
4600:260	Engineering Analysis I	2	3450:222 prerequisite; 3450:223 corequisite
Total		15	

3 rd Year	Fall Semester	Credit Hours	Prerequisites
4600:300	Thermodynamics I (Lecture and Problem)	3	3450:223 prerequisite; 3650:292 corequisite
4600:310	Fluid Mechanics I (Lecture and Problem)	2	4600:203 and 3450:335
4600:321	Kinematics of Machines	2	4600:203 and Tools
4600:336	Analysis of Mechanical Components (Lecture)	3	4300:202 prerequisite; 3450:335 corequisite

	and Problem)		
4600:360	Engineering Analysis II (Lecture and Problem)	2	4600:260, 3450:335
3470:401	Probability and Statistics for Engineers	2	3450:222
Total		14	

3rd Year Spring Semester

4600:315	Heat Transfer (Lecture and Problem)	3	4600:310 or 4800:360; 4600:300; 4600:360 or 4800:220
4600:337	Design of Mechanical Components	3	4600:336
4600:340	Systems Dynamics and Response (Lecture and Problem)	3	4600:203 and 3450:335
4600:483	ME Measurements Lab (Lecture and Lab)	2	4600:300 and 4600:310 prerequisites 4600:340 corequisite
4600:301	Thermodynamics II	2	4600:300 and 3450:335
	<i>Humanities Elective Requirement</i>	3	
Total		16	

3rd Year Summer Semester

4600:311	Fluid Mechanics II	3	4600:310
4600:380	Mechanical Metallurgy	2	3150:153 prerequisite; 4300:202 corequisite
4600:431	Fundamentals of Mechanical Vibrations	3	4600:203 and 3450:335
Total		8	

4th Year Fall Semester

4600:400	Thermal System Components (Lecture and Problem)	3	4600:310, 4600:311 and 4600:315
4600:441	Control Systems Design (Lecture and Problem)	3	4600:340
4600:460	Concepts of Design (Lecture and Design)	3	4600:460
4600:461	ME Senior Design Project I	2	Department consent required 4600:400, 4600:441 and 4600:460 corequisites
4600:484	Mechanical Engineering Laboratory	2	4600:301, 4600:311, 4600:315, 4600:380, 4600:431, 4600: 483 prerequisites 4600:441 corequisite
4600:402	Senior Seminar	1	4600:401, 4600:461 or 4700:499 prerequisites 4600:400, 4600:441, 4600: 460 corequisites
	ME Elective*	3	
Total		17	

4th Year Spring Semester

4600:471	ME Senior Design Project II	2	Department consent, 4600:461
4400:307	Basic Electrical Engineering	4	3650:292 prerequisite; 3450:335 corequisite
	ME Elective*	3	
	ME Elective*	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
	<i>Humanities Requirement</i>	3	
Total		17	

	Minimum Total Credits for Degree	136 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

*Electives must include 3 credits of Mechanical Engineering design elective, 3 credits technical elective and 3 credits Mechanical Engineering technical elective.

**Department Chair, Dr. Sergio Felicelli, 101 Auburn Science and Engineering, (330) 972-7731 or (330) 972-7672.
E-Mail: sergio@uakron.edu & Web Address: www.uakron.edu/engineering/ME/**

IN GENERAL: Mechanical Engineering is a branch of engineering concerned with the production, transmission, and storage of energy and motion and the design and analysis of physical systems to carry out these objectives. The curriculum is based on a firm grounding in mathematics and physical sciences with further study in the engineering sciences and design including solid mechanics, thermal sciences, control systems, fluid flow, energy system design and mechanical system design.

SALARY LEVEL: Starting salary offers for new graduates range from \$30,000 to \$75,000 per year. The average is \$56,500.

CO-OP OPTION: Students can choose between a five-year program, which includes up to four semesters of co-op experience, or a four-year program without co-op experience. The Co-op Program provides an opportunity to gain real-world, relevant experience while working toward a bachelor's degree. Students who participate in the Co-op Program earn money to help fund their education, graduate with 12 or more months of career-related experience, and often receive a higher starting salary after graduation. More information about the Co-op Program can be found at engineering.uakron.edu/coop.

OUT-OF-PHASE STUDENTS: A student who is out of phase with his/her class through course failure, transfer, etc. should be aware of the importance of giving priority to Mathematics, Physics, Statics, Mechanics of Solids, and Dynamics in scheduling. These courses are prerequisites to other engineering courses and should be completed as early as possible.

STUDENT ACTIVITIES: A student interested in Mechanical Engineering is encouraged to affiliate with the student section of the American Society of Mechanical Engineers. This society holds monthly meetings, plant tours and social events and provides an opportunity for the engineering student to learn more about the chosen field and to become acquainted with faculty members and fellow students. Student sections of the Society of Automotive Engineers and the American Institute for Aeronautics and Astronautics are also based in the Mechanical Engineering Department.

PLACEMENT: The Engineering Co-op and Placement Office, ASEC 203, Akron, Ohio 44325 assists all graduates with full-time placement.

TRANSFER TO COLLEGE OF ENGINEERING: To be admitted to the college, the student must:

- Complete at least 30 semester hours of coursework post high school
- Complete Calculus 2 with a C- or higher
- Have a 2.3 grade point average in at least three of the following categories:
 - in all coursework
 - in all engineering coursework
 - in all required mathematics coursework
 - in all required science coursework (chemistry, physics, computer science, biology)

Admission of students who do not meet the above requirements will be considered by the dean or representative only if the request originates by an Engineering department head or representative.

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

DIRECT ADMISSION TO MECHANICAL ENGINEERING: An entering freshman student will have the option of direct admission to the Department of Mechanical Engineering if he or she (1) had at least a 3.4 high school grade point average, (2) was in the upper 25% of his or her high school graduating class, and (3) had a core curriculum of four units of math including trigonometry with a grade of B or above and one unit of chemistry with a grade of B or above. In addition, the freshman must have either (1) a 24 ACT composite score with a 25 ACT math score or (2) a 1010 SAT composite score with a 560 SAT math score.

WOMEN AND MINORITY ENGINEERS: Eligible students are invited to register into the applicable engineering course elective. There are two options; 4100:110, Women in Engineering Seminar & Peer Group (Contact: Heidi Cressman, 330-972-7701, or hec9@uakron.edu). This course provides beginning women students an overview of the career opportunities for women in engineering. The course introduces relevant topics in engineering, an overview of career opportunities, student led discussion groups and an opportunity to meet with professionals in various engineering disciplines. The other option is 4100:120, Minority Engineering Seminar and Peer Groups (Contact: Julie Zhao, 330-972-2823, or zhao1@uakron.edu). This course provides an overview of disciplines and opportunities in engineering. It also reinforces educational/ career choices and provides role models of successful minority engineers.

(Jackson)

Entering Fall 2018 or later

First Year

Fall

3150:151	Principles of Chemistry I	3
3150:152	Principles of Chem I Lab	1
3300:111	English Composition I	3
3450:221	Analytical Geometry-Calculus I	4
4600:165	Tools for Mechanical Engineering	3

14

Spring

3150:153	Principles of Chemistry II	3
	Speaking Elective	3
3300:112 or	English Composition II or	
2020:222	Technical Report Writing	3
3450:222	Analytical Geometry-Calculus II	4
	Social Science Elective (DD or GD)	3

16

Summer

Second Year

Fall

3650:291	Elementary Classical Physics I	4
4300:201	Statics	3
3450:223	Analytical Geometry-Calculus III	4
3250:244	Intro to Economic Analysis	3
	Humanities Elective (CT)	3-4

17-18

Spring

3650:292	Elementary Classical Physics II	4
3450:335	Intro. To Ordinary Differential Equations	3
4600:203	Dynamics	3
4300:202	Mechanics of Solids	3
4600:260	Engineering Analysis I	2

15

Summer

4100:300	Possible Co-op	

Third Year

Fall

4600:300	Thermodynamics I	3
4600:310	Fluid Mechanics I	2
4600:321	Kinematics of Machines	2
4600:336	Analysis of Mechanical Components	3
3470:401	Prob. & Stats. For Engineers	2
4600:360	Engineering Analysis II	2

14

Spring

4100:301	Mandatory Co-Op	

Summer

4600:311	Fluid Mechanics II	3
4600:380	Mechanical Metallurgy	2
4600:340	Systems Dynamics & Response	3

8

Fourth Year

Fall

4100:302	Mandatory Co-Op	

Spring

4600:301	Thermodynamics II	2
4600:315	Heat Transfer	3
4600:337	Design of Mechanical Components	3
4600:431	Fundamentals Of Mechanical Vibrations	3
4600:483	Mechanical Eng Measurements Lab	2
4400:307	Basic Electrical Engineering	4

17

Summer

4100:403	Mandatory Co-Op	

Fifth Year

Fall

4600:400	Thermal System Components	3
4600:441	Control Systems Design	3
4600:460	Concepts of Design	3
4600:484	Mechanical Engineering Laboratory	2
	Mechanical Eng Senior Design Project I (CS)	2
4600:461		
4600:402	Senior Seminar	1
	Mechanical Engineering Elective	3

17

Spring

4600:471	Mechanical Engineering Senior Design	2
	Domestic or Global Diversity Elective	3
	Humanities Elective	3
	Arts Elective	3
	Mechanical Engineering Elective	3
	Mechanical Engineering Elective	3

17

Summer

Notes:
 See Undergraduate Bulletin for Approved General Education Courses (Speaking, Social Science, Humanities and Arts Electives)

ME Electives must include 3 credits Mechanical Engineering design elective, 3 credits Technical elective, and 3 credits Mechanical Engineering technical elective.
 See Mechanical Engineering Departmental Office for Approved Mechanical Engineering Electives

Biomedical Engineering (Biomechanics) 48001BS

The following information has official approval of the **College of Engineering**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
3150:151	<i>Principles of Chemistry I (Lecture and Recitation) (Natural Science Requirement)</i>	3	Placement into 3450:149 (Precalculus) or higher
3150:152	<i>Principles of Chemistry I Lab (Natural Science Requirement)</i>	1	3150:151, corequisite
3450:221	<i>Analytic Geometry-Calculus I</i>	4	Placement Test or 3450:149 (PreCalculus)
4800:101	Tools for BME	3	3450:149 (PreCalculus) or higher, corequisite
	<i>English Composition I Requirement</i>	3	Appropriate placement by advisor
Total		14	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3450:222	Analytic Geometry-Calculus II	4	3450:221 with C- or better
3150:153	Principles of Chemistry II (Lecture and Rec)	3	3150:151
3650:291	<i>Physics I (Lecture and Lab) (Natural Science Requirement)</i>	4	3450:221 with C- or better
4800:111	Intro to Biomedical Engineering Design (Lecture and Lab)	3	4800:101
	<i>English Composition II Requirement</i>	3	3300:111 or equivalent
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3450:223	Analytic Geometry-Calculus III	4	3450:222 with C- or better
3650:292	Physics II (Lecture and Lab)	4	3650:291
4300:201	Statics	3	3450:222 and 3650:291, corequisites
4800:201	BME Sophomore Seminar	1	4800:101 and 32 credit hours
3100:200	Anatomy and Physiology I Lecture	3	
3100:201	Anatomy and Physiology I Lab	1	3100:200, corequisite
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3100:202	Anatomy and Physiology II Lecture	3	3100:200
3100:203	Anatomy and Physiology II Lab	1	
4600:203	Dynamics (Lecture and Problem)	3	3450:222, 3650:291, 4300:201, prerequisites 3450:223, corequisite
3450:335	Introduction to Ordinary Differential Equations	3	3450:223 with C- or better
4300:202	Mechanics of Solids (Lecture and Problem)	3	4300:201
4800:220	Biomedical Computing	3	4800:101 and 3450:223
Total		16	

3 rd Year	Fall Semester	Credit Hours	Prerequisites
4600:300	Thermodynamics I	3	3450:223, prerequisite; 3650:292, corequisite
4600:321	Kinematics	2	4600:203 and (4600:165 or 4200:101 or 4300:101 or 4400:101 or 4800:101)
4800:362	Transport Fundamentals for BME	3	3450:335 and 4600:203
4800:365	Mechanics of Biological Tissues	3	4300:202 and 3450:335
	<i>Speech/Oral Communication Requirement</i>	3	
Total		14	

3rd Year Spring Semester			
4xxx:300 or 400 lvl	Engineering Elective	3	
4400:307	Basic Electrical Engineering	4	3650:292, prerequisite; 3450:335, corequisite
4800:310	Modeling and Simulation of Biomedical Systems	3	3450:335
4800:400	Biomaterials	3	
	BME Elective*	3	
Total		16	

3rd Year Summer Semester			
3470:461	Applied Statistics	4	3450:222
	<i>Social Science Requirement (not economics)</i>	3	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities on the World since 1300</i>	4	32 credit hours and 3300:112 equivalent
Total		11	

4th Year Fall Semester			
4800:491	BME Design I	2	4800:111, prerequisite; 4800:305, corequisite
4800:305	Intro to Biophysical Measurements	4	4800:101 and (4400:231 or 4400:307), prerequisites; 3100:202, corequisite
	BME Elective*	3	
3600:120	<i>Intro to Ethics (Humanities Requirement)</i>	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2-3	
	<i>Humanities Requirement</i>	3	
Total		17-18	

4th Year Spring Semester			
4600:420	Intro to Finite Element Method	3	4600:315 and 4300:202
	BME Elective	3	
4800:492	BME Design II	2	4800:491
4800:460/560	Experimental Techniques in Biomechanics	3	3150:153, 3450:335, 3650:292, 4600:203
	<i>Social Science Elective</i>	3	
	<i>Physical Education/Wellness Requirement</i>	1	
Total		15	

	Minimum Total Credits for Degree	137	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

*BME Electives must include a minimum of 3 credits from Biomedical Engineering (4800). All other electives may be chosen from a list of Approved Electives.

Professor and Department Chair: Dr. Brian L. Davis 330-972-6977 bdavis3@uakron.edu Web Address: www.uakron.edu/engineering/BME/

IN GENERAL: The Bachelor of Science in Biomedical Engineering was designed to provide an in-depth understanding of the fundamentals of engineering. The program focuses first on core engineering course work followed by advanced applications specific to the field of Biomedical Engineering.

The Biomechanics track is designed for those students who would pursue a Mechanical Engineering background with specialization in the areas of cardiovascular, orthopedic, rehabilitation engineering and system simulations.

3300:112 English Composition II is preferred, however 2020:222 Technical Report Writing will be accepted.

JOB OUTLOOK: Biomedical Engineering is a rapidly growing field. New companies are being developed each month. The job outlook is excellent. A graduate will also be prepared to enter graduate study in Engineering, Law, or medical school.

SALARY LEVEL: Starting salary offers for new graduates range from \$47,000 to \$61,200 per year with an average of \$51,500.

CO-OP OPTION: Students can choose between a five-year program, which includes up to four semesters of co-op experience, or a four-year program without co-op experience. The Co-op Program provides an opportunity to gain real-world, relevant experience while working toward a bachelor's degree. Students who participate in the Co-op Program earn money to help fund their education, graduate with 12 or more months of career-related experience, and often receive a higher starting salary after graduation. More information about the Co-op Program can be found at engineering.uakron.edu/coop.

PLACEMENT: The Engineering Co-op and Placement Office, ASEC 203, Akron, Ohio 44325 assists all graduates with full-time placement.

OUT-OF-PHASE STUDENTS: A student who is out of phase with his/her class through course failure, transfer, etc. should be aware of the importance of giving priority to Mathematics, Physics, Statics, Mechanics of Solids, and Dynamics in scheduling. These courses are prerequisites to other engineering courses and should be completed as early as possible.

STUDENT ACTIVITIES: A student interested in Mechanical Engineering is encouraged to affiliate with the student section of the American Society of Mechanical Engineers. This society holds monthly meetings, plant tours and social events and provides an opportunity for the engineering student to learn more about the chosen field and to become acquainted with faculty members and fellow students. Student sections of the Society of Automotive Engineers and the American Institute for Aeronautics and Astronautics are also based in the Mechanical Engineering Department.

TRANSFER TO COLLEGE OF ENGINEERING: To be admitted to the college, the student must:

- Complete at least 30 semester hours of coursework post high school
- Complete Calculus 2 with a C- or higher
- Have a 2.3 grade point average in at least three of the following categories:
 - in all coursework
 - in all engineering coursework
 - in all required mathematics coursework
 - in all required science coursework (chemistry, physics, computer science, biology)

Admission of students who do not meet the above requirements will be considered by the dean or representative only if the request originates by an Engineering department head or representative.

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron".

WOMEN AND MINORITY ENGINEERS: Eligible students are invited to register into the applicable engineering course elective. There are two options; 4100:110, Women in Engineering Seminar & Peer Group (Contact: Heidi Cressman, 330-972-7701, or hec9@uakron.edu). This course provides beginning women students an overview of the career opportunities for women in engineering. The course introduces relevant topics in engineering, an overview of career opportunities, student led discussion groups and an opportunity to meet with professionals in various engineering disciplines. The other option is 4100:120, Minority Engineering Seminar and Peer Groups (Contact: Julie Zhao, 330-972-2823, or zhao1@uakron.edu). This course provides an overview of disciplines and opportunities in engineering. It also reinforces educational/ career choices and provides role models of successful minority engineers.

(Jackson)



Department of Biomedical Engineering
B.S. Biomedical Engineering with Co-Op
(Biomechanics Track)

7/1/2017

TENTATIVE
entering Fall 2017 or later

First Year

Fall		
3300:111	English Composition I	3
3150:151	Principles of Chemistry I	3
3150:152	Principles of Chem I Lab	1
3450:221	Analytical Geometry-Calculus I	4
4800:101	Tools for Biomedical Engineering	3
		14

Spring		
3300:112 or 2020:222	English Composition II or Technical Report Writing	3
3150:153	Principles of Chemistry II	3
3650:291	Elementary Classical Physics I	4
3450:222	Analytical Geometry-Calculus II	4
4800:111	Intro Biomedical Engineering Design	3
		17

Summer		

Second Year

Fall		
3650:292	Elementary Classical Physics II	4
3450:223	Analytical Geometry-Calculus III	4
4300:201	Statics	3
4800:201	Biomedical Eng. Sophomore Sem	1
3100:200	Human Anatomy & Physiology I	3
3100:201	Human Anatomy & Physiology I Lab	1
		16

Spring		
3450:335	Intro. To Ordinary Differential Equations	3
4800:220	Biomedical Computing	3
4600:203	Dynamics	3
4300:202	Intro. to Mechanics of Solids	3
3100:202	Human Anatomy & Physiology II	3
3100:203	Human Anatomy & Physiology II Lab	1
		16

Summer		
4100:300	<i>Possible Co-op</i>	

Third Year

Fall		
4600:300	Thermodynamics I	3
4600:321	Kinematics of Machines	2
4800:362	Transport Fundamentals for BME	3
4800:365	Mechanics of Biological Tissues	3
	Speaking Elective	3
		14

Spring		
4100:301	<i>Mandatory Co-Op</i>	

Summer		
3470:461	Applied Statistics	4
	Humanities Elective (CT)	3-4
	Social Science Elective (DD or GD)	3
		10-11

Fourth Year

Fall		
4100:302	<i>Mandatory Co-Op</i>	

Spring		
4400:307	Basic Electrical Engineering	4
4800:310	Model & Simulation of Biomedical Sys	3
4800:400	Biomaterials	3
4xxx:3/400**	Engineering Elective	3
	Biomedical Engineering Elective	3
		16

Summer		
4100:403	<i>Mandatory Co-Op</i>	

Fifth Year

Fall		
4800:491	Biomedical Design I	2
4800:305	Intro to Biophysical Measurements	4
3600:120	Intro to Ethics	3
	Biomedical Engineering Elective	3
	Arts Elective	3
		15

Spring		
4800:492	Biomedical Design II (CS)	2
4800:460	Experimental Tech in Biomechanics	3
4600:420	Intro Finite Element Methods	3
	Biomedical Engineering Elective	3
	Social Science Elective (DD or GD)	3
		14

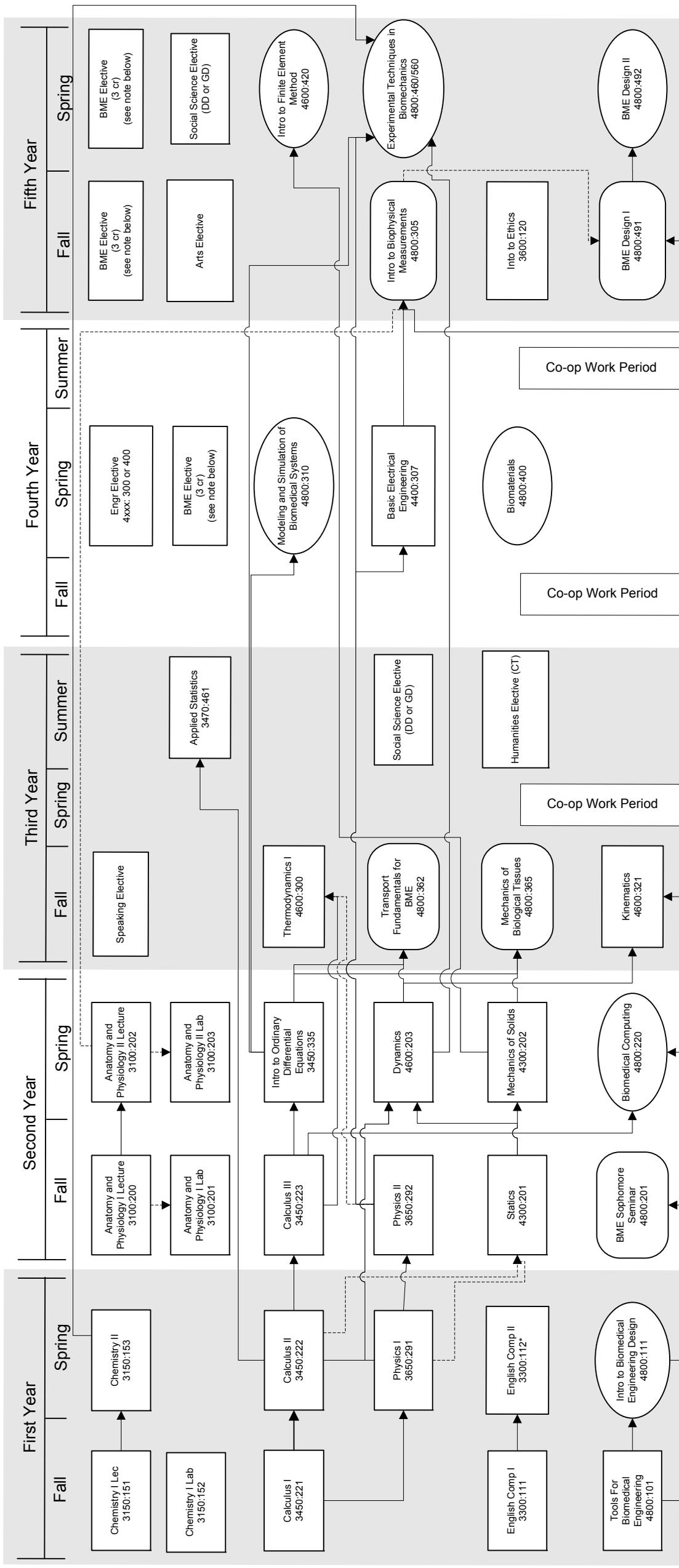
Summer		

Notes:
 See Undergraduate Bulletin for Approved General Education Courses (Speaking, Social Science, Humanities and Arts Electives)

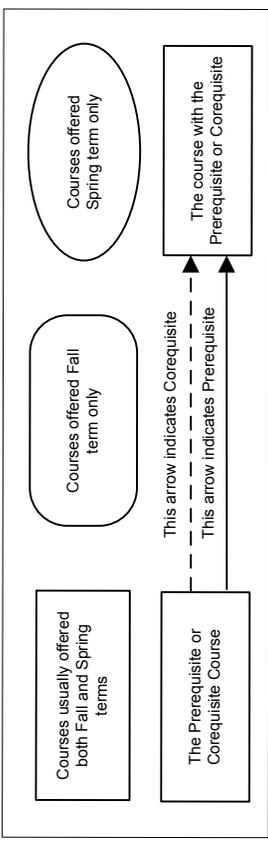
The 9 credits of BME Electives must include a minimum of 3 credits from a BME (4800) course.
 The other 6 credits of BME Electives must be 300-400 level engineering, math, physics, biology or chemistry courses.

**The Engineering Elective can be any 4xxx: 300 or 400 level course.

Curriculum Flow Chart - - Biomedical Engineering (Biomechanics) - Co-op



Student must select nine (9) credit hours of BME electives of which at least three (3) credit hours must be from the Department of Biomedical Engineering. Prerequisites vary for these courses. Please see the department for a list of approved electives.



Biomedical Engineering (Instrumentation, Signals and Imaging) 480005BS

The following information has official approval of the **College of Engineering**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
3150:151	<i>Principles of Chemistry I (Lecture and Recitation) (Natural Science Requirement)</i>	3	Placement into 3450:149 (Precalculus) or higher
3150:152	<i>Principles of Chemistry I Lab (Natural Science Requirement)</i>	1	3150:151, corequisite
3450:221	<i>Analytic Geometry-Calculus I</i>	4	Placement Test or 3450:149 (PreCalculus)
4800:101	Tools for BME	3	3450:149 (PreCalculus) or higher, corequisite
	<i>English Composition I Requirement</i>	3	Appropriate placement by advisor
Total		14	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3450:222	Analytic Geometry-Calculus II	4	3450:221 with C- or better
3150:153	Principles of Chemistry II (Lecture and Rec)	3	3150:151
3650:291	<i>Physics I (Natural Science Requirement)</i>	4	3450:221 with C- or better
4800:111	Intro to Biomedical Engineering Design	3	4800:101
	<i>English Composition II Requirement</i>	3	
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3450:223	Analytic Geometry-Calculus III	4	3450:222 with C- or better
3650:292	Physics II (Lecture and Lab)	4	3650:291
4400:230	Circuits I Laboratory	1	4400:231, corequisite
4400:231	Circuits I	3	4400:230, 3450:223, 3650:292, corequisites
4800:201	BME Sophomore Seminar	1	4800:101 and 32 credit hours
3100:200	Anatomy and Physiology I Lecture	3	
3100:201	Anatomy and Physiology I Lab	1	3100:200, corequisite
Total		17	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3100:202	Anatomy and Physiology II Lecture	3	3100:200
3100:203	Anatomy and Physiology II Lab	1	
3450:335	Introduction to Ordinary Differential Equations	3	3450:223 with C- or better
4400:330	Circuits II Laboratory	1	4400:332, corequisite
4400:332	Circuits II	3	4400:231, prerequisite 4400:330, 3450:335, corequisites
4450:220	Digital Logic Design (Lecture and Lab)	4	4400:101 or 4450:101, corequisites
4800:220	Biomedical Computing	3	4800:101 and 3450:223
Total		18	

3 rd Year	Fall Semester	Credit Hours	Prerequisites
4300:201	Statics	3	3450:222 and 3650:291, corequisites
4400:340	Signals and Systems	4	4400:332, (4450:208 or 3560:209), 3450:335
4400:360	Physical Electronics	3	4450:220, 4400:332

4800:305	Intro to Biophysical Measurement	4	4800:101 and (4400:231 or 4400:307), prerequisites; 3100:202, corequisite
	<i>Speech/Oral Communication Requirement</i>	3	
Total		17	

3rd Year Spring Semester

4600:203	Dynamics (Lecture and Problem)	3	3450:222, 3650:291, 4300:201, prerequisites 3450:223, corequisite
4800:310	Modeling and Simulation of Biomedical Systems	3	3450:335
	BME Elective	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2-3	
	<i>Humanities Elective Requirement</i>	3	
Total		14-15	

3rd Year Summer Semester

4600:305	Thermal Science (Lecture and Problem)	2	3450:223, prerequisite; 3650:292, corequisite
3470:461	Applied Statistics	4	3450:222
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities on the World since 1300</i>	4	32 credit hours and 3300:112 equivalent 32 credit hours and 3300:112 equivalent
Total		10	

4th Year Fall Semester

4800:491	BME Design I	2	4800:111, prerequisite, 4800:305, corequisite
4800:420	Biomedical Signals and Image Processing	3	4400:163 and 4400:343
4800:325	Design of Medical Devices	3	Jr or Sr Standing in College of Engineering, Polymer Science or Arts and Science
4800:430/530	Design of Medical Imaging Systems	3	3100:200, 3650:292, 4400:343, 4400:353, 4800:305
3600:120	<i>Intro to Ethics</i> <i>(Humanities Elective Requirement)</i>	3	
	<i>Social Science Requirement</i> (not economics)	3	
Total		17	

4th Year Spring Semester

	BME Elective	3	
	BME Elective	3	
4800:492	BME Design II	2	4800:491
4800:400	Biomaterials	3	
	<i>Social Science Elective</i>	3	
	<i>Physical Education/Wellness Requirement</i>	1	
Total		15	

	Minimum Total Credits for Degree	140 min	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

*BME Electives must include a minimum of 3 credits from Biomedical Engineering (4800). All other electives may be chosen from a list of Approved Electives.

Professor and Department Chair: Dr. Brian L. Davis 330-972-6977 bdavis3@uakron.edu Web Address:

www.uakron.edu/engineering/BME/

IN GENERAL: The Bachelor of Science in Biomedical Engineering was designed to provide an in-depth understanding of the fundamentals of engineering. The Biomed program focuses first on core engineering course work followed by advanced applications specific to the field of Biomedical Engineering.

The Instrumentation, Signals and Imaging track is designed for those students who wish to pursue an Electrical Engineering background with specialization in biomedical instrumentation, signal and image processing, imaging devices, detectors, and system simulations.

3300:112 English Composition II is preferred, however 2020:222 Technical Report Writing will be accepted.

JOB OUTLOOK: Biomedical Engineering is a rapidly growing field. New companies are being developed each month. The job outlook is excellent. A graduate will also be prepared to enter graduate study in Engineering, Law, or medical school.

SALARY LEVEL: Starting salary offers for new graduates range from \$47,000 to \$61,200 per year with an average of \$51,500.

CO-OP OPTION: Students can choose between a five-year program, which includes up to four semesters of co-op experience, or a four-year program without co-op experience. The Co-op Program provides an opportunity to gain real-world, relevant experience while working toward a bachelor's degree. Students who participate in the Co-op Program earn money to help fund their education, graduate with 12 or more months of career-related experience, and often receive a higher starting salary after graduation. More information about the Co-op Program can be found at engineering.uakron.edu/coop

PLACEMENT: The Engineering Co-op and Placement Office, ASEC 203, Akron, Ohio 44325 assists all graduates with full-time placement.

TRANSFER TO COLLEGE OF ENGINEERING: To be admitted to the college, the student must:

- Complete at least 30 semester hours of coursework post high school
- Complete Calculus 2 with a C- or higher
- Have a 2.3 grade point average in at least three of the following categories:
 - in all coursework
 - in all engineering coursework
 - in all required mathematics coursework
 - in all required science coursework (chemistry, physics, computer science, biology)

Admission of students who do not meet the above requirements will be considered by the dean or representative only if the request originates by an Engineering department head or representative.

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

WOMEN AND MINORITY ENGINEERS: Eligible students are invited to register into the applicable engineering course elective. There are two options; 4100:110, Women in Engineering Seminar & Peer Group (Contact: Heidi Cressman, 330-972-7701, or hec9@uakron.edu). This course provides beginning women students an overview of the career opportunities for women in engineering. The course introduces relevant topics in engineering, an overview of career opportunities, student led discussion groups and an opportunity to meet with professionals in various engineering disciplines. The other option is 4100:120, Minority Engineering Seminar and Peer Groups (Contact: Julie Zhao, 330-972-2823, or zhao1@uakron.edu). This course provides an overview of disciplines and opportunities in engineering. It also reinforces educational/ career choices and provides role models of successful minority engineers.

(Jackson)



Department of Biomedical Engineering
B.S. Biomedical Engineering with Co-Op
(Instrumentation, Signals & Imaging Track)

7/1/2017

TENTATIVE
entering Fall 2017 or later

First Year

Fall		
3150:151	Principles of Chemistry I	3
3150:152	Principles of Chem I Lab	1
3300:111	English Composition I	3
3450:221	Analytical Geometry-Calculus I	4
4800:101	Tools for Biomedical Engineering	3
14		

Spring		
3150:153	Principles of Chemistry II	3
3650:291	Elementary Classical Physics I	4
3300:112 or	English Composition II or	
2020:222	Technical Report Writing	3
3450:222	Analytical Geometry-Calculus II	4
4800:111	Intro Biomedical Engineering Design	3
17		

Summer		

Second Year

Fall		
3650:292	Elementary Classical Physics II	4
3450:223	Analytical Geometry-Calculus III	4
4800:201	Biomedical Eng.Sophomore Sem	1
3100:200	Human Anatomy & Physiology I	3
3100:201	Human Anatomy & Physiology I Lab	1
4400:231	Circuits I	3
4400:230	Circuits I Lab	1
17		

Spring		
4450:220	Digital Logic Design	4
3450:335	Intro. To Ordinary Differential Equations	3
4800:220	Biomedical Computing	3
3100:202	Human Anatomy & Physiology II	3
3100:203	Human Anatomy & Physiology II Lab	1
4400:332	Circuits II	3
4400:330	Circuits II Lab	1
18		

Summer		
4100:300	<i>Possible Co-op</i>	

Third Year

Fall		
4300:201	Statics	3
4400:343	Signals & Systems	4
4400:360	Physical Electronics	3
4800:305	Intro Biophysical Measurements	4
	Speaking Elective	3
17		

Spring		
4100:301	<i>Mandatory Co-Op</i>	

Summer		
4600:305	Thermal Science	2
3470:461	Applied Statistics	4
	Humanities Elective (CT)	3-4
9-10		

Fourth Year

Fall		
4100:302	<i>Mandatory Co-Op</i>	

Spring		
4600:203	Dynamics	3
4800:310	Model & Simulation of Biomedical Systems	3
	Biomedical Engineering Elective	3
	Social Science Elective (DD or GD)	3
	Arts Elective	3
15		

Summer		
4100:403	<i>Mandatory Co-Op</i>	

Fifth Year

Fall		
4800:491	Biomedical Design I	2
4800:420	Biomedical Signal & Image Proc	3
4800:430	Design of Medical Imaging Systems	3
4800:325	Design of Medical Devices	3
3600:120	Intro to Ethics	3
14		

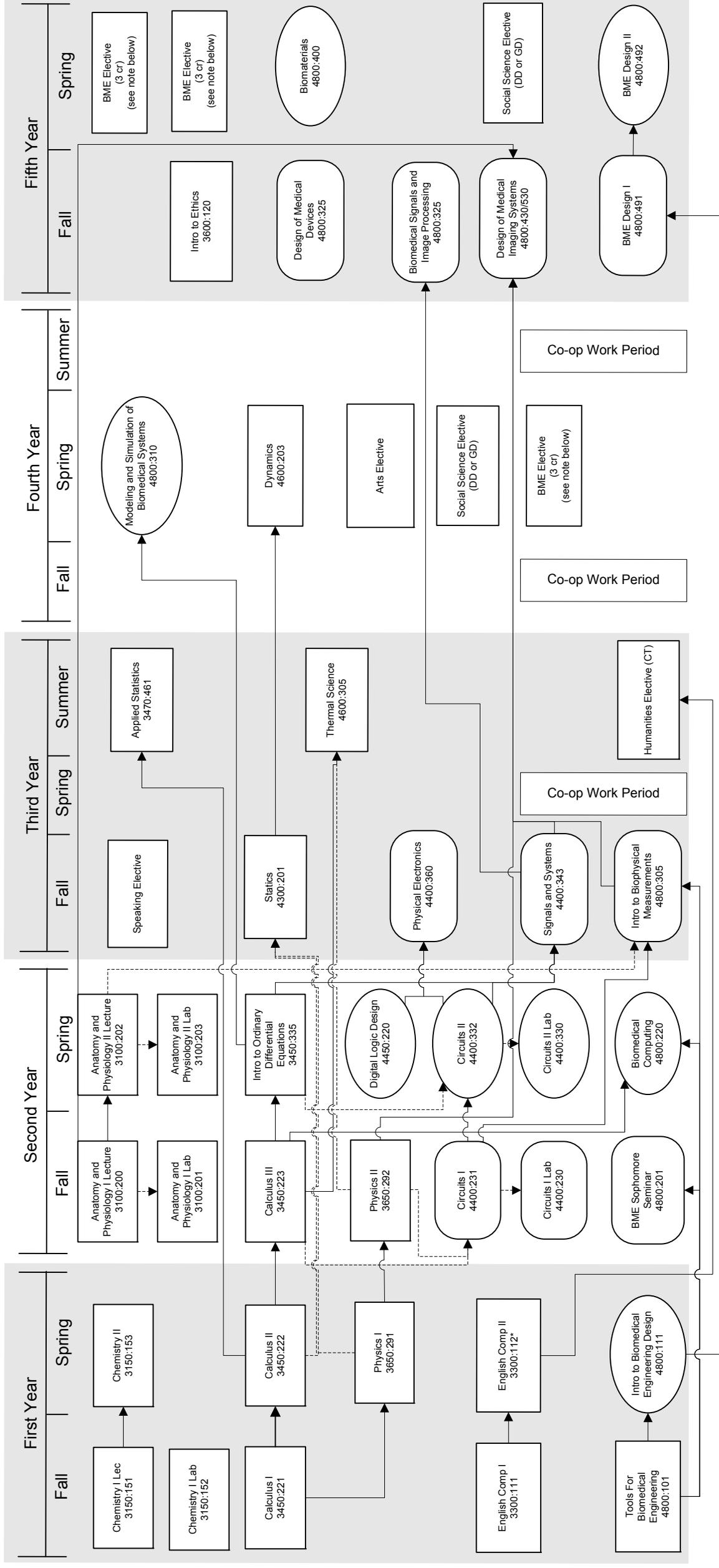
Spring		
4800:492	Biomedical Design II (CS)	2
4800:400	Biomaterials	3
	Biomedical Engineering Elective	3
	Biomedical Engineering Elective	3
	Social Science Elective (DD or GD)	3
14		

Summer		

Notes:
 See Undergraduate Bulletin for Approved General Education Courses (Speaking, Social Science, Humanities and Arts Electives)

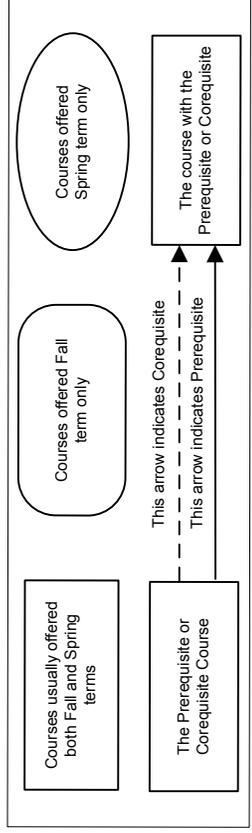
The 9 credits of BME Electives must include a minimum of 3 credits from a BME (4800) course.
 The other 6 credits of BME Electives must be 300-400 level engineering, math, physics, biology or chemistry courses.

Curriculum Flow Chart - Biomedical Engineering (Instrumentation, Signals and Imaging) - Co-op



Student must select nine (9) credit hours of BME electives of which at least three (3) credit hours must be from the Department of Biomedical Engineering. Prerequisites vary for these courses. Please see the department for a list of approved electives.

Rev. 7/1/2017



Biomedical Engineering (Biomaterials and Tissues) 480006BS

The following information has official approval of the **College of Engineering**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
3150:151	<i>Principles of Chemistry I (Lecture and Recitation) (Natural Science Requirement)</i>	3	Placement into 3450:149 (Precalculus) or higher
3150:152	<i>Principles of Chemistry I Lab (Natural Science Requirement)</i>	1	3150:151, corequisite
3450:221	<i>Analytic Geometry-Calculus I</i>	4	Placement Test or 3450:149 (PreCalculus)
4800:101	Tools for BME	3	3450:149 (PreCalculus) or higher, corequisite
	<i>English Composition I Requirement</i>	3	Appropriate placement by advisor
Total		14	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3450:222	Analytic Geometry-Calculus II	4	3450:221 with C- or better
3150:153	Principles of Chemistry II (Lecture and Rec)	3	3150:151
3650:291	<i>Physics I (Lecture and Lab) (Natural Science Requirement)</i>	4	3450:221 with C- or better
4800:111	Intro to Biomedical Engineering Design (Lecture and Lab)	3	4800:101
3150:154	Qualitative Analysis	2	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3450:223	Analytic Geometry-Calculus III	4	3450:222 with C- or better
3650:292	Physics II (Lecture and Lab)	4	3650:291
4300:201	Statics	3	3450:222 and 3650:291, corequisites
4800:201	BME Sophomore Seminar	1	4800:101 and 32 credit hours
3100:200	Anatomy and Physiology I Lecture	3	
3100:201	Anatomy and Physiology I Lab	1	3100:200, corequisite
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3100:202	Anatomy and Physiology II Lecture	3	3100:200
3100:203	Anatomy and Physiology II Lab	1	
4600:203	Dynamics (Lecture and Problem)	3	3450:222, 3650:291, 4300:201, prerequisites 3450:223, corequisite
3450:335	Introduction to Ordinary Differential Equations	3	3450:223 with C- or better
4300:202	Mechanics of Solids (Lecture and Problem)	3	4300:201
	<i>English Composition II Requirement</i>	3	3300:111 or equivalent
Total		16	

3 rd Year	Fall Semester	Credit Hours	Prerequisites
4200:321	Transport Phenomena (Lecture and Recitation)	3	4200:200 and 3450:335
3150:263	Organic Chemistry I	3	3150:153
3150:265	Organic Chemistry I Lab (and Discussion)	2	3150:154, prerequisite 3150:263, prerequisite or corequisite
4800:362	Transport Fundamentals for BME	3	3450:335, 3150:153, 3650:292, 4600:203

4800:365	Mechanics of Biological Tissues	3	4300:202 and 3450:335
	<i>Speech/Oral Communication Requirement</i>	3	
Total		17	

3rd Year Spring Semester

4600:300	Thermodynamics I	3	3450:223, prerequisite; 3650:292, corequisite
4400:307	Basic Electrical Engineering	4	3650:292, prerequisite; 3450:335, corequisite
4800:220	Biomedical Computing	3	4800:101 and 3450:223
4800:400	Biomaterials	3	
	<i>Humanities Requirement</i>	3	
Total		16	

3rd Year Summer Semester

3470:461	Applied Statistics	4	3450:222
	<i>Social Science Requirement (not economics)</i>	3-4	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World since 1300</i>	4	32 credit hours and 3300:112 32 credit hours and 3300:112
Total		11-12	

4th Year Fall Semester

4800:440	Advanced Biomaterials	3	4800:400
4800:491	BME Design I	2	4800:111, prerequisite; 4800:305, corequisite
4800:305	Intro to Biophysical Measurements	4	4800:101 and (4400:231 or 4400:307), prerequisites; 3100:202, corequisite
	BME Elective*	3	
3600:120	<i>Intro to Ethics (Humanities Requirement)</i>	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2-3	
Total		17-18	

4th Year Spring Semester

	BME Elective*	3	
	BME Elective*	3	
4800:492	BME Design II	2	4800:491
4800:445	Experimental Techniques in Biomaterials and Tissue Engineering (Lecture and Lab)	3	4800:440
	<i>Social Science Elective</i>	3	
	<i>Physical Education/Wellness Requirement</i>	1	
Total		15	

	Minimum Total Credits for Degree	139	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

*BME Electives must include a minimum of 3 credits from Biomedical Engineering (4800). All other electives may be chosen from a list of Approved Electives.

Professor and Department Chair: Dr. Brian L. Davis 330-972-6977 bdavis3@uakron.edu Web Address: www.uakron.edu/engineering/BME/

IN GENERAL: The Bachelor of Science in Biomedical Engineering was designed to provide an in-depth understanding of the fundamentals of engineering. The program focuses first on core engineering course work followed by advanced applications specific to the field of Biomedical Engineering.

The Biomechanics track is designed for those students who would pursue a Mechanical Engineering background with specialization in the areas of cardiovascular, orthopedic, rehabilitation engineering and system simulations.

3300:112 English Composition II is preferred, however 2020:222 Technical Report Writing will be accepted.

JOB OUTLOOK: Biomedical Engineering is a rapidly growing field. New companies are being developed each month. The job outlook is excellent. A graduate will also be prepared to enter graduate study in Engineering, Law, or medical school.

SALARY LEVEL: Starting salary offers for new graduates range from \$47,000 to \$61,200 per year with an average of \$51,500.

CO-OP OPTION: Students can choose between a five-year program, which includes up to four semesters of co-op experience, or a four-year program without co-op experience. The Co-op Program provides an opportunity to gain real-world, relevant experience while working toward a bachelor's degree. Students who participate in the Co-op Program earn money to help fund their education, graduate with 12 or more months of career-related experience, and often receive a higher starting salary after graduation. More information about the Co-op Program can be found at engineering.uakron.edu/coop

PLACEMENT: The Engineering Co-op and Placement Office, ASEC 203, Akron, Ohio 44325 assists all graduates with full-time placement.

TRANSFER TO COLLEGE OF ENGINEERING: To be admitted to the college, the student must:

- Complete at least 30 semester hours of coursework post high school
- Complete Calculus 2 with a C- or higher
- Have a 2.3 grade point average in at least three of the following categories:
 - in all coursework
 - in all engineering coursework
 - in all required mathematics coursework
 - in all required science coursework (chemistry, physics, computer science, biology)

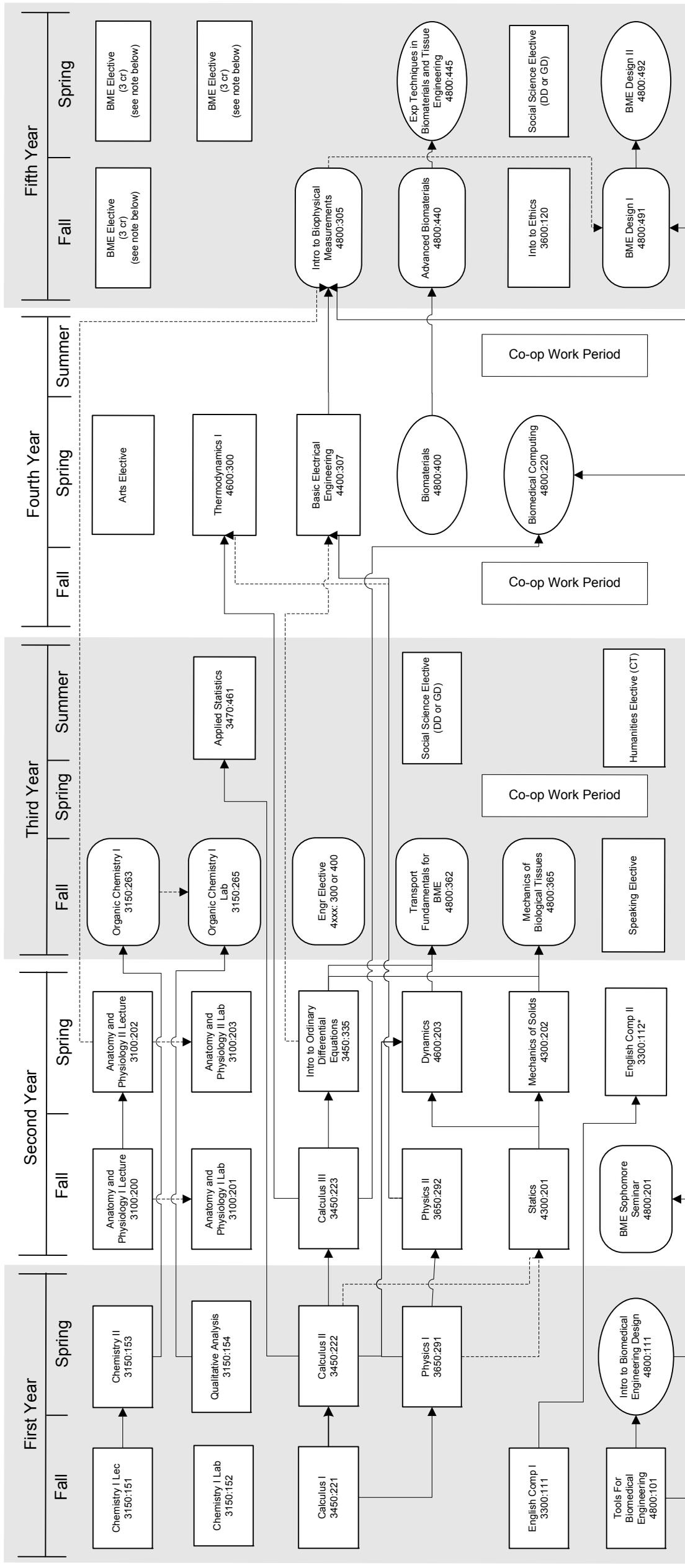
Admission of students who do not meet the above requirements will be considered by the dean or representative only if the request originates by an Engineering department head or representative.

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in "My Akron."

WOMEN AND MINORITY ENGINEERS: Eligible students are invited to register into the applicable engineering course elective. There are two options; 4100:110, Women in Engineering Seminar & Peer Group (Contact: Heidi Cressman, 330-972-7701, or hec9@uakron.edu). This course provides beginning women students an overview of the career opportunities for women in engineering. The course introduces relevant topics in engineering, an overview of career opportunities, student led discussion groups and an opportunity to meet with professionals in various engineering disciplines. The other option is 4100:120, Minority Engineering Seminar and Peer Groups (Contact: Julie Zhao, 330-972-2823, or zhao1@uakron.edu). This course provides an overview of disciplines and opportunities in engineering. It also reinforces educational/ career choices and provides role models of successful minority engineers.

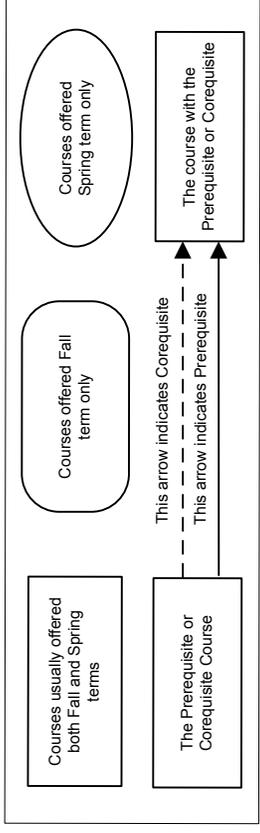
(Jackson)

Curriculum Flow Chart - - Biomedical Engineering (Biomaterials and Tissues) - Co-op



Student must select nine (9) credit hours of BME electives of which at least three (3) credit hours must be from the Department of Biomedical Engineering. Prerequisites vary for these courses. Please see the department for a list of approved electives.

Rev. 7/1/2017



Aerospace Systems Engineering 49000BS

The following information has official approval of the **College of Engineering**, but is intended only as a supplemental guide. Official degree requirements are established at the time of admission to the degree-granting college. The transfer process is completed through an appointment with your academic adviser.

For completion of this degree program, students will need to complete several required Co-Op's with corporations or governmental entities. If you are not a citizen or national of the United States or a permanent resident alien you may not be able to participate in the Co-Op's based on export control laws and will not be able to complete the degree program. If you are not a citizen or national of the United States or a permanent resident alien please contact the Engineering Dean's office to determine if you will be able to complete the degree program prior to admission into the program.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
3150:151	<i>Principles of Chemistry I (Lecture and Recitation) (Natural Science Requirement)</i>	3	Placement into 3450:149 (Precalculus) or higher
3150:152	<i>Principles of Chemistry I Lab (Natural Science Requirement)</i>	1	3150:151 corequisite
3450:221	<i>Analytic Geometry-Calculus I (Mathematics Requirement)</i>	4	Placement test or 3450:149 (PreCalculus)
4900:165	Tools for Aerospace Systems Engineering	2	3450:149 (PreCalculus) or higher corequisite
	<i>Physical Education Requirement</i>	1	
	<i>English Composition I Requirement</i>	3	Appropriate placement by advisor
Total		14	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3450:222	Analytic Geometry-Calculus II	4	3450:221 with C- or better
4900:166	ASE Project Management	1	4900:165
3650:291	<i>Physics I (Lecture and Lab) (Natural Science Requirement)</i>	4	3450:221 with C- or better
	<i>English Composition II Requirement</i>	3	3300:111 or equivalent
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>Social Science Requirement (not economics)</i>	3	
Total		18	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3450:223	Analytic Geometry-Calculus III	4	3450:222 with C- or better
3650:292	Physics II (Lecture and Lab)	4	3650:291
4300:201	Statics	3	3450:222 and 3650:291 corequisites
3250:244	<i>Intro to Economic Analysis (Social Science Requirement)</i>	3	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World since 1300</i>	4	32 credit hours and 3300:112 equivalent 32 credit hours and 3300:112 equivalent
Total		18	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
4400:307	Basic Electrical Engineering	4	3650:292 prerequisite; 3450:335 corequisite
4600:203	Dynamics (Lecture and Problem)	3	3450:222, 3650:291, 4300:201 prerequisites 3450:223 corequisite
3450:335	Introduction to Ordinary Differential Equations	3	3450:223 with C- or better
4300:202	Mechanics of Solids (Lecture and Problem)	3	4300:201
4600:260	Engineering Analysis I	2	3450:222 prerequisite; 3450:223 corequisite
Total		15	

2 nd Year	Summer Semester	Credit Hours	Prerequisites
	Mandatory Co-Op		

3rd Year Fall Semester			
4600:300	Thermodynamics I (Lecture and Problem)	3	3450:223
4600:310	Fluid Mechanics I (Lecture and Problem)	2	4600:203 and 3450:335
4900:336	Aerospace Structures	3	4300:202 and 3450:335
6200:201	Accounting Principles I	3	24 hours of college credit
4600:360	Engineering Analysis II (Lecture and Problem)	2	4600:260, 3450:335
4900:240	ASE I	3	3450:223
Total		16	

3rd Year Spring Semester			
	Mandatory Co-Op		

3rd Year Summer Semester			
4800:470	Human Factors Engineering	3	
4900:380	Aerospace Materials	3	3150:151, 3150:152, 4300:202
4900:340	Avionics I and Lab	3	4400:307
Total		9	

4th Year Fall Semester			
	Mandatory Co-Op		

4th Year Spring Semester			
4600:315	Heat Transfer (Lecture and Problem)	3	4600:310 or 4800:360, 4600:300, 4600:360 or 4800:220
4600:337	Design of Mechanical Components	3	4600:336
4600:411	Compressible Fluid Mech	3	*4600:301, 4600:311
4600:413	Intro to Aerodynamics	3	*4600:311
4600:483	M.E. Measurements Lab (Lecture and Lab)	2	4600:300, 4600:310 prerequisites 4600:340 corequisite
	<i>Area Studies/Cultural Diversity Requirement</i>	2	
		16	

4th Year Summer Semester			
	Mandatory Co-Op		

5th Year Fall Semester			
4900:320	ASE II	3	4900:240, 4600:360
4600:400	Thermal System Comp	3	*4600:301, 4600:311, 4600:315 or permission
4600:460	Concepts of Design (Lecture and Lab)	3	4600:337
4600:414	Intro to Aero Propulsion	3	Department Consent and 4600:311
4600:412	Fundamentals of Flight	3	*4600:311
Total		15	

5th Year Spring Semester			
4900:420	Object Oriented D&M	3	4900:320
4900:450	Aerospace Computations	3	4300:202, 4600:315, 4600:360, 4600:411
	<i>Humanities Elective Requirement</i>	3	
4900:440	Avionics II and Lab	3	4900:340, 4600:412
4900:460	Aero Systems Manufacturing	3	4600:360, or permission
4900:490	Aerospace Design Project	2	Senior Standing or permission
Total		17	

	Minimum Total Credits for Degree	138	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

*Prerequisites denoted with an * are in the process of being approved through Curriculum Proposal, subject to change.

Department Chair - Dr. Sergio Felicelli, 101 Auburn Science and Engineering, (330) 972-7731 or (330) 972-7672.
E-Mail: Sergio@uakron.edu & Web Address: www.uakron.edu/engineerin/ME/

SALARY LEVEL: Starting salary offers for new graduates range from \$44,000 to \$68,000 per year. The average is \$57,500.

Aerospace Systems Engineering Program (4900) Admissions

1. All students wanting to major in ASE will be designated as 490005PA (pre-admission) by Admissions
 - a. The Dept. of Mechanical Engineering (ASE Program) will take **positive action** to move those students into the 490005BS category at the following points:
 - i. *Honors students:*
 1. They can be moved to the 490005BS category upon their acceptance into the Honors Program
 - ii. *Non-Honors students who meet entrance requirements for the Honors Program:*
 1. They can be moved to the 490005BS plan code during their first semester at UA provided two things occur:
 - a. They submit an essay on an assigned subject
 - b. They are interviewed by a faculty member in the Department of Mechanical Engineering
 - iii. *Students not meeting entrance requirements to the Honors Program*
 1. They are evaluated after completing at least 30 credit hours (post-HS). If the following occurs, they can be moved to the 490005BS plan code provided:
 - a. They have a cumulative GPA of at least a 3.0 after completion of 30 credit hours (post-HS).
 - b. They are in the College of Engineering (or meet the College of Engineering entrance requirements).
 - c. They submit an essay on an assigned subject
 - d. They are interviewed by a faculty member in the Department of Mechanical Engineering
2. Students who don't pass to the 490005BS plan from the 490005PA plan by completion of 45 credit hours (post-HS) will be moved to another Plan Code in Engineering (Undecided is the default).
3. Co-op GPA Determination
 - a. In order to start their co-op assignment (after their 2nd year), students must have earned a cumulative GPA of at least 3.0 by the end of the semester prior to their first mandatory co-op assignment.
 - b. If a student has not earned a cumulative GPA of 3.0 by this time, they are to be moved to another Plan Code in Engineering (Undecided is the default).

WOMEN AND MINORITY ENGINEERS: Eligible students are invited to register into the applicable engineering course elective. There are two options; 4100:110, Women in Engineering Seminar & Peer Group (Contact: Heidi Cressman, 330-972-7701, or hec9@uakron.edu). This course provides beginning women students an overview of the career opportunities for women in engineering. The course introduces relevant topics in engineering, an overview of career opportunities, student led discussion groups and an opportunity to meet with professionals in various engineering disciplines. The other option is 4100:120, Minority Engineering Seminar and Peer Groups (Contact: Julie Zhao, 330-972-2823, or zhao1@uakron.edu). This course provides an overview of disciplines and opportunities in engineering. It also reinforces educational/ career choices and provides role models of successful minority engineers.

PLACEMENT: The Engineering Co-op and Placement Office, ASEC 203, Akron, Ohio 44325 assists all graduates with full-time placement.

(Jackson)



Department of Mechanical Engineering
B.S. Aerospace Systems Engineering with Co-op

5/18/2018

Entering Fall 2018 or later

First Year

Fall

3150:151	Principles of Chemistry I	3
3150:152	Principles of Chem I Lab	1
3300:111	English Composition I	3
3450:221	Analytical Geometry-Calculus I	4
4900:165	Tools for Aerospace Systems Engineering	2
		13

Spring

3650:291	Elementary Classical Physics I	4
	Speaking Elective	3
3300:112 or 2020:222	English Composition II or Technical Report Writing	3
3450:222	Analytical Geometry-Calculus II	4
4900:166	Aerospace Systems Engineering Project Management	1
	Social Science Elective (DD or GD)	3
		18

Summer

Second Year

Fall

3650:292	Elementary Classical Physics II	4
4300:201	Statics	3
3450:223	Analytical Geometry-Calculus III	4
3250:244	Intro to Economic Analysis	3
	Humanities Elective (CT)	3-4
		14-15

Spring

4600:203	Dynamics	3
4300:202	Mechanics of Solids	3
3450:335	Intro. To Ordinary Differential Equations	3
4400:307	Basic Electrical Engineering	4
4600:260	Engineering Analysis I	2
		15

Summer

4100:300	Mandatory Co-Op	

Third Year

Fall

4600:300	Thermodynamics I	3
4600:310	Fluid Mechanics I	2
4900:336	Aerospace Structures	3
4900:240	Aerospace Systems Engineering I	3
6200:201	Accounting Principles I	3
4600:360	Engineering Analysis II	2
		16

Spring

4100:301	Mandatory Co-Op	

Summer

4800:470	Human Factors Eng.	3
4900:380	Aerospace Materials	3
4900:340	Avionics I & Lab	3
		9

Fourth Year

Fall

4100:302	Mandatory Co-Op	

Spring

4600:315	Heat Transfer	3
4600:411	Compressible Fluid Mech.	3
4600:337	Design of Mechanical Components	3
4600:413	Intro to Aerodynamics	3
4600:483	Measurements Lab	2
	Domestic or Global Diversity	3
		17

Summer

4100:403	Mandatory Co-Op	

Fifth Year

Fall

4600:400	Thermal System Comp.	3
4600:460	Concepts of Design	3
4600:414	Intro to Aero Propulsion	3
4600:412	Fundamentals of Flight	3
4900:320	Aerospace Systems Engineering II	3
		15

Spring

4900:420	Object Oriented Design & Management	3
4900:450	Aerospace Computations	3
4900:440	Avionics II and Lab	3
4900:460	Aero Systems Manufacturing	3
4900:490	Aerospace Design Project (CS)	2
	Arts Elective	3
		17

Summer

Notes:
 See Undergraduate Bulletin for Approved General Education Courses (Speaking, Social Science, Humanities and Arts Electives)
 See Mechanical Engineering Departmental Office for Approved Electives

For completion of this degree program, students will need to complete several required Co-Ops with corporations or governmental entities. If you are not a citizen, national of the United States or a permanent resident alien you may not be able to participate in the Co-Ops based on export control laws and will not be able to complete the degree program. If you are not a citizen, national of the United States or a permanent resident alien please contact the Engineering Dean's office to determine if you will be able to complete the degree program prior to admission into the program.

INFORMATION SHEET

EARLY CHILDHOOD EDUCATION LICENSURE (AGE 3 THRU GRADE 3) UNDERGRADUATE DEGREE [520208BS]

General Education - 42 hours

Professional Education Requirements – 53 hours

Phase 1 Courses – Learning About Learners Credits

5100:200 Introduction to Education	3
5100:220 Educational Psychology	3
5200:100 Orientation to Early Childhood Educ. (to be taken in conjunction with 5100:200)	0
5500:230 Educational Technology	3
5500:245 Understanding Literacy Development & Phonics ¹	3
5610:225 Introduction to Exceptionalities	3

Phase 2 Courses – Learning About Teaching Credits

5100:300 Educational Equity & Excellence	3
5500:360 Educational Planning	3
5500:286 Teaching Multiple Texts through Genre	3
5500:440 Literacy in the Content Areas	3

Phase 3 Courses -- Learning to Apply the Principles of Teaching Credits

5500:370 Educational Implementation	3
5500:445 Assessment and Instruction in Literacy	3
5200:420 Integrated Primary Curriculum	4
5200:425 Advanced Integrated Primary Curriculum	4

Phase 4 Courses – Learning to Teach Credits

5200:499 Student Teaching (16 weeks pre-K-3) ³	11
5200:498 Student Teaching Colloquium	1

Content Requirements – 40 hours

	Credits
3450:140 Fundamentals of Mathematics for Primary Educators	3
3450:240 Mathematical Foundations for Early Childhood Educators	3
7400:265 Child Development	3
5200:319 Integrated Expressive Arts ²	3
5200:215 Child, Family, and School	3
5610:450 Special Education Programs in Early Childhood	3
5610:460 Family Dynamics & Community	3
7400:270 Theory & Guidance of Play	3
7400:280 Early Childhood Curriculum Methods	3
5200:325 Advanced Early Childhood Curriculum	4
5200:342 Teaching Mathematics to Young Children	3
5200:340 Developmental Writing in Early Childhood	3
5610:459 Collaboration & Consultation in Schools	3

Minimum number of credit hours required for graduation and licensure 135

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330-972-7750***

¹Service Learning required – minimum of 10 hours outside of class.
²Pre-requisite: 7500:201 or 7100:210, either of which will meet general studies requirements.
³Approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE Content and Reading tests. Planned teaching experience in schools selected and supervised by the Office of Teacher Education and Licensure experiences. Co-requisite 5200:498. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student's major, in methods courses, core courses, and in their teaching field(s). Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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(330) 972-7750

Admission to Early Childhood Education Program

General Education Requirements for Admission to Early Childhood Education (2.5 GPA in the following courses and not less than a "C" in any one of the courses listed below)

3300:111 (3 cr.) English Composition I	3450:140 (3 cr.) Fundamentals of Mathematics for Primary Educators
3300:112 (3 cr.) English Composition II	3100:103 (4 cr.) Biology (or 3100:xxx, biology course at level higher than :103)
7600:105 (3 cr.) Intro to Public Speaking	3xxx:xxx (4 cr.) Science(s) from any set except Biology [See Bulletin]
or	Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
7600:106 (3 cr.) Effective Oral Communication	7400:265 (3 cr.) Child Development
3350:100 (3 cr.) Intro to Geography	
3400:250 (4 cr.) U.S. History to 1877 (or 3400:251 or 3700:100)	

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

MIDDLE LEVEL EDUCATION (GRADES 4-9) WITH INTERVENTION SPECIALIST UNDERGRADUATE DEGREE [520300, 520301, 520302, 520303, 520304, 520305BS]

General Education -41 hours

Professional Education Requirements for Undergraduate Middle Level Students – 62 hrs. required with a “C” or better and a 2.5 GPA or better

Professional Education Core (15 Credits)

5100:200 Introduction to Education	3
5100:220 Educational Psychology	3
5250:100 Orientation Middle Level Education (to be taken in conjunction with 5100:200)	0
5610:225 Introduction to Exceptionalities	3
5500:308 Instructional Design and Assessment	6

Professional Education Literacy (12 Credits)

5500:245 Understanding Literacy Development & Phonics ¹	3
5500:286 Teaching Multiple Texts through Genre	3
5500:440 Developmental Reading in Content Areas	3
5500:445 Evaluating Language Literacy	3

Professional Education Pedagogy (35 Credits)

Two of the following methods courses based on teaching fields chosen:

5250:350 Teaching LA & Media to Middle Level Learners	3
5250:342 Teaching Math to Middle Level Learners	3
5250:333 Teaching Science to Middle Level Learners	4
5250:338 Teaching Social Studies to Middle Childhood	3
5250:300 Middle Level Education	3
5610:457 Special Education Programming: Mild/Moderate II	4
5610:462 Collaboration w/ Families & Professionals	4
5610:463 Assessment in Special Education	4
5610:467 Management Strategies in Special Education	3
5500:457 Inclusive Field Experience	1
5250:498 Student Teaching Colloquium: Middle Childhood	1
5250:499 Student Teaching (Grades 4-9)	11

***Areas of concentration – Two areas of concentration are required to be completed from four areas: mathematics, reading, language arts, science and social studies. Students must maintain a 2.50 GPA overall in the area of concentration.**

Mathematics (must meet course pre-requisites; see bulletin)

3450:140 Fundamentals of Mathematics for Primary Educators	3
3450:209 Discrete Mathematics for Educators	4
3450:331 Modeling with Calculus	4
3450:341 Geometry and Measurement	3
3450:xxx _____	3

Reading/Language Arts

*10 hours from General Education English Composition and Oral Communications

*12 hours from literacy courses listed (5500:245, 286, 440, & 445)

5250:351	Modes of Writing for Mid. Grades	3
5300:330	Teaching Adoles./Middle Level Literature	3
3300:362	World Literature	3
3300:350	Black American Literature	3

Science

3100:111	Principles of Biology I	4
3370:451	Field/Lab Studies in Environmental Science	3
3650:261	Physics for Life Science I, plus lab (or 3650:401 – Everyday Physics)	4
3370:137	Earth’s Atmosphere & Weather	1
3650:130	Descriptive Astronomy	4

Social Studies

3350:250	World Regional Geography	3
3400:250	U.S. History to 1877	4
3400:251	U.S. History since 1877	4
3400:323	Europe from Rev. to WWI (or 3400:324 - Europe from WWI to Present)	3
5500:251	Teaching Personal Finance in the PK-12 Classroom	

¹Service Learning required – minimum of 10 hours outside of class.

³Approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE content test. Planned teaching experience in schools selected and supervised by the Office of Teacher Education and Licensure. Co-requisite 5200:498. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching field(s). Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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(330) 972-7750

Admission to Middle Level Education Program

General Education Requirements for Admission to Middle Level Education (2.5 GPA in the following courses and not less than a “C” in any one of the courses listed below):

3300:111 (4 cr.) English Composition I	3450:140 (3 cr.) Math for Elementary Teachers I
3300:112 (3 cr.) English Composition II	3470:260 (3 cr.) Basic Statistics
7600:105 (3 cr.) Intro to Public Speaking	3100:103 (4 cr.) Biology (or 3100:xxx, biology course at level higher than :103)
or	
7600:106 (3 cr.) Effective Oral Communication	3xxx:xxx (4 cr.) Science(s) from any set except Biology [See Bulletin]
3350:100 (3 cr.) Intro. To Geography ¹	Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
3400:250 (4 cr.) U.S. History to 1877 (or 3400:251 or 3700:100)	Coursework in area of concentration (3 cr.)

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

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- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

¹ If Social Studies is one of your concentration areas, please substitute 3850:100 (Intro. to Sociology) or 3750:100 (Intro. to Psychology) in lieu of Intro to Geography as the pre-req course requirement.

INFORMATION SHEET

AYA (LIFE/BIOLOGY-CHEMISTRY) LICENSURE (GRADES 7-12) UNDERGRADUATE DEGREE [530505BA]

General Education – 41 hrs. (See Undergraduate Bulletin)

Professional Education Requirements for Undergraduate Science Students – 41 hrs. with a “C” or better and a 2.5 GPA or better

	<u>Credits</u>
<u>Phase One:</u> Learning about Learners	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5610:225 Introduction to Exceptionalities	3
5500:230 Educational Technology	3
5300:100 Orientation: AYA/P-12/Multi-Age	0
 <u>Phase Two:</u> Learning about Teaching	
5100:300 Educational Equity & Excellence	3
5500:360 Educational Planning	3
 <u>Phase Three:</u> Learning to Apply the Principles of Teaching	
5500:370 Educational Implementation	3
5300:420 Inst. Techniques: Science	3
5300:421 Field Exp: Inst. Techniques: Science	2
5300:325 Content Reading in Sec. Schools	3
5500:475 Instructional Tech. Applications	3
 <u>Phase Four:</u> Learning to Teach	
5300:495 Student Teaching ¹	8
5300:496 Student Teaching Colloquium	1

Content Requirements for Life Science and Chemistry Licensure Students – 84-85 hrs. with a 2.5 GPA or better

<u>Science Core</u>	
3100:111 Principles of Biology I	4
3100:112 Principles of Biology II	4
3150:151 Principles of Chemistry I	3
3150:152 Principles of Chemistry Lab	1
3150:153 Principles of Chemistry II	3
3370:101 Physical Geology	4
3370:102 Historical Geology	4
 <u>Complete one of two physics options:</u>	
3650:261 Physics Life Science I	4
3650:262 Physics Life Science II	4
OR	
3650:291 Elem. Class. Physics I	4
3650:292 Elem. Class. Physics II	4
 <u>Biology</u>	
3100:211 General Genetics	3
3100:217 General Ecology	3
3100:265 Human Physiology	4
3100:316 Evolutionary Biology	3
 <u>Complete one of the following two options:</u>	
3100:130 Principles of Microbiology	3
3100:331 Microbiology	4

<u>Astronomy</u>	
3650:130 Descriptive Astronomy	4

<u>Chemistry</u>	
3150:154 Qualitative Analysis	2
3150:263 Organic Chemistry I	3
3150:264 Organic Chemistry II	3
3150:265 Organic Chemistry Lab I	2
3150:305 Physical Chemistry for Bio Sciences	4
3150:380 Advanced Chemistry Lab I	2
3150:401 Biochemistry I	3
3150:423 Analytical Chemistry I	3

<u>Mathematics</u>	
3450:221 Analytic Geometry/Calculus I (pre-req 3450:149 or eligibility for calculus)	4
3450:222 Analytic Geometry/Calculus II	4
3470:260 Basic Statistics	3

Additional Requirements to Add Integrated Science Licensure:

3370:128 Geology of Ohio	1
3370:171 Intro to the Oceans	3
3370:137 Earth’s Atmosphere & Weather	1
3370:200 Environmental Geology	3
3650:133 Music, Sound & Physics	4
OR	
3650:137 Light	4

Minimum number of credits hours required for graduation and licensure 166-167

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‡All students must have the approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE Content and Reading tests. Planned teaching experience in schools selected and supervised by the Office of Teacher Education and Licensure experiences. Co-requisite 5300:496. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching field(s). Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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(330) 972-7750

General Education Requirements for Admission to Integrated Science: Life-Chemistry (AYA 7-12) (2.5 GPA in the following courses.)

- I. Written and Oral Communication (at least 9 credits)
3300:111 (3 cr.) English Composition I (with grade of "C" or better)
3300:112 (3 cr.) English Composition II (with grade of "C" or better)
7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
- II. Social Science – minimum of 3 credits. [See bulletin.]
- III. Mathematics – minimum of 3 credits
3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
- IV. Natural Science – minimum of 5 credits [See bulletin]
- V. Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
- VI. Teaching Field(s) – minimum of 8 credits. [Does not include coursework already used above. A 2.50 GPA in all such coursework is required. This includes credits beyond the minimum of 8.]

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

AYA (LIFE/BIOLOGY-EARTH) LICENSURE (GRADES 7-12) UNDERGRADUATE DEGREE [530506BA]

General Education – 41 hrs. (See Undergraduate Bulletin)

Professional Education Requirements for Undergraduate Science Students – 41 hrs. with a “C” or better and a 2.5 GPA or better

	<u>Credits</u>
<u>Phase One:</u> Learning about Learners	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5610:225 Introduction to Exceptionalities	3
5500:230 Educational Technology	3
5300:100 Orientation: AYA/P-12/Multi-Age	0

<u>Phase Two:</u> Learning about Teaching	
5100:300 Educational Equity & Excellence	3
5500:360 Educational Planning	3

<u>Phase Three:</u> Learning to Apply the Principles of Teaching	
5500:370 Educational Implementation	3
5300:420 Inst. Techniques: Science	3
5300:421 Field Exp: Inst. Techniques: Science	2
5300:325 Content Reading in Sec. Schools	3
5500:475 Instructional Tech. Applications	3

<u>Phase Four:</u> Learning to Teach	
5300:495 Student Teaching ¹	8
5300:496 Student Teaching Colloquium	1

Content Requirements for Life and Earth Science Licensure Students –79-80 hrs. with a 2.5 GPA or better

<u>Science Core</u>	
3100:111 Principles of Biology I	4
3100:112 Principles of Biology II	4
3150:151 Principles of Chemistry I	3
3150:152 Principles of Chemistry Lab	1
3150:153 Principles of Chemistry II	3
3370:101 Intro. to Physical Geology	4
3370:102 Intro. to Historical Geology	4

Complete <u>one</u> of two physics options:	
3650:261 Physics Life Science I	4
3650:262 Physics Life Science II	4
OR	
3650:291 Elem. Class. Physics I	4
3650:292 Elem. Class. Physics II	4

<u>Biology</u>	
3100:211 General Genetics	3
3100:212 Genetics Laboratory	1
3100:217 General Ecology	3
3100:265 Intro. to Human Physiology	4
3100:316 Evolutionary Biology	3

Complete <u>one</u> of the following two options:		
3100:130 Principles of Microbiology		3
3100:331 Microbiology		4

<u>Mathematics</u>		
3450:149 Precalculus or eligibility for calculus		4
3470:260 Basic Statistics		3

<u>Earth Science</u>		
3370:137 Earth’s Atmosphere		1
3370:200 Environmental Geology		3
3370:201 Ex. Env. Geology I		1
3370:203 Ex. Env. Geology II		1
3370:371 Oceanography		4
3650:130 Descriptive Astronomy		4
3370:455 Field Studies, Geology		3
OR		
3370:499 Research Problems		3

<u>Chemistry</u>		
3150:154 Qualitative Analysis		2
3150:263 Organic Chemistry I		3
3150:265 Organic Chem. Lab I		2

162-163 credits required for graduation.

Additional Requirements to Add Integrated Science Licensure:		
3650:133 Music, Sound & Physics		4
OR		
3650:137 Light		4

Note: These 4 hours are not required for life (biology) and earth science licensure.

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Zook Hall, Room 002
330-972-7750***

‡All students must have the approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE Content and Reading tests. Planned teaching experience in schools selected and supervised by the Office of Teacher Education and Licensure experiences. Co-requisite 5300:496. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching field(s). Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



The LeBron James Family Foundation
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Akron, Ohio 44325-4201
(330) 972-7750

General Education Requirements for Admission to Integrated Science: Life-Earth (AYA 7-12) (2.5 GPA in the following courses.)

- I. Written and Oral Communication (at least 9 credits)
3300:111 (3 cr.) English Composition I (with grade of "C" or better)
3300:112 (3 cr.) English Composition II (with grade of "C" or better)
7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
- II. Social Science – minimum of 3 credits. [See bulletin.]
- III. Mathematics – minimum of 3 credits
3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
- IV. Natural Science – minimum of 5 credits [See bulletin.]
- V. Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
- VI. Teaching Field(s) – minimum of 8 credits. [Does not include coursework already used above. A 2.50 GPA in all such coursework is required. This includes credits beyond the minimum of 8.]

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

AYA (LIFE/BIOLOGY-PHYSICS) LICENSURE (GRADES 7-12) UNDERGRADUATE DEGREE [530507BA]

General Education – 41 hrs. (See Undergraduate Bulletin)

Professional Education Requirements for Undergraduate Science Students – 41 hrs. with a “C” or better and a 2.5 GPA or better

	<u>Credits</u>
<u>Phase One:</u> Learning about Learners	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5610:225 Introduction to Exceptionalities	3
5500:230 Educational Technology	3
5300:100 Orientation: AYA/P-12/Multi-Age	0

<u>Phase Two:</u> Learning about Teaching	
5100:300 Educational Equity & Excellence	3
5500:360 Educational Planning	3

<u>Phase Three:</u> Learning to Apply the Principles of Teaching	
5500:370 Educational Implementation	3
5300:420 Inst. Techniques: Science	3
5300:421 Field Exp: Inst. Techniques: Science	2
5300:325 Content Reading in Sec. Schools	3
5500:475 Instructional Tech. Applications	3

<u>Phase Four:</u> Learning to Teach	
5300:495 Student Teaching	8
5300:496 Student Teaching Colloquium	1

Content Requirements for Life Science and Physics Licensure Students – 84-85 hrs. with a 2.5 GPA or better

<u>Science Core</u>	
3100:111 Principles of Biology I	4
3100:112 Principles of Biology II	4
3150:151 Principles of Chemistry I	3
3150:152 Principles of Chemistry Lab	1
3150:153 Principles of Chemistry II	3
3370:101 Intro. to Physical Geology	4
3370:102 Intro. to Historical Geology	4

<u>Elementary Classical Physics</u>	
3650:291 Elem. Class. Physics I	4
3650:292 Elem. Class. Physics II	4

<u>Biology</u>	
3100:211 General Genetics	3
3100:212 Genetics Laboratory	1
3100:217 General Ecology	3
3100:265 Intro. to Human Physiology	4
3100:316 Evolutionary Biology	3

Complete <u>one</u> of the following two options:	
3100:130 Principles of Microbiology	3
3100:331 Microbiology	4

<u>Mathematics</u>		
3450:221 Anal. Geometry/Calculus I		4
(pre-req. 3450:149 or eligibility for calculus)		
3450:222 Anal Geometry/Calculus II		4
3470:260 Basic Statistics		3

<u>Physics</u>		
3650:301 Elementary Modern Physics		3
3650:322 Intermediate Lab I		3
3650:323 Intermediate Lab II		3
3650:130 Descriptive Astronomy		4

Complete <u>one</u> of the following courses:		
3650:267 Life Science Phys. Comp.		1
3650:293 Physics Comp.		1

Complete <u>one</u> of the following courses:		
3650:133 Music, Sound & Physics		4
3650:137 Light		4

<u>Chemistry</u>		
3150:154 Qualitative Analysis		2
3150:263 Organic Chemistry I		3
3150:265 Organic Chem. Lab I		2

Additional Requirements to Add Integrated Science Licensure:

3370:128 Geology of Ohio		1
3370:137 Earth’s Atmosphere & Weather		1
3370:171 Intro to the Oceans		3
3370:200 Environmental Geology		3

Minimum number of credits hours required for graduation and licensure 166-167

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General Education Requirements for Admission to Integrated Science: Life-Physics (AYA 7-12) (2.5 GPA in the following courses.)

- I. Written and Oral Communication (at least 9 credits)
3300:111 (3 cr.) English Composition I (with grade of "C" or better)
3300:112 (3 cr.) English Composition II (with grade of "C" or better)
7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
- II. Social Science – minimum of 3 credits. [See bulletin.]
- III. Mathematics – minimum of 3 credits
3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
- IV. Natural Science – minimum of 5 credits [See bulletin]
- V. Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
- VI. Teaching Field(s) – minimum of 8 credits. [Does not include coursework already used above. A 2.50 GPA in all such coursework is required. This includes credits beyond the minimum of 8.]

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

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- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

AYA (CHEMISTRY-EARTH) LICENSURE (GRADES 7-12) UNDERGRADUATE DEGREE [530508BA]

General Education – 41 hrs. (See Undergraduate Bulletin)

3370:455	Field Studies, Geology OR	3
3370:499	Research Problems	3
3650:130	Descriptive Astronomy	4

Professional Education Requirements for Undergraduate Science Students – 41 hrs. with a “C” or better and a 2.5 GPA or better

	<u>Credits</u>
<u>Phase One:</u> Learning about Learners	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5610:225 Introduction to Exceptionalities	3
5500:230 Educational Technology	3
5300:100 Orientation: AYA/P-12/Multi-Age	0

<u>Phase Two:</u> Learning about Teaching	
5100:300 Educational Equity & Excellence	3
5500:360 Educational Planning	3

Phase Three: Learning to Apply the Principles of Teaching

5500:370 Educational Implementation	3
5300:420 Inst. Techniques: Science	3
5300:421 Field Exp: Inst. Techniques: Science	2
5300:325 Content Reading in Sec. Schools	3
5500:475 Instructional Tech. Applications	3

<u>Phase Four:</u> Learning to Teach	
5300:495 Student Teaching ¹	8
5300:496 Student Teaching Colloquium	1

Content Requirements for Chemistry/Earth Licensure Students – 81 hrs. with a 2.5 GPA or better

<u>Science Core</u>		
3100:111 Principles of Biology I		4
3100:112 Principles of Biology II		4
3150:151 Principles of Chemistry I		3
3150:152 Principles of Chemistry Lab		1
3150:153 Principles of Chemistry II		3
3370:101 Introductory Physical Geology		4
3370:102 Introductory Historical Geology		4

Complete <u>one</u> of two physics options:		
3650:261 Physics Life Science I		4
3650:262 Physics Life Science II		4
OR		
3650:291 Elem. Class. Physics I		4
3650:292 Elem. Class. Physics II		4

<u>Earth Science</u>		
3370:137 Earth’s Atmosphere		1
3370:200 Environmental Geology		3
3370:201 Ex. Env. Geology I		1
3370:203 Ex. Env. Geology II		1
3370:371 Oceanography		4

<u>Chemistry</u>		
3150:154	Qualitative Analysis	2
3150:263	Organic Chemistry I	3
3150:264	Organic Chemistry II	3
3150:265	Organic Chemistry Lab I	2
3150:305	Physical Chemistry for Bio Sciences	4
3150:380	Advanced Chemistry Lab I	2
3150:401	Biochemistry I	3
3150:423	Analytical Chemistry I	3

<u>Mathematics</u>		
3450:221	Anal. Geometry/Calculus I (pre-req 3450:149 or eligibility for calculus)	4
3450:222	Anal. Geometry/Calculus II	4
3470:260	Basic Statistics	3

163 credits required for graduation.

Additional Requirements to Add Integrated Science Licensure:

3650:133	Music, Sound & Physics OR	4
3650:137	Light	
3100:217	General Ecology	3
3100:265	Human Physiology	4

Note: These 11 hours are not required for earth science and chemistry licensure.

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General Education Requirements for Admission to Integrated Science: Chemistry-Earth (AYA 7-12) (2.5 GPA in the following courses.)

- I. Written and Oral Communication (at least 9 credits)
3300:111 (3 cr.) English Composition I (with grade of "C" or better)
3300:112 (3 cr.) English Composition II (with grade of "C" or better)
7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
- II. Social Science – minimum of 3 credits. [See bulletin.]
- III. Mathematics – minimum of 3 credits
3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
- IV. Natural Science – minimum of 5 credits [See bulletin.]
- V. Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
- VI. Teaching Field(s) – minimum of 8 credits. [Does not include coursework already used above. A 2.50 GPA in all such coursework is required. This includes credits beyond the minimum of 8.]

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

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 - 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
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INFORMATION SHEET

AYA (CHEMISTRY-PHYSICS) LICENSURE (GRADES 7-12) UNDERGRADUATE DEGREE [530509BA]

General Education – 41 hrs. (See Undergraduate Bulletin)

Professional Education Requirements for Undergraduate Science Students – 41 hrs. with a “C” or better and a 2.5 GPA or better

	<u>Credits</u>
<u>Phase One:</u> Learning about Learners	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5610:225 Introduction to Exceptionalities	3
5500:230 Educational Technology	3
5300:100 Orientation: AYA/P-12/Multi-Age	0

<u>Phase Two:</u> Learning about Teaching	
5100:300 Educational Equity & Excellence	3
5500:360 Educational Planning	3

<u>Phase Three:</u> Learning to Apply the Principles of Teaching	
5500:370 Educational Implementation	3
5300:420 Inst. Techniques: Science	3
5300:421 Field Exp: Inst. Techniques: Science	2
5300:325 Content Reading in Sec. Schools	3
5500:475 Instructional Tech. Applications	3

<u>Phase Four:</u> Learning to Teach	
5300:495 Student Teaching ¹	8
5300:496 Student Teaching Colloquium	1

Content Requirements for Chemistry and Physics Licensure Students – 82 hrs.

<u>Science Core</u>	
3100:111 Principles of Biology I	4
3100:112 Principles of Biology II	4
3150:151 Principles of Chemistry I	3
3150:152 Principles of Chemistry Lab	1
3150:153 Principles of Chemistry II	3
3370:101 Physical Geology	4
3370:102 Historical Geology	4

<u>Elementary Classical Physics</u>	
3650:291 Elem. Class. Physics I	4
3650:292 Elem. Class. Physics II	4

<u>Physics</u>	
3650:301 Modern Physics	3
3650:322 Intermediate Lab I	3
3650:323 Intermediate Lab II	3
3650:130 Descriptive Astronomy	4

Complete <u>one</u> of the following courses:	
3650:267 Life Science Physics Comp.	1
3650:293 Class. Physics Comp.	1

Complete one of the following courses:

3650:133 Music, Sound & Physics	4
3650:137 Light	4

<u>Chemistry</u>	
3150:154 Qualitative Analysis	2
3150:263 Organic Chemistry I	3
3150:264 Organic Chemistry II	3
3150:265 Organic Chemistry Lab I	2
3150:305 Physical Chemistry for Bio Sciences	4
3150:380 Advanced Chemistry Lab I	2
3150:401 Biochemistry I	3
3150:423 Analytical Chemistry I	3

<u>Mathematics</u>	
3450:221 Anal. Geometry/Calculus I (pre-req 3450:149 or eligibility for calculus)	4
3450:222 Anal Geometry/Calculus II	4
3470:260 Basic Statistics	3

164 credits required for graduation.

Additional Requirements to Add Integrated Science Licensure:

3370:128 Geology of Ohio	1
3370:137 Earth’s Atmosphere & Weather	1
3370:171 Intro to the Oceans	3
3370:200 Environmental Geology	3
3100:217 General Ecology	3
3100:265 Human Physiology	4

Note: These 15 hours are not required for chemistry and physics licensure.

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General Education Requirements for Admission to Integrated Science: Chemistry-Physics (AYA 7-12) (2.5 GPA in the following courses.)

- I. Written and Oral Communication (at least 9 credits)
3300:111 (3 cr.) English Composition I (with grade of "C" or better)
3300:112 (3 cr.) English Composition II (with grade of "C" or better)
7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
- II. Social Science – minimum of 3 credits. [See bulletin.]
- III. Mathematics – minimum of 3 credits
3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
- IV. Natural Science – minimum of 5 credits [See bulletin.]
- V. Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
- VI. Teaching Field(s) – minimum of 8 credits. [Does not include coursework already used above. A 2.50 GPA in all such coursework is required. This includes credits beyond the minimum of 8.]

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

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- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
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 - 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
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INFORMATION SHEET

AYA (EARTH SCIENCE/PHYSICS) LICENSURE (GRADES 7-12) UNDERGRADUATE DEGREE [530600BA]

General Education – 41 hrs. (See Undergraduate Bulletin)

Professional Education Requirements for Undergraduate Science Students – 41 hrs. with a “C” or better and a 2.5 GPA or better

	Credits
<u>Phase One:</u> Learning about Learners	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5610:225 Introduction to Exceptionalities	3
5500:230 Educational Technology	3
5300:100 Orientation: AYA/P-12/Multi-Age	0

<u>Phase Two:</u> Learning about Teaching	
5100:300 Educational Equity & Excellence	3
5500:360 Educational Planning	3

<u>Phase Three:</u> Learning to Apply the Principles of Teaching	
5500:370 Educational Implementation	3
5300:420 Inst. Techniques: Science	3
5300:421 Field Exp: Inst. Techniques: Science	2
5300:325 Content Reading in Sec. Schools	3
5500:475 Instructional Tech. Applications	3

<u>Phase Four:</u> Learning to Teach	
5300:495 Student Teaching ¹	8
5300:496 Student Teaching Colloquium	1

Content Requirements for Earth Science/ Physics Licensure Students – 73 hrs. with a 2.5 GPA or better.

<u>Science Core</u>	
3100:111 Principles of Biology I	4
3100:112 Principles of Biology II	4
3150:151 Principles of Chemistry I	3
3150:152 Principles of Chemistry Lab	1
3150:153 Principles of Chemistry II	3
3370:101 Physical Geology	4
3370:102 Historical Geology	4

<u>Elementary Classical Physics</u>	
3650:291 Elem. Class. Physics I	4
3650:292 Elem. Class. Physics II	4

<u>Earth Science</u>	
3370:137 Earth’s Atmosphere	1
3370:200 Environmental Geology	3
3370:201 Ex. Env. Geology I	1
3370:203 Ex. Env. Geology II	1
3370:371 Oceanography	4
3370:455 Field Studies, Geology	3
OR	
3370:499 Research Problems	3

<u>Mathematics</u>		
3450:221 Analytic Geometry/Calculus I (pre-req 3450:149 or eligibility for calculus)	4	
3450:222 Analytic Geometry/Calculus II	4	
3470:260 Basic Statistics	3	

<u>Physics and Earth Science</u>		
3650:130 Descriptive Astronomy	4	

<u>Physics</u>		
Complete <u>one</u> of the following courses:		
3650:133 Music, Sound & Physics	4	
3650:137 Light	4	

Complete <u>one</u> of the following courses:		
3650:267 Life Science Physics Comp.	1	
3650:293 Class. Physics Comp.	1	

Complete remaining courses:		
3650:301 Modern Physics	3	
3650:322 Intermediate Lab I	3	
3650:323 Intermediate Lab II	3	

155 credits required for graduation.

Additional Requirements to Add Integrated Science Licensure:

3150:263 Organic Chemistry I	3
3100:217 General Ecology	3
3150:264 Organic Chemistry II	3
3100:265 Human Physiology	4
3150:265 Organic Chemistry Lab I	2

Note: These 15 hours are not required for earth science and physics licensure.

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General Education Requirements for Admission to Integrated Science: Earth-Physics (AYA 7-12) (2.5 GPA in the following courses.)

- I. Written and Oral Communication (at least 9 credits)
 - 3300:111 (3 cr.) English Composition I (with grade of "C" or better)
 - 3300:112 (3 cr.) English Composition II (with grade of "C" or better)
 - 7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
- II. Social Science – minimum of 3 credits. [See bulletin.]
- III. Mathematics – minimum of 3 credits
 - 3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
 - 3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
- IV. Natural Science – minimum of 5 credits [See bulletin.]
- V. Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
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- A. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

AYA LIFE SCIENCE LICENSURE (GRADES 7-12) UNDERGRADUATE DEGREE [530610BA]

General Education – 41 hrs. (See Undergraduate Bulletin)

Professional Education Requirements for Undergraduate Science Students – 41 hrs. with a “C” or better and a 2.5 GPA or better

	<u>Credits</u>
<u>Phase One:</u> Learning about Learners	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5610:225 Introduction to Exceptionalities	3
5500:230 Educational Technology	3
5300:100 Orientation: AYA/P-12/Multi-Age	0

<u>Phase Two:</u> Learning about Teaching	
5100:300 Educational Equity & Excellence	3
5500:360 Educational Planning	3

<u>Phase Three:</u> Learning to Apply the Principles of Teaching	
5500:370 Educational Implementation	3
5300:420 Inst. Techniques: Science	3
5300:421 Field Exp: Inst. Techniques: Science	2
5300:325 Content Reading in Sec. Schools	3
5500:475 Instructional Tech. Applications	3

<u>Phase Four:</u> Learning to Teach	
5300:495 Student Teaching ¹	8
5300:496 Student Teaching Colloquium	1

Content Requirements for Life Science Licensure Students – 60 hrs. with a 2.5 GPA or better

<u>Science Core</u>	
3100:111 Principles of Biology I	4
3100:112 Principles of Biology II	4
3150:151 Principles of Chemistry I	3
3150:152 Principles of Chemistry Lab	1
3150:153 Principles of Chemistry II	3
3370:101 Physical Geology	4
3370:102 Historical Geology	4
3650:130 Descriptive Astronomy	4
3650:261 Physics Life Science I	4
3650:262 Physics Life Science II	4

<u>Biology</u>	
3100:211 General Genetics	3
3100:212 Genetics Lab	1
3100:217 General Ecology	3
3100:265 Human Physiology	4
3100:316 Evolutionary Biology	3

Complete <u>one</u> of the following two options:	
3100:130 Principles of Microbiology	3
3100:331 Microbiology	4

Mathematics

3450:221 Analytic Geometry/Calculus I (pre-req 3450:149 or eligibility for calculus)	4
3470:260 Basic Statistics	3

Minimum number of credits hours required for graduation and licensure 142

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Zook Hall, Room 002
330-972-7750***

‡All students must have the approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE Content and Reading tests. Planned teaching experience in schools selected and supervised by the Office of Teacher Education and Licensure experiences. Co-requisite 5300:496. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching field(s). Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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General Education Requirements for Admission to Life Science Licensure (AYA 7-12) (2.5 GPA in the following courses.)

- I. Written and Oral Communication (at least 9 credits)
 - 3300:111 (3 cr.) English Composition I (with grade of "C" or better)
 - 3300:112 (3 cr.) English Composition II (with grade of "C" or better)
 - 7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
- II. Social Science – minimum of 3 credits. [See bulletin.]
- III. Mathematics – minimum of 3 credits
 - 3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
 - 3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
- IV. Natural Science – minimum of 5 credits [See bulletin]
- V. Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
- VI. Teaching Field(s) – minimum of 8 credits. [Does not include coursework already used above. A 2.50 GPA in all such coursework is required. This includes credits beyond the minimum of 8.]

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

AYA EARTH SCIENCE LICENSURE (GRADES 7-12) UNDERGRADUATE DEGREE [530611BA]

General Education – 41 hrs. (See Undergraduate Bulletin)

Professional Education Requirements for Undergraduate Science Students – 41 hrs. with a “C” or better and a 2.5 GPA or better

	<u>Credits</u>
<u>Phase One:</u> Learning about Learners	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5610:225 Introduction to Exceptionalities	3
5500:230 Educational Technology	3
5300:100 Orientation: AYA/P-12/Multi-Age	0

<u>Phase Two:</u> Learning about Teaching	
5100:300 Educational Equity & Excellence	3
5500:360 Educational Planning	3

<u>Phase Three:</u> Learning to Apply the Principles of Teaching	
5500:370 Educational Implementation	3
5300:420 Inst. Techniques: Science	3
5300:421 Field Exp: Inst. Techniques: Science	2
5300:325 Content Reading in Sec. Schools	3
5500:475 Instructional Tech. Applications	3

<u>Phase Four:</u> Learning to Teach	
5300:495 Student Teaching ¹	8
5300:496 Student Teaching Colloquium	1

Content Requirements for Earth Science Licensure Students – 54 hrs. with a 2.5 GPA or better

<u>Science Core</u>	
3100:111 Principles of Biology I	4
3100:112 Principles of Biology II	4
3150:151 Principles of Chemistry I	3
3150:152 Principles of Chemistry Lab	1
3150:153 Principles of Chemistry II	3
3370:101 Physical Geology	4
3370:102 Historical Geology	4
3650:130 Descriptive Astronomy	4
3650:261 Physics Life Science I	4
3650:262 Physics Life Science II	4

<u>Earth Science</u>	
3370:137 Earth’s Atmosphere & Weather	1
3370:200 Environmental Geology	3
3370:203 Exerc Environmental Geology II	1
3370:371 Oceanography	4
3370:455 Field Studies in Geology	3

Mathematics

3450:221 Analytic Geometry/Calculus I (pre-req 3450:149 or eligibility for calculus)	4
3470:260 Basic Statistics	3

Minimum number of credits hours required for graduation and licensure 136

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Zook Hall, Room 002
330-972-7750*

‡All students must have the approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE Content and Reading tests. Planned teaching experience in schools selected and supervised by the Office of Teacher Education and Licensure experiences. Co-requisite 5300:496. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching field(s). Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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General Education Requirements for Admission to Earth Science Licensure (AYA 7-12) (2.5 GPA in the following courses.)

- I. Written and Oral Communication (at least 9 credits)
3300:111 (3 cr.) English Composition I (with grade of "C" or better)
3300:112 (3 cr.) English Composition II (with grade of "C" or better)
7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
- II. Social Science – minimum of 3 credits. [See bulletin.]
- III. Mathematics – minimum of 3 credits
3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
- IV. Natural Science – minimum of 5 credits [See bulletin]
- V. Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
- VI. Teaching Field(s) – minimum of 8 credits. [Does not include coursework already used above. A 2.50 GPA in all such coursework is required. This includes credits beyond the minimum of 8.]

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

AYA PHYSICS LICENSURE (GRADES 7-12) UNDERGRADUATE DEGREE [530612BA]

General Education – 41 hrs. (See Undergraduate Bulletin)

Professional Education Requirements for Undergraduate Science Students – 41 hrs. with a “C” or better and a 2.5 GPA or better

	<u>Credits</u>
<u>Phase One:</u> Learning about Learners	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5610:225 Introduction to Exceptionalities	3
5500:230 Educational Technology	3
5300:100 Orientation: AYA/P-12/Multi-Age	0

<u>Phase Two:</u> Learning about Teaching	
5100:300 Educational Equity & Excellence	3
5500:360 Educational Planning	3

<u>Phase Three:</u> Learning to Apply the Principles of Teaching	
5500:370 Educational Implementation	3
5300:420 Inst. Techniques: Science	3
5300:421 Field Exp: Inst. Techniques: Science	2
5300:325 Content Reading in Sec. Schools	3
5500:475 Instructional Tech. Applications	3

<u>Phase Four:</u> Learning to Teach	
5300:495 Student Teaching ¹	8
5300:496 Student Teaching Colloquium	1

Content Requirements for Physics Licensure Students – 55 hrs. with a 2.5 GPA or better

<u>Science Core</u>	
3100:111 Principles of Biology I	4
3100:112 Principles of Biology II	4
3150:151 Principles of Chemistry I	3
3150:152 Principles of Chemistry Lab	1
3150:153 Principles of Chemistry II	3
3370:101 Physical Geology	4
3370:102 Historical Geology	4
3650:130 Descriptive Astronomy	4
3650:291 Elementary Classical Physics I	4
3650:292 Elementary Classical Physics II	4

<u>Physics</u>	
3650:301 Elementary Modern Physics	3
3650:322 Intermediate Laboratory I	3
3650:323 Intermediate Laboratory II	3
3650:133 Music, Sound & Physics	4
OR	
3650:137 Light	4

Mathematics

3450:221 Analytic Geometry/Calculus I (pre-req 3450:149 or eligibility for calculus)	4
3470:260 Basic Statistics	3

Minimum number of credits hours required for graduation and licensure 137

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‡All students must have the approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE Content and Reading tests. Planned teaching experience in schools selected and supervised by the Office of Teacher Education and Licensure experiences. Co-requisite 5300:496. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching field(s). Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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General Education Requirements for Admission to Physics Licensure (AYA 7-12) (2.5 GPA in the following courses.)

- I. Written and Oral Communication (at least 9 credits)
 - 3300:111 (3 cr.) English Composition I (with grade of "C" or better)
 - 3300:112 (3 cr.) English Composition II (with grade of "C" or better)
 - 7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
- II. Social Science – minimum of 3 credits. [See bulletin.]
- III. Mathematics – minimum of 3 credits
 - 3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
 - 3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
- IV. Natural Science – minimum of 5 credits [See bulletin]
- V. Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
- VI. Teaching Field(s) – minimum of 8 credits. [Does not include coursework already used above. A 2.50 GPA in all such coursework is required. This includes credits beyond the minimum of 8.]

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

AYA CHEMISTRY LICENSURE (GRADES 7-12) UNDERGRADUATE DEGREE [530613BA]

General Education – 41 hrs. (See Undergraduate Bulletin)

Professional Education Requirements for Undergraduate Science Students – 41 hrs. with a “C” or better and a 2.5 GPA or better

	Credits
<u>Phase One:</u> Learning about Learners	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5610:225 Introduction to Exceptionalities	3
5500:230 Educational Technology	3
5300:100 Orientation: AYA/P-12/Multi-Age	0

<u>Phase Two:</u> Learning about Teaching	
5100:300 Educational Equity & Excellence	3
5500:360 Educational Planning	3

<u>Phase Three:</u> Learning to Apply the Principles of Teaching	
5500:370 Educational Implementation	3
5300:420 Inst. Techniques: Science	3
5300:421 Field Exp: Inst. Techniques: Science	2
5300:325 Content Reading in Sec. Schools	3
5500:475 Instructional Tech. Applications	3

<u>Phase Four:</u> Learning to Teach	
5300:495 Student Teaching ¹	8
5300:496 Student Teaching Colloquium	1

Content Requirements for Chemistry Licensure Students – 61 hrs. with a 2.5 GPA or better

<u>Science Core</u>	
3100:111 Principles of Biology I	4
3100:112 Principles of Biology II	4
3150:151 Principles of Chemistry I	3
3150:152 Principles of Chemistry Lab	1
3150:153 Principles of Chemistry II	3
3370:101 Physical Geology	4
3370:102 Historical Geology	4
3650:130 Descriptive Astronomy	4
3650:291 Elementary Classical Physics I	4
3650:292 Elementary Classical Physics II	4

<u>Chemistry</u>	
3150:154 Qualitative Analysis	2
3150:263 Organic Chemistry Lecture I	3
3150:264 Organic Chemistry Lecture II	3
3150:265 Organic Chemistry Lab I	2
3150:313 Physical Chemistry Lecture I	3
3150:401 Biochemistry Lecture I	3
3150:423 Analytical Chemistry I	3

Mathematics

3450:221 Analytic Geometry/Calculus I (pre-req 3450:149 or eligibility for calculus)	4
3470:260 Basic Statistics	3

Minimum number of credits hours required for graduation and licensure 143

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General Education Requirements for Admission to Chemistry Licensure (AYA 7-12) (2.5 GPA in the following courses.)

- I. Written and Oral Communication (at least 9 credits)
3300:111 (3 cr.) English Composition I (with grade of "C" or better)
3300:112 (3 cr.) English Composition II (with grade of "C" or better)
7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
- II. Social Science – minimum of 3 credits. [See bulletin.]
- III. Mathematics – minimum of 3 credits
3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
- IV. Natural Science – minimum of 5 credits [See bulletin]
- V. Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
- VI. Teaching Field(s) – minimum of 8 credits. [Does not include coursework already used above. A 2.50 GPA in all such coursework is required. This includes credits beyond the minimum of 8.]

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

**INTEGRATED SOCIAL STUDIES LICENSURE (GRADES 7-12)
UNDERGRADUATE DEGREE [530700BA]**

General Education – 39 Minimum Credit Hours (See Undergraduate Bulletin)

Professional Education Requirements for Integrated Social Studies Students – 39 hrs. with a “C” or better and a 2.5 GPA or better

<u>Professional Education Coursework</u>	<u>Credits</u>
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5610:225 Introduction to Exceptionalities	3
5300:320 Introduction to Teaching in the Content Area	3
5500:308 Instructional Techniques in Secondary Education	6
5500:223 Urban Youth Mentoring	3
5500:440 Literacy in the Content Area	3
5300:420 Instructional Techniques: Social Studies	3
5500:430 Clinical Teaching I	3
5300:495 Student Teaching [‡]	6
5300:421 Field Exper. in Instruct. Techniques in Secondary Education	3
5500:431 Clinical Teaching II	3

Content Requirements for Undergraduate Integrated Social Studies – 61 hrs. Required with a 2.5 GPA

3750:100 Introduction to Psychology	3
3850:100 Introduction to Sociology	3
3350:100 Introduction to Geography	3
3350:275 Geography of Cultural Diversity	3
3400:251 U.S. History since 1877	4
3400:250 U.S. History to 1877	4
3400:470 Ohio History	3
3400:487 Science and Technology in World History	3
3400:310 Historical Methods	3
3400:351 Global Hist: Encounters & Conflicts	4
5300:303 Global Education & Technology	3
5500:251 Teaching Personal Finance in the PK-12 Classroom	3
3250:200 Principles of Microeconomics	3
3250:201 Principles of Macroeconomics	3
3700:310 Intl. Politics & Institutions	3
3700:100 Government and Politics – U.S.	4
3400:200 Empires of the Ancient World	3

Choose **one** of the following courses:

3400:323 Europe from Revolution to World War I, 1789-1914	3
3400:324 Europe from WWI to Present	3

and

Choose **one** of the following courses:

3400:319 Medieval Europe, 500-1200	3
3400:320 Medieval Europe, 1200-1500	3
3400:321 Europe: Renaissance/Religious Wars, 1350-1610	3
3400:322 Europe: Absol/Revolution, 1610-1789	3

Program Total = 128 Credit Hours

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[‡]All students must have the approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE content test. Planned teaching experience in schools selected and supervised by the Office of Field experiences. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching fields. Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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General Education Requirements for Admission to Integrated Social Studies (AYA 7-12) (2.5 GPA in the following courses.)

- Written and Oral Communication** (at least 9 credits)
- I. 3300:111 (3 cr.) English Composition I (with grade of "C" or better)
3300:112 (3 cr.) English Composition II (with grade of "C" or better)
7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
 - II. **Social Science** – minimum of 3 credits. [See bulletin.]
 - III. **Quantitative Reasoning** - Mathematics – minimum of 3 credits
3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
 - IV. **Natural Science** – minimum of 5 credits [See bulletin]
 - V. **Teaching Field(s)** – minimum of 8 credits. [Does not include coursework already used above. A 2.50 GPA in all such coursework is required. This includes credits beyond the minimum of 8.]

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

**INTEGRATED LANGUAGE ARTS (AYA 7-12)
UNDERGRADUATE DEGREE [530701BA]**

General Education – 42 hrs.

Professional Education Requirements for Undergraduate Language Arts Students – 35 hrs. required with a “C” or better and a 2.5 GPA or better

	Credits
Phase One: Learning about Learners	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5300:100 Orientation: AYA/P-12/Multi-Age	0
5610:225 Introduction to Exceptionalities	3

Phase Two: Learning about Teaching

5500:308 Instructional Design/Assessment	3
5300:440 Literacy in the Content Areas	3

Phase Three: Learning to Apply the Principles of Teaching

5500:320 Intro. To Teaching in the Content Area	3
5300:420 Instruction. Tech. in 2 nd Ed.	3
5500:430 Clinical Teaching I	2

Phase Four: Learning to Teach

5300:495 Student Teaching [‡]	6
5300:421 Field Exp. Inst. Tech. In 2 nd Ed.	3
5500:431 Clinical Teaching II	3

Content Requirements for Undergraduate Integrated Language Arts Students – 42 hrs. required with a 2.5 GPA

Literature

3300:301 English Literature I	3
3300:341 American Literature I	3
3300:362 World Literature	3
Elective at 300 or 400 level in Multicult Lit.	3
Elective at 300 or 400 level in Women’s Lit.	3
Elective at 300 or 400 level in Literature	3
5300:330 Teaching Adol/Mid. Level. Lit.	3

Complete **one** of the following courses:

3300:315 Shakespeare: Early Plays	3
3300:316 Shakespeare: Mature Plays	3

Writing/Composition-Journalism

3300:300 Critical Reading/Writing	3
7600:300 Newswriting	3
5250:351 Modes of Writing	3

Language

3300:371 Introduction to Linguistics	3
5300:335 Lang. Learning Sec. Schools	3

Choose **one** of the following:

7600:305 Communication Theory	3
7600:235 Interpersonal Communication	3
7600:245 Argumentation	3
7600:252 Persuasion	3
7600:344 Small Group Communication	3

Minimum number of credits hours required for graduation and licensure 120

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330-972-7750*

[‡]All students must have the approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE content test. Planned teaching experience in schools selected and supervised by the Office of Field experiences. Co-requisite 5300:421 and 5500:431. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching field(s). Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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(330) 972-7750

General Education Requirements for Admission to Integrated Language Arts (AYA 7-12) (2.5 GPA in the following courses.)

- I. Written and Oral Communication (at least 9 credits)
 - 3300:111 (3 cr.) English Composition I (with grade of "C" or better)
 - 3300:112 (3 cr.) English Composition II (with grade of "C" or better)
 - 7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
- II. Social Science – minimum of 3 credits. [See bulletin.]
- III. Mathematics – minimum of 3 credits
 - 3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
 - 3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
- IV. Natural Science – minimum of 5 credits [See bulletin]
- V. Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
- VI. Teaching Field(s) – minimum of 8 credits. [Does not include coursework already used above. A 2.50 GPA in all such coursework is required. This includes credits beyond the minimum of 8.]

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

**INTEGRATED MATHEMATICS LICENSURE (GRADES 7-12)
UNDERGRADUATE DEGREE [530702BA]**

General Education – 41 hrs.

Professional Education Requirements for Undergraduate Mathematics Students – 41 hrs. Required with a “C” or better and a 2.5 GPA or better

	<u>Credits</u>
<u>Professional Education</u>	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5300:100 Orientation: AYA/P-12/Multi-Age	0
5610:225 Introduction to Exceptionalities	3
5300:320 Introduction to Teaching in the Content Area	3
5500:308 Instructional Techniques in Secondary Education	6
5500:440 Literacy in the Content Area	3
5300:420 Instructional Techniques: Math	3
5500:430 Clinical Teaching I	3
5300:495 Student Teaching [‡]	6
5300:421 Field Exper. in Instruct. Techniques in Secondary Education	3
5500:431 Clinical Teaching II	3

Content Requirements for Undergraduate Integrated Mathematics Students –2.5 GPA

Theoretical Math Option (39 credit hours)

3450:221 Analytic Geometry-Calculus I	4
3450:222 Analytic Geometry-Calculus II	4
3450:223 Analytic Geometry-Calculus III	4
3460:209 Intro to Computer Science	4
3450:312 Linear Algebra	3
3450:401 History of Mathematics	3
3450:307 Fundamentals of Adv. Math	3
3450:411 Abstract Algebra (3450:307 is prerequisite)	3
3450:441 Concepts in Geometry	4
3470:461 Applied Statistics	4

Choose ONE of the following

3450:335 Introduction to Ordinary Differential Equations	3
3450:421 Advanced Calculus I	3
3450:412 Abstract Algebra II	3

STEM-Based Option (40 credit hours)

3450:221 Analytic Geometry-Calculus I	4
3450:222 Analytic Geometry-Calculus II	4
3450:223 Analytic Geometry-Calculus III	4
3460:101 Essentials of Computer Science	3
3650:291 Elementary Classical Physics I	4
3450:312 Linear Algebra	3
3450:401 History of Mathematics	3
3450:441 Concepts in Geometry	4
3470:461 Applied Statistics	4
5500:439 Engineering For Educators	3

Choose ONE of the following

3450:208 Introduction to Discrete Mathematics	4
3450:209 Discrete Mathematics for Educators	4

Minimum number of credits hours required for graduation and licensure 120

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[‡]All students must have the approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE content test. Planned teaching experience in schools selected and supervised by the Office of Field experiences. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching fields. Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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General Education Requirements for Admission to Integrated Mathematics (AYA 7-12) (2.5 GPA in the following courses.)

- Written and Oral Communication** (at least 9 credits)
- I. 3300:111 (3 cr.) English Composition I (with grade of "C" or better)
3300:112 (3 cr.) English Composition II (with grade of "C" or better)
7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
- II. **Social Science** – minimum of 3 credits. [See bulletin.]
- III. **Quantitative Reasoning** - Mathematics – minimum of 3 credits
3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
- IV. **Natural Science** – minimum of 5 credits [See bulletin]
- V. **Teaching Field(s)** – minimum of 8 credits. [Does not include coursework already used above. A 2.50 GPA in all such coursework is required. This includes credits beyond the minimum of 8.]

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

INTEGRATED MATHEMATICS LICENSURE THEORETICAL OPTION (GRADES 7-12)
UNDERGRADUATE DEGREE [530702BA]
FOR THE STUDENT WHO WISHES TO STUDY MATHEMATICS AT THE THEORETICAL LEVEL AND POSSIBLY PURSUE
AND DOUBLE-MAJOR IN MATHEMATICS.

General Education – 41 hrs.

3450:312 Linear Algebra	3
3450:401 History of Mathematics	3
3450:411 Abstract Algebra	3
3450:441 Concepts in Geometry	4
3470:450 Probability	3

Professional Education Requirements for Undergraduate Mathematics Students – 41 hrs. required with a “C” or better and a 2.5 GPA or better

	<u>Credits</u>
<u>Phase One: Learning about Learners</u>	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5300:100 Orientation: AYA/P-12/Multi-Age	0
5610:225 Introduction to Exceptionalities	3

Choose **one** of the following:

3470:461 Applied Statistics	4
OR	
3470:451 Theoretical Statistics I	3
OR	
3450:412 Advanced Algebra II	3
OR	
3450:421 Advanced Calculus	3

Phase Two: Learning about Teaching

5500:308 Instructional Design/Assessment	3
5300:440 Literacy in the Content Areas	3

Minimum number of credits hours required for graduation and licensure 121

Phase Three: Learning to Apply the Principles of Teaching

5500:320 Intro. To Teaching in the Content Area	3
5300:420 Instruction. Tech. in 2 nd Ed.	3
5500:430 Clinical Teaching I	2

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Phase Four: Learning to Teach

5300:495 Student Teaching [‡]	6
5300:421 Field Exp. Inst. Tech. In 2 nd Ed.	3
5500:431 Clinical Teaching II	3

Content Requirements for Undergraduate Integrated Mathematics Students – 39 hrs. required with a 2.5 GPA

3450:221 Analytic Geometry-Calculus I	4
3450:222 Analytic Geometry-Calculus II	4
3450:223 Analytic Geometry-Calculus III	4

Choose **one** of the following:

3460:209 Introduction to Computer Science	3
OR	
3460:101 Essentials of Computer Science	3
OR	
3450:307 Fundamentals of Adv. Math	3

[‡]All students must have the approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE content test. Planned teaching experience in schools selected and supervised by the Office of Field experiences. Co-requisite 5300:496. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching field(s). Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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General Education Requirements for Admission to Integrated Mathematics (AYA 7-12) (2.5 GPA in the following courses.)

- I. Written and Oral Communication (at least 9 credits)
 - 3300:111 (3 cr.) English Composition I (with grade of "C" or better)
 - 3300:112 (3 cr.) English Composition II (with grade of "C" or better)
 - 7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
- II. Social Science – minimum of 3 credits. [See bulletin.]
- III. Mathematics – minimum of 3 credits
 - 3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
 - 3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
- IV. Natural Science – minimum of 5 credits [See bulletin]
- V. Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
- VI. Teaching Field(s) – minimum of 8 credits. [Does not include coursework already used above. A 2.50 GPA in all such coursework is required. This includes credits beyond the minimum of 8.]

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 - 1. A composite ACT score of 21 or higher, or
 - 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 - 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

B.S. Multi-Age Pre-K – 12 Physical Education 555000BS

The following information has official approval of the **School of Sport Science and Wellness Education**, but is intended only as a supplemental guide.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education>

1 st Year	Fall Semester	Credit Hours	Prerequisites
*7600:105 or *7600:106	<i>Introduction to Public Speaking</i> OR <i>Effective Oral Communication</i>	3	
*3300:111	<i>English Composition I requirement – C or better</i>	3	Appropriate placement by advisor
*3750:100	<i>Introduction to Psychology (Social Science requirement)</i>	3	
*3100:200	<i>Human Anatomy and Physiology I Lecture (Natural Science requirement)</i>	3	
*3100:201	<i>Human Anatomy and Physiology I Lab (Natural Science requirement)</i>	1	
*5550:193	Orientation to Teaching Physical and Health Education - C or better	3	
Total		16	
1 st Year	Spring Semester		
*3300:112	<i>English Composition requirement – C or better</i>	3	3300:111
*3850:100	<i>Intro to Sociology (meets Social Science & Domestic Diversity requirement)</i>	3	
*	<i>Natural Science</i>	3	See General Education guide
*3450/3470	<i>Math Requirement (see note A)</i>	3-4	Appropriate placement by advisor
5570:101	Personal Health	2	
Total		14-15	

***Preadmission Courses** – Completion of these 30 prescribed credits (*) is required for admission to the Teacher Education Program (TEP). A minimum 2.5 GPA is required in the preadmission coursework. A **cumulative GPA** of 3.0 is required for admission to the TEP. Transferring your file to the College of Education is only one step in the process. See **Additional Preadmission Requirements (PARS) necessary to be accepted into a Teacher Education Program** on the third page of this guide.

2 nd Year	Fall Semester (Admission to COE / TEP)		
5300:100	Orientation to AYA/P-12/Multi-Age Program	0	Admission to TEP**
5100:200	Introduction to Education	3	Admission to TEP**
5100:220	Educational Psychology	3	Admission to TEP**
5610:225	Introduction to Exceptionalities	3	Admission to TEP**
5550:235	Concepts of Motor Dev. & Learning(see note B)	3	
5550:102	Fitness, Leisure and Healthy Lifestyle	3	
Total		15	
2 nd Year	Spring Semester		
5100:308	Instructional Design & Assessment	6	5100:200, 5100:220, 5500:230, 5610:225
5550:211	First Aid and CPR	2	
5550:203	Measurement & Evaluation in PE	3	
5550:245	Adapted Physical Education	3	
	<i>Art requirement</i>	3	See General Education guide
Total		17	

****Current BCI / FBI background check**

ALERT: By the end of your first 48 credit hours attempted, you must have completed your General Education Writing, Quantitative Reasoning, and Speaking requirements.

3 rd year		Fall Semester	Credit Hours	Prerequisites
5570:423	Methods & Materials in Health Education		3	5570:101, 5100:308
	<i>Humanities</i> requirement		3	See General Education guide
5550:202	Diagnosis of Motor Skills		3	
5550:204	Individual & Team Sports		2	
5550:302	Physiology of Exercise		3	3100::200 & 201
Total			14	
3 rd year		Spring Semester	Credit Hours	Prerequisites
5550:450	Organization & Administration of Physical Ed, Intramurals & Athletics		3	Admission to Sport Science and Wellness
5550:452	Foundation of Sport Science, Physical & Health Education		3	Admission to Sport Science and Wellness
5570:421	Comprehensive School Health		3	5570 101, 5100: 308
5550:446	Instructional Technique in Secondary Physical Ed.& Health		3	5550:102,193, 204 full admission to major
5550:447	Instructional Technique for Children in PE		3	5550:193, 5100:308
Total			15	
4 th year		Fall Semester	Credit Hours	Prerequisites
	<i>Critical Thinking</i> requirement			See General Education guide
	<i>Arts or Humanities</i> requirement		3	See General Education guide
	<i>Complex Systems Affecting Individuals in Society</i> requirement		3	See General Education guide
	<i>Global Diversity</i> requirement		3	See General Education guide
7750:240	Substance Use and Abuse		3	
Total			15	
4 th year		Fall Semester	Credit Hours	Prerequisites
5300:495	Student Teaching PE/Health		11	
5300:496	Student Teaching Colloquium		2	
Total			13	
	Minimum Total Credits for Degree		120	

IMPORTANT: College of Education and Sport Science/Wellness Department **REQUIRES** a **C** or better in **ALL** 5100/5550 coursework. 5550 courses listed on this guide **MAY BE TAKEN** prior to admission to the Teacher Education Program as long as all pre-requisites are met.

Additional Notes:

- a. One of several courses **may** be taken to fulfill the math requirement. Please check with your advisor before registering for math. Any math that meets the General Education math requirement will qualify.
- b. **Coursework in the teaching field requires a 2.5 GPA prior to student teaching.**

To be admitted to the Teacher Education Program (TEP) coursework, a student must have completed the preadmission coursework with a 2.5 GPA **AND** have attained an overall 3.0 GPA (including transfer work for the first 15 credits at UA).

ADDITIONAL PREADMISSION REQUIREMENTS (PARS) NECESSARY TO BE ACCEPTED INTO A TEACHER EDUCATION

PROGRAM: Students will not be allowed to take 5100, 5200, 5250, 5300, 5500, 5610 courses in the College of Education until the following preadmission requirements are on file in the COE:

1. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. [Download the application](#)
2. **Intercollege Transfer.** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT (Inter-College Transfer).
3. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
4. **Evidence of competency in reading comprehension and writing as shown by one of the following:**
 - A composite ACT score of 21 or higher, **or**
 - A composite SAT score of 980 (Math and Verbal) or higher, **or**
 - A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
 - The Pre-Professional Skills Test (PPST) or computerized version (CBT), scoring at least 173 in reading comprehension and at least 172 in writing (testing information is available in Central Hower 303).
 - Master's with Licensure students are exempt from this requirement by virtue of their Bachelor's Degree.
5. **Evidence of competency in mathematics as shown by one of the following:**
 - A composite ACT score of 21 or higher, **or**
 - A composite SAT score of 980 (Math and Verbal) or higher, **or**
 - A grade of "B" or better in minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
 - The Pre-Professional Skills Test (PPST) or computerized version (CBT), scoring at least 172 in mathematics (testing information is available in Central Hower 303).
 - Master's with Licensure students are exempt from this requirement by virtue of their Bachelor's Degree.
6. **Signed [Criminal Background Check Acknowledgement Form](#)**

Effective: Summer 2017
 Updated: 02/26/18

555002BS Athletic Training

The following information has official approval of the **School of Sport Science and Wellness**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, following the sequence of classes as listed below, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your Academic Advisor.

+Preadmission courses: A grade of “C” or higher is required and an overall GPA of a 2.75 must be obtained and maintained throughout the Athletic Training Program (ATP).

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education>

1 st Year	Fall Semester	Credit Hours	Prerequisites
3100:200	+ <i>Human Anatomy & Physiology I</i> (Notes a and b)	3	
3100:201	+ <i>Human Anatomy & Physiology I Lab</i> (Notes a and b)	1	
	<i>English Composition I Requirement</i> (Note b)	3	Appropriate placement by advisor
	<i>Math Requirement</i> (Note d)	3-4	Appropriate placement by advisor
5550:150	+Concepts of Health & Fitness	3	
5550:110	+Introduction to Athletic Training	1	
	<i>Speech/ Oral Communication Requirement</i>	3	
Total		17-18	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3100:202	+ <i>Human Anatomy & Physiology II</i> (Notes a and b)	3	3100:200
3100:203	+ <i>Human Anatomy & Physiology II Lab</i> (Notes a and b)	1	3100:201
	<i>English Composition II Requirement</i> (Note b and c)	3	3300:111
3850:100	<i>Introduction to Sociology</i> (Required Social Science and meets Domestic Diversity Requirement)	3	
5550:240	+Care & Prevention of Athletic Injuries	3	3100:200 and 3100:201 prerequisites or
5550:241	+Care& Prevention of Athletic Injuries Lab	1	(30 clinical hours)
Total		14	

ADMISSION INTO THE COLLEGE OF HEALTH PROFESSIONS DOES NOT CONSTITUTE ADMISSION TO THE ATHLETIC TRAINING PROGRAM. A student must apply and be approved for admission into the Athletic Training program by a committee which conducts on-campus interviews with all such candidates. A formal written application must be completed by **May 1st**. This process can be completed **prior** to admission to the College. Applications are available at www.uakron.edu/athletictraining. Contact the Program Director in InfoCision Stadium 3071, (330) 972-7475 for further information.

+Preadmission coursework for acceptance into Athletic Training program. Must be “C” or better. Courses must be taken in the freshman year or it will result in student ineligibility to take any Athletic Training program courses, ineligibility to apply for program admission, and extending the completion of the coursework for an entire academic year.

2nd Year Fall Semester			
5550:250	Kinesiology	3	3100:200, 3100:201 or 3100:202, 3100:203
5550:250	Principles of Athletic Training	3	Accepted into ATP
2740:230	Basic Pharmacology	3	
5550:242	Therapeutic Modalities	3	Accepted into ATP, 5550:243 corequisite
5550:243	Athletic Training Lab I (150 clinical hours) (Note f)	1	Accepted into ATP, 5550:242 corequisite
	<i>Arts or Humanities Requirement</i>	3	
Total		16	
2nd Year Spring Semester			
7760:133	Nutrition Fundamentals	3	
5550:255	Emergency Care	3	Accepted into ATP
5550:401	Musculoskeletal Anatomy II	3	3100:200, 3100:201, 3100:202, 3100:203
3750:100	<i>Introduction to Psychology</i> (<i>Social Science Requirement</i>)	3	
5550:275	Advanced Athletic Injury Management: Lower	3	5550:242, 5550:243, prerequisites and
5550:276	Athletic Training Lab II (150 clinical hrs) (Note f)	1	5550:242, 5550:243 prerequisites and
Total		16	
3rd Year Fall Semester			
5550:400	Musculoskeletal Anatomy I	3	3100:200, 3100:201, 3100:202, 3100:203
5550:302	Physiology of Exercise & Lab	3	3100:200, 3100:201, 3100:202, 3100:200
5550:342	Advanced Athletic Injury Management: Upper Extremity	3	5550:275, 5550:276, prerequisites and 5550:343 corequisite
5550:343	Athletic Training Lab III (HS) (150 clinical hrs) (Note f)	1	5550:275, 5550:276, prerequisites and 5550:342 corequisite
2740:120	Medical Terminology	3	
	<i>Art Requirement</i>	3	
Total		16	
3rd Year Spring Semester			
5550:360	Practicum I	1	3100:200, 3100:201, 3100:202, 3100:203
	<i>Critical Thinking requirement/humanities Requirement (Note e)</i>	3	
5550:470	Injury Pathology & Therapeutic Interventions	3	3100:200, 3100:201, 3100:202, 3100:203
5550:332	Therapeutic Exercise & Rehabilitation I Principles	3	5550:342, 343 prerequisites and 5550:333 corequisite
5550:333	Athletic Training Lab IV (150 clinical hrs) (Note f)	1	5550:342, 343 Corequisite 332
5550:412	General Medical Aspects	3	3100:200/201 or Permission
Total		14	
4th Year Fall Semester			
5550:405	Clinical Experience I (50 clinical hrs)	2	Accepted into ATP
5550:426	Nutrition in Sport	3	7760:133
5550:352	Strength & Conditioning Fundamentals	3	3100:200, 3100:201, 3100:202, 3100:203
5550:449	Organization and Administration for Health Care Professionals	3	Senior Level Status or Permission
5550:445	Therapeutic Exercise & Rehabilitation II Applications	3	5550:332, 5550:333 prerequisites and 5550:444 corequisite

5550:444	Athletic Training Lab V (150 clinical hrs) (Note f)	1	5550:332, 5550:333 prerequisites and 5550:445 corequisite
	<i>Global Diversity Requirement</i>	3	
Total		18	

4th Year		Spring Semester	
5550:467	Practicum II	1	3100:200, 3100:201, 3100:202, 3100:203
	<i>Complex Systems Affecting Individuals in Society Requirement</i>	3	
5550:456	Research Seminar Athletic Training	3	Enrollment with Advisor permission only
5550:395	Field Experience (150 clinical hrs)	3	Permission of Advisor
5550:415	Seminar in Athletic Training	2	3100:200, 3100:201, 3100:202, 3100:203
5550:465	Psychology of Injury Rehabilitation	2	3100:200, 3100:201, 3100:202, 3100:203
Total		14	
	Minimum Credits for Degree	125-126	

ALERT: By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements

Contact: Dr. Judith Juvancic-Heltzel, Interim School Director, Sport Science & Wellness Education, InfoCision 311, (330) 972-6273, jaj52@uakron.edu. Dr. Stacey Buser, Program Director, InfoCision 307 I, (330) 972-7475, buser@uakron.edu **Dept. E-Mail:** athletictraining@uakron.edu

NOTES:

- a. The General Education Natural Science requirement is completed by taking 3100:200/201 and 3100:202/203, Human Anatomy and Physiology I/II with labs.
- b. Anatomy and Physiology I&II and labs must be completed with a grade of “C” or better. English I and II also must be completed with a grade of “C” or better.
- c. Recommended: Technical Report Writing – 2020:222.
- d. A variety of 3450/3470 courses can be used to complete the Math requirement. Basic Statistics, 3470:260 is recommended. **If you choose to major in Athletic Training as preparation to enter the field of Physical Therapy you must have high school algebra and trigonometry or 3450:149, Precalculus as a corequisite for 3650:261, Physics for Life Sciences I. 3650:261/262, Physics for Life Sciences I, II would be taken later in the program for students choosing Physical Therapy. Principles of Chem I and Principles Biology I are corequisites and have a prerequisite of College Algebra.**
- e. Critical Thinking requirement can double as humanities. See GE course listing or advisor for details.
- f. Course requires clinical rotation. Contact the school for details.

The Athletic Training Program [ATP] is composed of academic and laboratory components. It is a comprehensive program, which includes a clinical education component with University of Akron Varsity sport rotations and a field experience with a sports medicine clinic, orthopedic, and general medical rotations. The ATP is a competency-based program. Students must complete the competencies, as well as show competency in all course proficiencies. Students must have a minimum of a 2.75 grade point average for program application, and must maintain the minimum 2.75 to continue in the program. Upon acceptance into the ATP, students must maintain a grade of “C” or better in all Athletic Training core courses. After completion of the ATP, the student will be eligible to sit for the BOC examination with the endorsement of the Program Director. Included in the Athletic Training Education Program, as a component of the Clinical education component, students will acquire **800** documented hours, which will meet the hour requirement for application for Ohio State Licensure as an Athletic Trainer.

(Buser)

EXERCISE SCIENCE 555230BS

Physiological Sciences Concentration

The following information has official approval of the **School of Sport Science and Wellness Education**, but is intended only as a supplemental guide.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education>

1 st Year	Fall Semester	Credit Hours	Prerequisites
3100:200	<i>*Human Anatomy & Physiology I (Natural Science Requirement)</i>	3	
3100:201	<i>*Human Anatomy & Physiology I Lab (Natural Science Requirement)</i>	1	
	<i>*English Composition I</i> requirement (see Important below)	3	Appropriate placement by advisor
	<i>*Math</i> requirement (Quantitative Reasoning)	3-4	Appropriate placement by advisor
3750:100	<i>*Introduction to Psychology (Social Science)</i>	3	
5550:212	<i>First Aid/CPR: Professional Rescuer</i>	2	
Total		15-16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3100:202	<i>Human Anatomy & Physiology II (Natural Science Requirement)</i>	3	3100:200
3100:203	Human Anatomy & Physiology II Lab	1	
	<i>*English Composition II</i> requirement (see Important below)	3	3300:111 or equivalent
	<i>*Speech/Oral Communication</i> requirement	3	
5550:125	<i>*Introduction to Exercise Science</i>	1	
3850:100	<i>*Introduction to Sociology (meets Social Science & Domestic Diversity)</i>	3	
Total		14	

Important:

- *Preadmission courses must average 2.5 GPA with an overall GPA of 2.75 or higher for admission to the program.
- English I & II must be completed with a "C" or better
- All major coursework used for graduation requires a "C" or higher

2 nd Year	Fall Semester	Credit Hours	Prerequisites
5570:202	Stress Management	3	
5550:240	Care & Prevention of Athletic Injuries	3	3100:200, 3100:201 prerequisites 3100:202, 3100:203 corequisites
5550:235	Concepts of Motor Development and Learning	3	
2740:120	Medical Terminology	3	
5550:150	Concepts of Health & Fitness	3	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
5550:220	Health Promotion and Behavior Change	3	5550:150
5550:201	Kinesiology	3	3100:200, 3100:201 or 3100:202, 3100:203
7760:133	Nutrition Fundamentals	3	
2740:230	Basic Pharmacology	3	
	<i>Arts</i> requirement	3	See General Education guide
5550:202	Diagnosis of Motor Skills	3	
Total		18	

ALERT: By the end of your first 48 credit hours attempted, you must have completed your General Education Writing, Quantitative Reasoning, and Speaking requirements.

3rd Year Fall Semester			
	<i>Arts or Humanities</i> requirement	3	See General Education guide
5550:302	Physiology of Exercise & Lab	3	3100:200, 3100:201, 3100:202, 3100:203, and admission to the Sport Science and Wellness Program
3006:450	Interdisciplinary Seminar in Lifespan Development and Gerontology	2	Permission of Instructor
	<i>Critical Thinking/Humanities</i> requirement (see note at bottom)	3	See General Education guide
5550:400	Musculoskeletal Anatomy I	3	3100:200, 3100:201, 3100:202, 3100:203
5550:352	Strength and Conditioning Fundamentals	3	3100:200, 3100:201, 3100:202, 3100:203
Total		17	

3rd Year Spring Semester			
5550:327	Exercise Leadership	3	5550:302
5550:401	Musculoskeletal Anatomy II	3	3100:200, 3100:201, 3100:202, 3100:203
	<i>Complex Systems Affecting Individuals in Society</i> requirement	3	See General Education guide
5550:426	Nutrition for Sports	3	7760:133
	SSWE Elective (see SSWE Advisor)	3	
Total		15	

3rd Year Summer Semester			
5550:438	Cardiac Rehab. Principles	3	5550:302
Total		3	

4th Year Fall Semester			
5550:449	Organization and Administration for Healthcare Professionals	3	Senior level status and Permission only
5550:403	Exercise Testing	3	5550:302
5550:330	Exercise and Weight Control	3	5550:302
5550:418	Cardiorespiratory Function	3	5550:302
5550:355	Exercise in Special Populations	3	5550:302, 5550:403
Total		15	

4th Year Spring Semester			
5550:460	Practicum	6	Permission of advisor
	<i>Global Diversity</i> requirement	3	See General Education guide
5550:412	General Medical Aspects	3	3100:200, 3100:201
5550:404	Exercise Prescription	3	5550:403
5550:485	Exercise Science Capstone	2	5550:302, 5550:403
Total		17	

	Minimum Credits for Degree	129-130	
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Note: *Critical Thinking* can double as a *Humanities* – see GE course listing (<http://www.uakron.edu/general-education>) or advisor

Contact: Dr. Judith Juvancic-Heltzel, Interim School Director, Sport Science & Wellness Education, InfoCision 311, (330) 972-6273, jaj52@uakron.edu. Dr. Rachele Kappler, Senior Clinical Instructor; Program Director, Exercise Science, (330-972-6524), kappler@uakron.edu **Department E-Mail:** exercisescience@uakron.edu

EXERCISE SCIENCE 555231BS

Coaching & Conditioning

The following information has official approval of the **School of Sport Science and Wellness Education**, but is intended only as a supplemental guide.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education>

1 st Year	Fall Semester	Credit Hours	Prerequisites
3100:200	<i>*Human Anatomy & Physiology I</i> (Natural Science requirement)	3	
3100:201	<i>*Human Anatomy & Physiology I Lab</i> (Natural Science requirement)	1	
	<i>*English Composition I requirement (see Important below)</i>	3	Appropriate placement by advisor
	<i>*Math requirement</i> (Quantitative Reasoning)	3-4	Appropriate placement by advisor
3750:100	<i>*Introduction to Psychology</i> (Social Science)	3	
5550:212	<i>First Aid/CPR: Professional Rescuer</i>	2	
Total		15-16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3100:202	<i>Human Anatomy & Physiology II</i> (Natural Science Requirement)	3	3100:200
3100:203	Human Anatomy & Physiology II Lab	1	
	<i>*English Composition II requirement (see Important below)</i>	3	3300:111 or equivalent
	<i>*Speech/Oral Communication requirement</i>	3	
5550:125	<i>*Introduction to Exercise Science</i>	1	
3850:100	<i>*Introduction to Sociology</i> (meets Social Science & Domestic Diversity requirements)	3	
Total		14	

Important:

- *Preadmission courses must average 2.5 GPA with an overall GPA of 2.75 or higher for admission to the program.
- English I & II must be completed with a "C" or better
- All major coursework used for graduation requires a "C" or higher

2 nd Year	Fall Semester	Credit Hours	Prerequisites
5570:202	Stress Management	3	
5550:240	Care & Prevention of Athletic Injuries	3	3100:200, 3100:201 prerequisites 100:202, 3100: 203 corequisites
5550:235	Concepts of Motor Development and Learning	3	
2740:120	Medical Terminology	3	
5550:150	Concepts of Health & Fitness	3	
Total		15	

ALERT: By the end of your first 48 credit hours attempted, you must have completed your General Education Writing, Quantitative Reasoning, and Speaking requirements.

2nd Year Spring Semester			
5550:220	Health Promotion and Behavior Change	3	5550:150
5550:201	Kinesiology	3	3100:200, 3100:201 or 3100:202, 3100:203
7760:133	Nutrition Fundamentals	3	
	<i>Art</i> requirement	3	See General Education guide
5550:160	Introduction to Coaching	3	
5550:202	Diagnosis of Motor Skills	3	
Total		18	

3rd Year Fall Semester			
5550:302	Physiology of Exercise & Lab	3	3100:200, 3100:201, 3100:202, 3100:203, and admission to the Sport Science and Wellness Program
5550:409	Sport Behavior	3	
	<i>Critical Thinking/Humanities</i> requirement (see note at bottom)	3	See General Education guide
5550:400	Musculoskeletal Anatomy I UE	3	3100:200, 3100: 201, 3100:202, 3100:203
5550:375	Sport Performance Principles	3	
Total		15	

3rd Year Spring Semester			
	Additional <i>Arts</i> or <i>Humanities</i> requirement	3	See General Education guide
5550:327	Exercise Leadership	3	5550:302
5550:352	Strength and Conditioning Fundamentals	3	3100:200, 3100: 201, 3100:202, 3100:203
5550:401	Musculoskeletal Anatomy II LE	3	3100:200, 3100: 201, 3100:202, 3100:203
	<i>Complex Systems Affecting Individuals in Society</i> requirement	3	See General Education guide
5550:426	Nutrition for Sports	3	7760:133
Total		18	

4th Year Fall Semester			
	SSWE Elective (see SSWE advisor)	3	
5550:449	Organization/Administration: HCP	3	Senior level status and Permission only
5550:403	Exercise Testing	3	5550:302
5550:330	Exercise and Weight Control	3	5550:302
5550:406	Advanced Strength and Conditioning	3	5550:352
	<i>Global Diversity</i> requirement	3	See General Education guide
Total		18	

4th Year Spring Semester			
5550:460	Practicum	6	Permission of advisor
5550:462	Legal Aspects of Physical Activity	2	
5550:355	Exercise in Special Populations	3	5550:302, 5550:403
5550:404	Exercise Prescription	3	5550:403
5550:485	Exercise Science Capstone	2	5550: 302, 5550: 403
Total		16	
	Minimum Credits for Degree	129-130	

Note: *Critical Thinking* can double as a *Humanities* – see GE course listing (<http://www.uakron.edu/general-education>) or advisor

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EXERCISE SCIENCE 555232BS

Pre Physical Therapy Concentration

03/01/18

The following information has official approval of the **School of Sport Science and Wellness Education**, but is intended only as a supplemental guide.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education>

1 st Year	Fall Semester	Credit Hours	Prerequisites
3100:200	<i>*Human Anatomy & Physiology I (Natural Science Requirement)</i>	3	
3100:201	<i>*Human Anatomy & Physiology I Lab (Natural Science Requirement)</i>	1	
	<i>*English Composition I Requirement (see Important below)</i>	3	Appropriate placement by advisor
3450:145	<i>*College Algebra (see note A on page 2)</i>	4	Appropriate placement by advisor
3750:100	<i>*Introduction to Psychology(Social Science)</i>	3	
5550:212	<i>First Aid/CPR: Professional Rescuer</i>	2	
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3100:202	<i>Human Anatomy & Physiology II (Natural Science Requirement)</i>	3	3100:200
3100:203	Human Anatomy & Physiology II Lab	1	
	<i>*English Composition II Requirement (see Important below)</i>	3	3300:111 or equivalent
	<i>*Speech/Oral Communication Requirement</i>	3	
5550:125	<i>*Introduction to Exercise Science</i>	1	
3850:100	<i>*Introduction to Sociology(meets Social Science & Domestic Diversity requirements)</i>	3	
Total		14	

Important:

- *Preadmission courses must average 2.5 GPA with an overall GPA of 2.75 or higher for admission to the program.
- English I & II must be completed with a "C" or better
- All major coursework used for graduation requires a "C" or higher

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3100:111	+Principles of Biology I (Natural Science) (See note B on page 2)	4	3150:151, prerequisite or corequisite
3150:151	+Principles of Chemistry I (See note B on page 2)	3	Placement into 3450:149 or higher
3150:152	<i>+Principles of Chemistry I Lab (Natural Science Requirement) (See note B on page 2)</i>	1	3150:151, prerequisite or corequisite
5550:240	Care & Prevention of Athletic Injuries	3	3100:200, 3100:201, prerequisite and 3100:202, 3100:203, corequisite
2740:120	Medical Terminology	3	
5550:150	Concepts of Health & Fitness	3	
Total		17	

<p>ALERT: By the end of your first 48 credit hours attempted, you must have completed your General Education Writing, Quantitative Reasoning, and Speaking requirements.</p>

2 nd Year Spring Semester			
5550:220	Health Promotion and Behavior Change	3	5550:150
5550:201	Kinesiology	3	3100:200, 3100:201 or 3100:202, 3100:203
7760:133	Nutrition Fundamentals	3	
	<i>Art</i> requirement	3	See General Education guide
5570:202	Stress Management	3	
	<i>Critical Thinking/Humanities</i> requirement (see note C)	3	See General Education guide
Total		18	

3 rd Year Fall Semester			
3650:261	Physics for Life Sciences I	4	High school algebra, trigonometry, or 3450:149 as a corequisite
5550:302	Physiology of Exercise & Lab	3	3100:200, 3100:201, 3100:202, 3100:203, and admission to the Sport Science and Wellness Program
	<i>Arts or Humanities</i> requirement	3	See General Education guide
5550:400	Musculoskeletal Anatomy I UE	3	3100:200, 3100:201, 3100:202, 3100:203
5550:235	Concepts of Motor Dev and Learning	3	
Total		16	

3 rd Year Spring Semester			
3650:262	Physics for Life Sciences II	4	3650:261
5550:327	Exercise Leadership	3	5550:302
5550:352	Strength and Conditioning Fundamentals	3	3100:200, 3100:201, 3100:202, 3100:203
5550:401	Musculoskeletal Anatomy II LE	3	3100:200, 3100:201, 3100:202, 3100:203
5550:460	Practicum	4	Permission of advisor
Total		17	

4 th Year Fall Semester			
5550:426	Nutrition for Sports	3	7760:133 4145603
5550:449	Organization and Administration for Healthcare Professionals	3	Senior level status
5550:403	Exercise Testing	3	5550:302
5550:330	Exercise and Weight Control	3	5550:302
5550:xxx	SSWE Elective	3	
Total		15	

4 th Year Spring Semester			
5550:355	Exercise in Special Populations	3	5550:302, 5550:403
	<i>Complex Systems Affecting Individuals in Society</i> requirement	3	See General Education guide
5550:202	Diagnosis of Motor Skills	3	
5550:404	Exercise Prescription	3	5550:403
5550:485	Exercise Science Capstone	2	5550: 302, 5550: 403
	<i>Global Diversity</i> requirement	3	See General Education guide
Total		17	
	Minimum Credits for Degree	130	

Notes:

A. If a student is eligible for Precalculus, as needed for later science courses, the department recommends taking Basic Statistics instead of College Algebra. Many physical therapy schools require a statistics class for admission. If a student places below Precalculus s/he may take both College Algebra and Basic Statistics.

B. While Principles of Biology I and Principles of Chemistry I are required by the major, the Department recommends also taking Principles of Biology II and Principles of Chemistry II. Many physical therapy schools require two semesters of both Biology and Chemistry for admission.

C. *Critical Thinking* can double as a *Humanities* – see GE course listing (<http://www.uakron.edu/general-education>) or advisor

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EXERCISE SCIENCE 555233BS

Fitness Management Concentration

The following information has official approval of the **School of Sport Science and Wellness Education**, but is intended only as a supplemental guide.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education>

1 st Year	Fall Semester	Credit Hours	Prerequisites
3100:200	<i>*Human Anatomy & Physiology I (Natural Science Requirement)</i>	3	
3100:201	<i>*Human Anatomy & Physiology I Lab (Natural Science Requirement)</i>	1	
	<i>*English Composition I Requirement (see Important below)</i>	3	Appropriate placement by advisor
	<i>*Math Requirement</i>	3-4	Appropriate placement by advisor
3750:100	<i>*Introduction to Psychology(Social Science)</i>	3	
5550:212	<i>First Aid/CPR: Professional Rescuer</i>	2	
Total		15-16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3100:202	<i>Human Anatomy & Physiology II (Natural Science Requirement)</i>	3	3100:200
3100:203	Human Anatomy & Physiology II Lab	1	
	<i>*English Composition II Requirement (see Important below)</i>	3	3300:111 or equivalent
	<i>*Speech/Oral Communication requirement</i>	3	
5550:125	<i>*Introduction to Exercise Science</i>	1	
3850:100	<i>*Introduction to Sociology (meets Social Science & Domestic Diversity)</i>	3	
Total		14	

Important:

- *Preadmission courses must average 2.5 GPA with an overall GPA of 2.75 or higher for admission to the program.
- English I & II must be completed with a "C" or better
- All major coursework used for graduation requires a "C" or higher

2 nd Year	Fall Semester	Credit Hours	Prerequisites
5570:202	Stress Management	3	
5550:240	Care & Prevention of Athletic Injuries	3	3100:200, 3100:201 prerequisites 3100:202, 3100:203 corequisites
5550:235	Concepts of Motor Development and Learning	3	
2740:120	Medical Terminology	3	
5550:150	Concepts of Health & Fitness	3	
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
5550:220	Health Promotion and Behavior Change	3	5550:150
5550:201	Kinesiology	3	3100:200, 3100:201 or 3100:202, 3100:203
7760:133	Nutrition Fundamentals	3	
	<i>Arts requirement</i>	3	See General Education guide
	<i>Critical Thinking/Humanities requirement (see note on page 2)</i>	3	See General Education guide
5550:202	Diagnosis of Motor Skills	3	
Total		18	

ALERT: By the end of your first 48 credit hours attempted, you must have completed your General Education Writing, Quantitative Reasoning, and Speaking requirements.

3rd Year Fall Semester			
	Additional Arts <u>or</u> Humanities requirement	3	See General Education guide
5550:302	Physiology of Exercise & Lab	3	3100:200, 3100:201, 3100:202, 3100:203, and admission to the Sport Science and Wellness Program
5550:366	Sport Communication	3	
5550:370	Financial Aspects of Sports	3	
5550:400	Musculoskeletal Anatomy I UE	3	3100:200, 3100:201, 3100:202, 3100:203, and 5550:201
5550:462	Legal Aspects of Physical Activity	2	
Total		17	

3rd Year Spring Semester			
5550:327	Exercise Leadership	3	5550:302
5550:352	Strength and Conditioning Fundamentals	3	3100:200, 3100:201, 3100:202, 3100:203
5550:401	Musculoskeletal Anatomy II LE	3	3100:200, 3100:201, 3100:202, 3100:203
	<i>Complex Systems Affecting Individuals in Society</i> requirement	3	See General Education guide
5550:426	Nutrition for Sports	3	7760:133
Total		15	

4th Year Fall Semester			
	SSWE Elective (see SSWE advisor)	3	
5550:449	Organization and Administration for Healthcare Professionals	3	Senior level status
5550:403	Exercise Testing	3	5550:302 and admission to the Sport Science and Wellness Program
5550:330	Exercise and Weight Control	3	5550:302
	<i>Global Diversity</i> requirement	3	See General Education guide
5550:420	Fundamentals of Management Strategies in Sport	3	
Total		18	

4th Year Spring Semester			
5550:460	Practicum	6	Permission of advisor
5550:355	Exercise in Special Populations	3	5550:302, 5550:403
5550:422	Sport Planning and Promotion	3	
5550:404	Exercise Prescription	3	5550:403
5550:485	Exercise Science Capstone	2	5550:302, 5550:403
Total		17	
	Minimum Credits for Degree	129-130	

Note: *Critical Thinking* can double as a *Humanities* – see GE course listing (<http://www.uakron.edu/general-education>) or advisor

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SPORT STUDIES 555235BS

Coaching Education Concentration

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Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education>

1 st Year	Fall Semester	Credit Hours	Prerequisites
3300:111	<i>*English Composition I Requirement (see Important below)</i>	3	Appropriate placement by advisor
	<i>*Natural Science requirement/lab</i>	4	See General Education guide
	<i>*Math requirement</i>	3-4	Appropriate placement by advisor
3750:100	<i>*Introduction to Psychology (Social Science requirement)</i>	3	
5570:101	Personal Health	2	5570:101
Total		15-16	
1 st Year	Spring Semester		
3300:112	<i>*English Composition II Requirement (see Important below)</i>	3	3300:111 or equivalent
	<i>*Speech/Oral Communication requirement</i>	3	
5550:100	Introduction to Sport Studies	3	
3850:100	<i>*Introduction to Sociology (meets Social Science & Domestic Diversity)</i>	3	
	<i>*Natural Science requirement</i>	3	See General Education guide
Total		15	

Important:

- * Preadmission courses must average 2.5 GPA with an overall GPA of 2.5 or higher for admission to the program.
- English I & II must be completed with a "C" or better for admission to the major

2 nd Year	Fall Semester		
5570:202	Stress Management	3	
5550:160	Introduction to Coaching	3	
5550:364	Sport Ethics	3	
5550:203	Measurement and Evaluation in PE	3	
5550:211	First Aid/CPR	2	
Total		14	
2 nd Year	Spring Semester		
5550:362	Sport History	3	
5550:245	Adapted Physical Education	3	
5550:235	Concepts of Motor Dev and Learning	3	
	<i>Arts requirement</i>	3	See General Education guide
5550:xxx	SSWEE Elective	3	
Total		15	

ALERT: By the end of your first 48 credit hours attempted, you must have completed your General Education Writing, Quantitative Reasoning, and Speaking requirements.

3rd Year Fall Semester			
	<i>Critical Thinking/Humanities</i> requirement (see note at bottom)	3	See General Education guide
5550:xxx	SSWE Elective	3	
5550:452	Foundations of Sport Science, Physical, and Health Education	3	
	<i>Complex Systems Affecting Individuals in Society</i> requirement	3	See General Education guide
5550:375	Sport Performance Principles	3	
5550:xxx	SSWE Elective	3	
Total		18	
3rd Year Spring Semester			
	<i>Arts or Humanities</i> requirement	3	See General Education guide
5550:409	Sport Behavior	3	
5550:410	Sport Sociology	3	
5550:462	Legal Aspects of Physical Activity	2	
5550:453	Principles of Coaching	3	
Total		14	
4th Year Fall Semester			
5550:480	Special Topics	3	
5550:420	Fundamentals of Management Strategies in Sport	3	
5550:480	Special Topics (Coaching Class)	3	
5550:xxx	SSWE Elective	3	
5550:xxx	SSWE Elective	3	
5550:424	Sport Leadership	3	
Total		18	
4th Year Spring Semester			
5550:460	Practicum	5	
5550:xxx	SSWE Elective	3	
5550:480	Special Topics (Coaching Class)	3	
5550:450	Organization/Administration of PE	3	
	<i>Global Diversity</i> requirement	3	See General Education guide
Total		17	
	Minimum Credits for Degree	126-127	

NOTE: *Critical Thinking* can double as a *Humanities* – see GE course listing (<http://www.uakron.edu/general-education>) or advisor

Contact: Dr. Judith Juvancic-Heltzel, Interim School Director, Sport Science & Wellness Education, InfoCision 311, (330) 972-6273, jaj52@uakron.edu. Dr. Alan Kornspan, Asst. Prof. Education; Coordinator, Sport Studies Program, (330) 972-8145, alan3@uakron.edu

SPORT STUDIES

Sport Management Concentration 555236BS

The following information has official approval of the **School of Sport Science and Wellness Education**, but is intended only as a supplemental guide.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education>

1 st Year	Fall Semester	Credit Hours	Prerequisites
3300:111	<i>*English Composition I Requirement (see Important below)</i>	3	Appropriate placement by advisor
	<i>*Natural Science Requirement w/lab</i>	4	
	<i>*Math requirement</i>	3-4	Appropriate placement by advisor
3750:100	<i>*Introduction to Psychology (Social Science Requirement)</i>	3	
5570:101	Personal Health	2	
Total		15-16	
1 st Year	Spring Semester		
3300:112	<i>*English Composition II Requirement (see Important below)</i>	3	3300:111 or equivalent
	<i>*Speech/Oral Communication Requirement</i>	3	
5550:100	Introduction to Sport Studies	3	
3850:100	<i>*Introduction to Sociology (Social Science & Domestic Diversity requirement)</i>	3	
	<i>*Natural Science Requirement</i>	3	
Total		15	

Important:

- * Preadmission courses must average 2.5 GPA with an overall GPA of 2.5 or higher for admission to the program.
- English I & II must be completed with a "C" or better for admission to the major

2 nd Year	Fall Semester		
5570:202	Stress Management	3	
5550:xxx	SSWE Elective	3	
5550:364	Sport Ethics	3	
5550:203	Measurement and Evaluation in PE	3	
5550:211	First Aid/CPR	2	
Total		14	
2 nd Year	Spring Semester		
5550:362	Sport History	3	
5550:245	Adapted Physical Education	3	
5550:235	Concepts of Motor Dev and Learning	3	
	<i>Art requirement</i>	3	See General Education guide
5550:xxx	SSWEE Elective	3	
Total		15	

ALERT: By the end of your first 48 credit hours attempted, you must have completed your General Education Writing, Quantitative Reasoning, and Speaking requirements.

3 rd Year		Fall Semester	
5550:xxx	SSWE Elective	3	
5550:452	Foundations of Sport Science, Physical, and Health Education	3	
	<i>Critical Thinking/Humanities</i> requirement (see note at bottom)	3	See General Education guide
5550:368	Sport Facility Management	3	
5550:xxx	SSWE Elective	3	
Total		15	

3 rd Year		Spring Semester	
	<i>Arts or Humanities</i> requirement	3	See General Education guide
5550:409	Sport Behavior	3	
5550:410	Sport Sociology	3	
5550:462	Legal Aspects of Physical Activity	2	
	<i>Complex Systems Affecting Individuals in Society</i> requirement	3	See General Education guide
5550:453	Principles of Coaching	3	
Total		17	

4 th Year		Fall Semester	
5550:480	Special Topics	3	
5550:420	Fundamentals of Management Strategies in Sport	3	
5550:422	Sport Planning Promotion	3	
5550:xxx	SSWE Elective	3	
5550:xxx	SSWE Elective	3	
5550:424	Sport Leadership	3	
Total		18	

4 th Year		Spring Semester	
5550:460	Practicum	5	
5550:366	Sport Communication	3	
	<i>Global Diversity</i> requirement	3	See General Education guide
5550:370	Financial Aspects of Sport	3	
5550:450	Organization/Administration of PE	3	
Total		17	
	Minimum Credits for Degree	126-127	

NOTE: *Critical Thinking* can double as a *Humanities* – see GE course listing (<http://www.uakron.edu/general-education>) or advisor

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MILD/MODERATE INTERVENTION SPECIALIST LICENSURE (GRADES K-12) UNDERGRADUATE DEGREE [561204BS]

General Education – 41 hrs. with a 2.5 GPA
(See Undergraduate Bulletin)

Professional Education Requirements for Mild/ Moderate Intervention Specialist Students – 61 hrs. Required with a “C” or better and a 2.5 GPA or better

	<u>Credits</u>
<u>Professional Education Core (15 Credits):</u>	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5610:225 Introduction to Exceptionalities	3
5610:100 Orient. To Intervention. Spec.	0
5500:308 Instructional Design & Assessment	6

<u>Professional Education Literacy (12 Credits):</u>	
5500:245 Understanding Literacy Development and Phonics ¹	3
5500:286 Teaching Multiple Text Thr. Genre	3
5500:440 Literacy in the Content Areas	3
5500:445 Assessment & Instruction in Literacy	3

<u>Special Education Courses (20 Credits):</u>	
5610:457 Special Education Programming Mild/Moderate II	4
5610:458 Inclusive Field Experience	1
5610:462 Collab. w/ Families & Prof.	3
5610:452 Special Education Programming: Secondary/Transition	3
5610:463 Assessment in Special Education	3
5610:467 Management Strategies in Special Education	3
5610:380 Math Methods Special Educ	3

<u>Learning to Teach (12 Credits):</u>	
5610:470 Clinical Practicum in Sp. Ed.	3
5610:486 Student Teaching (Mild/Moderate) ²	9

Minimum number of credit hours required for graduation and licensure

124

Highly Qualified Teacher (HQT) Students are required to select one area from the available three HQT options (Science/ Social Studies/Mathematics) Credits

Option 1 Highly Qualified Teacher in Science (22 Credits)

3650:261 Physics for Life Sciences I OR	4
3650:401 Everyday Physics	4
3370:451 Field/Lab Studies in Environmental Science	3
3370:137 Earth’s Atmosphere & Weather	1
3370:101 Introductory Physical Geology	4
3370:211 Introduction to Environmental Science	3
3370:100 Earth Science	3
3650:130 Descriptive Astronomy	4

Option 2 Highly Qualified Teacher in Social Studies (20 Credits)

3350:250 World Regional Geography	3
3400:250 U.S. History to 1877	4
3400:470 Ohio History	4
3700:100 Government & Politics in the U.S.	4
3700:210 State & Local Government & Politics	3
3250:200 Principles of Microeconomics OR	3
5500:251 Teach. Personal Finance PK-12 Classroom	3

Option 3 Highly Qualified Teacher in Mathematics (27 Credits)

3450:140 Fundamentals of Math for Prim. Educ.	3
3450:231 Modeling w/Algebraic & Transcen. Funct.	4
3450:209 Discrete Mathematics for Educators	4
3450:331 Modeling with Calculus	4
3450:341 Geometry & Measurement	3
3450:135 Mathematics for Everyday Life	3
3450:145 College Algebra	4
3470:261 Introductory Statistics I	2

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Zook Hall Room 002
330-972-7750***

¹Service Learning required – minimum of 10 hours outside of class.
²Approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE content test. Planned teaching experience in schools selected and supervised by the Office of Field experiences. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching field(s). Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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Admission to Intervention Specialist Education Program

General Education Requirements for Admission to Mild/Moderate Intervention Specialist Education (2.5 GPA in the following courses listed below):

3300:111 (3 cr.) English Composition I	3450:145 (4 cr.) College Algebra
3300:112 (3 cr.) English Composition II	3150:101 (4 cr.) Chemistry for Everyone
7600:105 (3 cr.) Intro to Public Speaking	or
or	3150:110 (4 cr.) General Organic & Biochemistry I
7600:106 (3 cr.) Effective Oral Communication	3100:265 (4 cr.) Introduction to Human Physiology
3850:100 (3 cr.) Intro to Sociology	3750:100 (3 cr.) Intro to Psychology

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. Evidence of competency in mathematics as shown by one of the following:**
 1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

MODERATE/INTENSIVE INTERVENTION SPECIALIST LICENSURE (GRADES K-12) UNDERGRADUATE DEGREE [561205BS]

General Education – 41 hrs. with a 2.5 GPA
(See Undergraduate Bulletin)

**Professional Education Requirements for Moderate/
Intensive Intervention Specialist Students – 59 hrs.**
required with a “C” or better and a 2.5 GPA or better

	<u>Credits</u>
<u>Phase One:</u> Learning about Learners	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5500:230 Educational Technology	3
5610:225 Introduction to Exceptionalities	3
5610:100 Orient. to Intervention. Spec.	0
5500:245 Understanding Literacy. Development and Phonics ¹	3
<u>Phase Two:</u> Learning about Teaching	
5100:300 Educational Equity & Excellence	3
5500:360 Educational Planning	3
5500:286 Teaching Multiple Text thru Genre	3
5500:440 Literacy in the Content Areas	3
<u>Phase Three:</u> Learning to Apply the Principles of Teaching	
5500:370 Educational Implementation	3
5500:445 Assessment and Instruction in Literacy	3
5610:450 Special Education Programming: Early Childhood	3
5610:452 Special Education Programming: Secondary/Transition	3
5610:453 Special Education Programming Moderate/Intensive I	4
5610:454 Special Education Programming Moderate/Intensive II	4
<u>Phase Four:</u> Learning to Teach	
5610:403 Student Teaching Colloquium	1
5610:470 Clinical Practicum in Sp. Ed.	3
5610:487 Student Teaching (Mod/Int) ²	11

<u>Content Requirements – 28 hours</u>	<u>Credits</u>
5610:380 Math Methods Special Educ	3
5610:448 Individuals with Moderate/ Intensive Educational Needs: Characteristics & Implications	4
5610:459 Collaboration & Consultation	3
5610:460 Family Dynamics & Communication in the Educational Process	3
5610:463 Assessment in Special Education	3
5610:467 Management Strategies in Special Education	3
7400:265 Child Development	3
7700:101 American Sign Language I	3
7700:430 Aspects of Normal Language Development	3

**Minimum number of credit hours required
for graduation and licensure** **128**

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330-972-7750***

¹Service Learning required – minimum of 10 hours outside of class.
²All students must have the approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE Content and Reading tests. Planned teaching experience in schools selected and supervised by the Office of Teacher Education and Licensure experiences. Co-requisite 5300:496. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching field(s). Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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Admission to Intervention Specialist Education Program

General Education Requirements for Admission to Moderate/Intensive Intervention Specialist Licensure (2.5 GPA in the following courses listed below:)

3300:111 (3 cr.) English Composition I	3450:145 (4 cr.) College Algebra
3300:112 (3 cr.) English Composition II	3150:101 (4 cr.) Chemistry for Everyone
7600:105 (3 cr.) Intro to Public Speaking	or
or	3150:110 (4 cr.) General Organic & Biochemistry I
7600:106 (3 cr.) Effective Oral Communication	3100:265 (4 cr.) Introduction to Human Physiology
3850:100 (3 cr.) Intro to Sociology	3750:100 (3 cr.) Intro to Psychology

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. Evidence of competency in mathematics as shown by one of the following:**
 1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

EARLY CHILDHOOD INTERVENTION SPECIALIST LICENSURE (AGE 3 THRU GRADE 3) UNDERGRADUATE DEGREE [561206BS]

General Education – 41 hrs. with a 2.5 GPA
(See Undergraduate Bulletin)

Professional Education Requirements for Early Childhood Intervention Specialist Students – 58 hrs. required with a “C” or better and a 2.5 GPA or better

	<u>Credits</u>
Phase One: Learning about Learners	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5500:230 Educational Technology	3
5610:225 Introduction to Exceptionalities	3
5610:100 Orient. to Intervention. Spec.	0
5500:245 Understanding Literacy. Development and Phonics ¹	3
Phase Two: Learning about Teaching	
5100:300 Educational Equity & Excellence	3
5500:360 Educational Planning	3
5500:286 Teaching Multiple Text thru Genre	3
5500:440 Literacy in the Content Areas	3
Phase Three: Learning to Apply the Principles of Teaching	
5500:370 Educational Implementation	3
5500:445 Assessment and Instruction in Literacy	3
5610:450 Special Education Programming: Early Childhood	3
5610:453 Special Education Programming Moderate/Intensive I	4
5610:461 Special Education Programming Early Child—Moderate/Intensive	3
Phase Four: Learning to Teach	
5610:403 Student Teaching Colloquium	1
5610:470 Clinical Practicum in Sp. Ed.	3
5610:485 Student Teaching (ECIS) ²	11

<u>Content Requirements – 31 hours</u>	<u>Credits</u>
5610:380 Math Methods Special Educ	3
5610:448 Individuals with Moderate/Intensive Educational Needs: Characteristics & Implications	4
5610:459 Collaboration & Consultation	3
5610:460 Family Dynamics & Communication in the Educational Process	3
5610:464 Assessment & Evaluation in Early Childhood	3
5610:467 Management Strategies in Special Education	3
3760:265 Child Development	3
3760:270 Theory & Guidance of Play	3
7700:101 American Sign Language I	3
7700:430 Aspects of Normal Language Development	3

Minimum number of credit hours required for graduation and licensure **130**

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330-972-7750

¹Service Learning required – minimum of 10 hours outside of class.
²All students must have the approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE Content and Reading tests. Planned teaching experience in schools selected and supervised by the Office of Teacher Education and Licensure experiences. Co-requisite 5300:496. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching field(s). Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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Admission to Early Childhood Intervention Specialist Program

General Education Requirements for Admission to Early Childhood Intervention Specialist Program (2.5 GPA in the following courses listed below):

3300:111 (3 cr.) English Composition I	3450:145 (4 cr.) College Algebra
3300:112 (3 cr.) English Composition II	3150:101 (4 cr.) Chemistry for Everyone
7600:105 (3 cr.) Intro to Public Speaking	or
or	3150:110 (4 cr.) General Organic & Biochemistry I
7600:106 (3 cr.) Effective Oral Communication	3100:265 (4 cr.) Introduction to Human Physiology
3850:100 (3 cr.) Intro to Sociology	
3750:100 (3 cr.) Intro to Psychology	

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
 1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**

INFORMATION SHEET

EARLY CHILDHOOD INCLUSIVE TEACHER PREPARATION PROGRAM (AGE 3 THRU GRADE 3) UNDERGRADUATE DEGREE [561207BS]

General Education - 42 hours

Professional Education Requirements – 48 hours

Phase 1 Courses – Learning About Learners Credits

5100:200 Introduction to Education	3
5100:220 Educational Psychology	3
5200:100 Orientation to Early Childhood Educ. (to be taken in conjunction with 5100:200)	0
5500:245 Understanding Lit. Develop. & Phonics ¹	3
5610:225 Introduction to Exceptionalities	3

Phase 2 Courses – Learning About Teaching Credits

5500:308 Instructional Planning / Assessment	6
5500:286 Teaching Multiple Texts through Genre	3
5500:440 Literacy in the Content Areas	3

Phase 3 Courses -- Learning to Apply the Principles of Teaching Credits

5500:445 Assessment and Instruction in Literacy	3
5200:453 Building Understanding Together (prereq.)	3
5200:454 Inquiry based learning in EC Inclusive	3

Phase 4 Courses – Learning to Teach Credits

5610:403 Student Teaching Colloquium	1
5610:470 Clinical Practicum in Special Educ	3
5200:499 Student Teaching ³	11

Content Requirements – 40 hours

	Credits
3760:265 Child Development	3
5200:319 Integrated Expressive Arts in Early Childhood ²	3
5200:215 Child, Family, and School	3
5610:450 Special Education Programs: Early Childhood	3
5610:439 Collab. w/ Families & Profess. in EC Settings	3
5200:325 Early Childhood Practicum	3
5200:352 Mathematics in Inclusive EC Settings	3
5200:340 Develop/ Writ. & Dig. Lit. Inclusive EC Settings	3
5610:453 Special Educ. Program: Moderate/Intensive	4
5610:448 Individuals with Mod/Intense Needs: Char. Impl.	4
5610:464 Assessment & Evaluation in EC Special	3
5610:467 Management Strategies in Special Education	2
5550:211 First Aid & CPR	2

**Minimum number of credit hours required
for graduation and licensure 130**

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330-972-7750***

¹Service Learning required – minimum of 10 hours outside of class.
²Pre-requisite: 7500:201 or 7100:210, either of which will meet general studies requirements.
³All students must have the approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE Content and Reading tests. Planned teaching experience in schools selected and supervised by the Office of Teacher Education and Licensure experiences. Co-requisite 5300:496. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching field(s). Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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Admission to Early Childhood Inclusive Teacher Preparation Program (Age 3 through Grade 3)

General Education Requirements for Admission to Early Childhood Education (2.5 GPA in the following courses and not less than a "C" in any one of the courses listed below)

3300:111 (3 cr.) English Composition I	3450:140 (3 cr.) Fundamentals of Mathematics for Primary Educators
3300:112 (3 cr.) English Composition II	3100:103 (4 cr.) Biology (or 3100:xxx, biology course at level higher than :103)
7600:105 (3 cr.) Intro to Public Speaking	3xxx:xxx (4 cr.) Science(s) from any set except Biology [See Bulletin]
or	Physical Education/Wellness -- minimum 1 credit. [See bulletin.]
7600:106 (3 cr.) Effective Oral Communication	3760:265 (3 cr.) Child Development
3350:100 (3 cr.) Intro to Geography	
3400:250 (4 cr.) U.S. History to 1877 (or 3400:251 or 3700:100)	

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
 1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. Evidence of competency in mathematics as shown by one of the following:**
 1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. Signed Criminal Background Check Acknowledgment Form**

WEB-VERSION ONLY/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term major declared.

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General Education 2.0 Requirements (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 2
Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 1
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 3
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 1
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 2
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
Social Science Course (recommended 3850:100 Intro to Sociology - Domestic Diversity Tag)		<input type="checkbox"/>	Year 1
TIER III: TAGGED COURSES			
Critical Thinking		<input type="checkbox"/>	Year 3
Complex Systems Affecting Individuals in Society		<input type="checkbox"/>	Year 3
Domestic Diversity (Sociology recommended)		<input type="checkbox"/>	Year 1
Global Diversity		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet proficiency	<input type="checkbox"/>	Year 1
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 4 Fall
C5 6400:301 Principles of Finance	3250:200/244, 6200:201 & 250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C6 6500:304 Business Statistics	6200:250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr, Co-req: 3250:200	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 2
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 2
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	32cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	CBA Major Admit, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Business Undecided Courses (27-38+ credits)	
Students should declare a major by 32 credit hours	
If you choose:	
Business Administration (w/ approved minor)	27 credits
Accounting	33 credits
Finance	33 credits
International Business (with approved minor)	38+ credits
Management	30-37 credits
Marketing	31 credits
Once you decide on a major, please meet with a College of Business Administration advisor located in CBA room 260.	

TBD Additional Credits to Reach Minimum 120-128 Credit Hours

Graduation Requirements – Review DPR for status:

- 120-128 Credit Hours depending upon major
- College of Business Administration residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

WEB-VERSION ONLY/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education 2.0 Requirements (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 2
Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 1
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 3
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 1
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 2
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
Social Science Course (<i>recommended 3850:100 Intro to Sociology - Domestic Diversity Tag</i>)		<input type="checkbox"/>	Year 1
TIER III: TAGGED COURSES			
Critical Thinking (6400:200 Foundations of Personal Finance <i>recommended</i>)		<input type="checkbox"/>	Year 3
Complex Systems Affecting Individuals in Society		<input type="checkbox"/>	Year 3
Domestic Diversity (<i>Sociology recommended</i>)		<input type="checkbox"/>	Year 1
Global Diversity		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

Approved List of Business Minors: Financial Planning, Finance for Business Majors, Human Resource Management, Information Systems, Supply Chain Management, Database Marketing, Consumer Marketing, Professional Selling

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet proficiency	<input type="checkbox"/>	Year 1
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 4 Fall
C5 6400:301 Principles of Finance	3250:200/244, 6200:201 & 250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C6 6500:304 Business Statistics	6200:250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr, Co-req: 3250:200	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 2
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 2
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	32cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	CBA Major Admit, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Business Administration (27+ credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
Business Systems Course: 6200:320, 6200:454 or 6500:310 This course can be fulfilled through other major requirements (not an additional course).			
Business Systems Course		<input type="checkbox"/>	-
Business Elective: Select one course from the following 6100:495 Internship; 6300:201 Intro to Entrepreneurship; 6600:275 Professional Selling (25 credit pre-req)			
Business Elective		<input type="checkbox"/>	Year 4
<i>6100:495 Internship: Students must be admitted to a CBA major and meet requirements.</i>			
Accounting Courses: Two 300-400 level Accounting courses. Recommendations below.			
Course 1: 6200:320 Accounting Systems & Internal Control (<i>recommended</i>)	CBA Major Admit, 6200:201, 250	<input type="checkbox"/>	Year 3
Course 2: 6200:454 Information Systems Security (<i>recommended</i>)	CBA Major Admit; 6200:320 or 6500:310	<input type="checkbox"/>	Year 3
Finance Courses: 6400:200 + one 300-400 level Finance course. Recommendations below.			
6400:200 Foundations in Personal Finance		<input type="checkbox"/>	Year 3
Recommendations: 6400:338 Financial Markets & Institutions OR 6400:343 Investments	Both: 6400:301; 6400:343 = 6500:304	<input type="checkbox"/>	Year 3
Management Courses: Two 300-400 level Management courses.			
Management Course 1	See course	<input type="checkbox"/>	Year 3
Management Course 2	See course	<input type="checkbox"/>	Year 4
Marketing Courses: Two 300-400 level Marketing courses.			
Marketing Course 1	See course	<input type="checkbox"/>	Year 3
Marketing Course 2	See course	<input type="checkbox"/>	Year 4
Approved Business Minor (see list):			
Total Remaining Credits			

Additional Credits to Reach Minimum 120 Credit Hours

Graduation Requirements – Review DPR for status:

- 120 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0

WEB-VERSION ONLY

Official course requirements based upon semester admitted into the CBA and/or term major declared.

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General Education Requirements (42 credits)			
	PRE-REQ	DONE	RECOMM YEAR
Speech Requirement: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
English Requirement: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
Physical Education Requirement: 1 Credit Hour			
½ credit hour		<input type="checkbox"/>	Year 3
½ credit hour		<input type="checkbox"/>	Year 3
Mathematics Requirement: 4 Credit Hours			
3450:145 College Algebra (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Natural Science Requirement: 8 Credit Hours w/ Lab			
Lab Requirement		<input type="checkbox"/>	Year 1
Subject 1		<input type="checkbox"/>	Year 1
Subject 2		<input type="checkbox"/>	Year 1
8 Hours Completed		<input type="checkbox"/>	Year 3
Social Science Requirement: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
3230:150 Human Cultures, 3750:100 Intro to Psychology, OR 3850:100 Intro to Sociology		<input type="checkbox"/>	Year 1
Area Studies & Cultural Diversity: 4 Credit Hours			
Course 1 (2 credit hours)	See course	<input type="checkbox"/>	Year 3
Course 2 (2 credit hours)	See course	<input type="checkbox"/>	Year 4
Humanities Requirement: 10 Credit Hours			
3400:210 Humanities/ West Trad (4 credit hrs)	32cr, 3300:112	<input type="checkbox"/>	Year 2
Course 1: From Set 1 – 4		<input type="checkbox"/>	Year 2
Course 2: From Set other than Course 1		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:101 Business Issues in a Connected World		<input type="checkbox"/>	Year 1
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

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CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	24cr or 6200:201	<input type="checkbox"/>	Year 2
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 3
C5 6400:301 Principles of Finance	3250:200/244, 3450:145, 6200:201 & 250	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	3450:145, 6200:250	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	48cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Business Administration (27 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
Business Systems Course: 6200:320, 6200:454 or 6500:310 This course can be fulfilled through other major requirements (not an additional course).			
Business Systems Course		<input type="checkbox"/>	-
Business Elective: Select one course from the following 6100:495 Internship; 6300:201 Intro to Entrepreneurship; 6600:275 Professional Selling (25 credit pre-req)			
Business Elective		<input type="checkbox"/>	Year 2
6100:495 Internship: Students must be admitted to CBA and meet requirements.			
Accounting Courses: Two 300-400 level Accounting courses. Recommendations below.			
Course 1: 6200:320 Accounting Systems & Internal Control (recommended)	Admitted to CBA, 6200:201, 250	<input type="checkbox"/>	Year 3
Course 2: 6200:454 Information Systems Security (recommended)	Admitted to CBA; 6200:320 or 6500:310	<input type="checkbox"/>	Year 3
Finance Courses: 6400:200 + one 300-400 level Finance course. Recommendations below.			
6400:200 Foundations in Personal Finance	3250:200, 3450:145	<input type="checkbox"/>	Year 2
Recommendations: 6400:338 Financial Markets & Institutions OR 6400:343 Investments			
	Both: 6400:301; 6400:343 = 6500:304	<input type="checkbox"/>	Year 4
Management Courses: Two 300-400 level Management courses.			
Management Course 1	See course	<input type="checkbox"/>	Year 4
Management Course 2	See course	<input type="checkbox"/>	Year 4
Marketing Courses: Two 300-400 level Marketing courses.			
Marketing Course 1	See course	<input type="checkbox"/>	Year 3
Marketing Course 2	See course	<input type="checkbox"/>	Year 4
Total Remaining Credits			

_____ Additional Credits to Reach Minimum 128 Credit Hours

Graduation Requirements – Review DARS for status:

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

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General Education Requirements 2.0 (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 2
Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 1
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 3
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 1
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 2
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
Social Science Course (recommended 3850:100 Intro to Sociology - Domestic Diversity Tag)		<input type="checkbox"/>	Year 1
TIER III: TAGGED COURSES			
Critical Thinking		<input type="checkbox"/>	Year 1
Complex Systems Affecting Individuals in Society		<input type="checkbox"/>	Year 4
Domestic Diversity (Sociology recommended)		<input type="checkbox"/>	Year 1
Global Diversity		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

CBA Core (39 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I <i>Acct majors need a ≥ C in this course</i>	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II <i>Acct majors need a ≥ C in this course</i>	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis <i>Acct majors need a ≥ C in this course</i>	Spreadsheet proficiency	<input type="checkbox"/>	Year 1
C4 6400:321 Business Law I I (fall, summer I)	64cr	<input type="checkbox"/>	Year 4 Fall
C4 6400:322 Business Law II (spring, sum II)	64cr, 6400:321	<input type="checkbox"/>	Year 4 Spr
C5 6400:301 Principles of Finance	3250:200/244, 6200:201 & 250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	6200:250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr, co-req 3250:200	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 2
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	32cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	CBA Major Admit, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4 Spring
Total Remaining Credits			

Accounting (33 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
3300:275 Specialized Writing: Business	3300:111,112	<input type="checkbox"/>	Year 2
Must be admitted to the Accounting Major to take the courses below:			
6200:301 Cost Management & Control	3250:200; ≥ C in 6200:201, 202, 250	<input type="checkbox"/>	Year 3
6200:320 Accounting Systems & Internal Control	≥ C in 6200:201, 250	<input type="checkbox"/>	Year 2 Spring
6200:321 Financial Reporting & Analysis I <i>Acct majors need a ≥ C in this course</i>	≥ C in 6200:201	<input type="checkbox"/>	Year 3 Fall
6200:322 Financial Reporting & Analysis II	≥ C in 6200:321	<input type="checkbox"/>	Year 3
6200:330 Contemporary Federal Taxation	≥ C in 6200:201; Co-req: 6200:321	<input type="checkbox"/>	Year 3 Fall
6200:431 Business Entity Taxation	6200:330	<input type="checkbox"/>	Year 3
6200:440 Assurance Services & Professional Responsibilities	6200:320, 322, 330	<input type="checkbox"/>	Year 4
6200:454 Information Systems Security	6200:320 or 6500:310	<input type="checkbox"/>	Year 4
Electives: 2 courses from 6200:408, 420, 441, 450, 460, 470, 490, 6200:405 (Experiential Learning in Accounting)			
Elective 1	See course	<input type="checkbox"/>	Year 4
Elective 2	See course	<input type="checkbox"/>	Year 4
Total Remaining Credits			

**Additional Credits to Reach Minimum 128 Credit Hours
Graduation Requirements – Review DPR for status:**

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

Eligibility for 6200:405 Experiential Learning in Accounting:

- Admitted to CBA and minimum 2.5 cumulative GPA
- Completed or enrolled in 6200:320 and 6200:321
- Grade of B or better in 6200:201 and 6200:202
- Requires 6200:305 Co-op Education as a co-req (0 credits)

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General Education Requirements (42 credits)			
	PRE-REQ	DONE	RECOMM YEAR
Speech Requirement: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
English Requirement: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
Physical Education Requirement: 1 Credit Hour			
½ credit hour		<input type="checkbox"/>	Year 1
½ credit hour		<input type="checkbox"/>	Year 1
Mathematics Requirement: 4 Credit Hours			
3450:145 College Algebra (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Natural Science Requirement: 8 Credit Hours w/ Lab			
Lab Requirement		<input type="checkbox"/>	Year 1
Subject 1		<input type="checkbox"/>	Year 1
Subject 2		<input type="checkbox"/>	Year 1
8 Hours Completed		<input type="checkbox"/>	Year 2
Social Science Requirement: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
3230:150 Human Cultures, 3750:100 Intro to Psychology, OR 3850:100 Intro to Sociology		<input type="checkbox"/>	Year 1
Area Studies & Cultural Diversity: 4 Credit Hours			
Course 1 (2 credit hours)	See course	<input type="checkbox"/>	Year 3
Course 2 (2 credit hours)	See course	<input type="checkbox"/>	Year 4
Humanities Requirement: 10 Credit Hours			
3400:210 Humanities/ West Trad (4 credit hrs)	32cr, 3300:112	<input type="checkbox"/>	Year 2
Course 1: From Set 1 – 4		<input type="checkbox"/>	Year 3
Course 2: From Set other than Course 1		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DARS to review academic progress and determine course sequencing each semester.

CBA Core (39 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I <i>Acct majors need a ≥ C in this course</i>	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II <i>Acct majors need a ≥ C in this course</i>	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis <i>Acct majors need a ≥ C in this course</i>	24cr or 6200:201	<input type="checkbox"/>	Year 2
C4 6400:321 Business Law I	64cr	<input type="checkbox"/>	Year 4
C4 6400:322 Business Law II	64cr	<input type="checkbox"/>	Year 4
C5 6400:301 Principles of Finance	3250:200/244, 3450:145, 6200:201 & 250	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	3450:145, 6200:250	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	48cr	<input type="checkbox"/>	Year 4
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Accounting (33 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
3300:275 Specialized Writing: Business	3300:111,112	<input type="checkbox"/>	Year 2
Accounting majors must be admitted to the College of Business to take the courses below:			
6200:301 Cost Management & Control	3250:200; ≥ C in 6200:201, 202, 250	<input type="checkbox"/>	Year 3
6200:320 Accounting Systems & Internal Control	≥ C in 6200:201, 250	<input type="checkbox"/>	Year 2
6200:321 Financial Reporting & Analysis I <i>Acct majors need a ≥ C in this course</i>	≥ C in 6200:201	<input type="checkbox"/>	Year 3
6200:322 Financial Reporting & Analysis II	≥ C in 6200:321	<input type="checkbox"/>	Year 3
6200:330 Contemporary Federal Taxation	≥ C in 6200:201; Co-req: 6200:321	<input type="checkbox"/>	Year 3
6200:431 Business Entity Taxation	6200:330	<input type="checkbox"/>	Year 4
6200:440 Assurance Services & Professional Responsibilities	6200:320, 322, 330	<input type="checkbox"/>	Year 4
6200:454 Information Systems Security	6200:320 or 6500:310	<input type="checkbox"/>	Year 4
Electives: 2 courses from 6200:408, 420, 441, 450, 460, 470, 490, 6200:405 (Internship)			
Elective 1	See course	<input type="checkbox"/>	Year 4
Elective 2	See course	<input type="checkbox"/>	Year 4
Total Remaining Credits			

_____ **Additional Credits to Reach Minimum 128 Credit Hours**

Graduation Requirements – Review DARS for status:

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

WEB-VERSION ONLY

Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education Requirements (42 credits)			
	PRE-REQ	DONE	RECOMM YEAR
Speech Requirement: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
English Requirement: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
Physical Education Requirement: 1 Credit Hour			
½ credit hour		<input type="checkbox"/>	Year 1
½ credit hour		<input type="checkbox"/>	Year 1
Mathematics Requirement: 4 Credit Hours			
3450:145 College Algebra (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Natural Science Requirement: 8 Credit Hours w/ Lab			
Lab Requirement		<input type="checkbox"/>	Year 1
Subject 1		<input type="checkbox"/>	Year 1
Subject 2		<input type="checkbox"/>	Year 1
8 Hours Completed		<input type="checkbox"/>	Year 2
Social Science Requirement: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
3230:150 Human Cultures, 3750:100 Intro to Psychology, OR 3850:100 Intro to Sociology		<input type="checkbox"/>	Year 1
Area Studies & Cultural Diversity: 4 Credit Hours			
Course 1 (2 credit hours)	See course	<input type="checkbox"/>	Year 3
Course 2 (2 credit hours)	See course	<input type="checkbox"/>	Year 4
Humanities Requirement: 10 Credit Hours			
3400:210 Humanities/ West Trad (4 credit hrs)	32cr, 3300:112	<input type="checkbox"/>	Year 2
Course 1: From Set 1 – 4		<input type="checkbox"/>	Year 3
Course 2: From Set other than Course 1		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DARS to review academic progress and determine course sequencing each semester.

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	24cr or 6200:201	<input type="checkbox"/>	Year 2
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 2
C5 6400:301 Principles of Finance	3250:200/244, 3450:145, 6200:201 & 250	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	3450:145, 6200:250	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 2
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	48cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Financial Services (33 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting college			
Finance Core: Finance majors must earn a C average in the first 4 courses			
6400:302 Intermediate Corporate Finance	6400:301	<input type="checkbox"/>	Year 3
6400:338 Financial Markets & Institutions	6400:301	<input type="checkbox"/>	Year 3
6400:343 Investments	6400:301, 6500:304	<input type="checkbox"/>	Year 3
6400:473 Financial Statement Analysis ☼	6400:301	<input type="checkbox"/>	Year 3
6400:489 Advanced Financial Analytics ☼	6400:301, 302, 338, 343, 6500:304	<input type="checkbox"/>	Year 4
Finance Electives: 6 courses (18 credits) from 6400:494 (Internship); 3250:400, 410, 427; 6100:497; 6400:200, 323, 390, 414, 415, 416, 417, 436, 438, 448, 481, 490. Students must meet all pre-requisites.			
Elective 1	See course	<input type="checkbox"/>	Year 4
Elective 2	See course	<input type="checkbox"/>	Year 4
Elective 3	See course	<input type="checkbox"/>	Year 4
Elective 4	See course	<input type="checkbox"/>	Year 4
Elective 5	See course	<input type="checkbox"/>	Year 4
Elective 6	See course	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Credits to Reach Minimum 128 Credit Hours

Graduation Requirements – Review DARS for status:

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0



WEB-VERSION ONLY/ TENTATIVE DEGREE REQUIREMENTS
Official course requirements based upon semester admitted into the CBA and/or term major declared.

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General Education 2.0 Requirements (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 2
Humanities Course (3-4 credits) (recommended 3400:200 Empires of the Ancient World - Global Diversity Tag)		<input type="checkbox"/>	Year 1
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 3
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 1
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 2
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
Social Science Course (recommended 3850:100 Intro to Sociology - Domestic Diversity Tag)		<input type="checkbox"/>	Year 1
TIER III: TAGGED COURSES			
Critical Thinking (6400:200 Foundations of Personal Finance recommended)		<input type="checkbox"/>	Year 2
Complex Systems Affecting Individuals in Society		<input type="checkbox"/>	Year 3
Domestic Diversity (3850:100 recommended)		<input type="checkbox"/>	Year 1
Global Diversity (3400:200 recommended)		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications or 3450:221 Analytic Geometry-Calculus I*	210: C- in 3450:145 221: C- in 3450:149	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

* -- strongly recommended for Finance majors

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet proficiency	<input type="checkbox"/>	Year 1
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 4 Fall
C5 6400:301 Principles of Finance	3250:200/244, 6200:201 & 250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C6 6500:304 Business Statistics	6200:250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr, co-req 3250:200	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 3250:325 Applied Econometrics I*	6500:304, OR 3470:261+262	<input type="checkbox"/>	Year 2
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	32cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	CBA Major Admit, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Risk Mgmt & Insurance (33-39 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting MAJOR			
Finance Core: Finance Majors must earn a C or better in each of these classes			
6400:302 Intermediate Corporate Finance	6400:301	<input type="checkbox"/>	Year 3
6400:338 Financial Markets & Institutions	6400:301	<input type="checkbox"/>	Year 3
6400:343 Investments	6400:301, 6500:304 or 3250:426	<input type="checkbox"/>	Year 3
Required Courses:			
6400:414 Risk Management: Property and Casualty ☼	6400:301	<input type="checkbox"/>	Year 3
6400:415 Risk Management: Life and Health Insurance ☼	6400:301	<input type="checkbox"/>	Year 3
6400:418 Insurance Operations (Fall only) ☼	6400:414 or 6400:415	<input type="checkbox"/>	Year 4
6400:461 Enterprise Risk: Management (Spring only) ☼	6400:414, 415, 418	<input type="checkbox"/>	Year 4
6400:489 Advanced Financial Analytics ☼	6400:302, 338, 343; 6500:305 or 3250:426; Sr.	<input type="checkbox"/>	Year 4
Finance Electives: 9 credit hours from 6400:494 (Internship); 3250:326, 400, 410; 3470:471, 472; 6100:497; 6400:200, 323, 417, 436, 437, 438, 448, 490, 494, 495, 499; 6500:341; 6600:275 Students must meet all pre-requisites.			
Elective 1	See course	<input type="checkbox"/>	Year 2
Elective 2	See course	<input type="checkbox"/>	Year 4
Elective 3	See course	<input type="checkbox"/>	Year 4
Experiential Learning: 6 credits from 6100:110, 6100:200, 6100:220, 6100:301, 6100:497, 6400:448, 6400:461, 6400:489, 6400:494, 6400:495, 6500:254 or 6800:406			
Complete		<input type="checkbox"/>	Years 1-4
Total Remaining Credits			

Additional Credits to Reach Minimum 120 Credit Hours

Graduation Requirements – Review DPR for status:

- 120 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0



WEB-VERSION ONLY/ TENTATIVE DEGREE REQUIREMENTS
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General Education 2.0 Requirements (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 2
Humanities Course (3-4 credits) (recommended 3400:200 Empires of the Ancient World - Global Diversity Tag)		<input type="checkbox"/>	Year 1
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 3
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 1
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 2
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
Social Science Course (recommended 3850:100 Intro to Sociology - Domestic Diversity Tag)		<input type="checkbox"/>	Year 1
TIER III: TAGGED COURSES			
Critical Thinking (6400:200 Foundations of Personal Finance recommended)		<input type="checkbox"/>	Year 2
Complex Systems Affecting Individuals in Society		<input type="checkbox"/>	Year 4
Domestic Diversity (3850:100 recommended)		<input type="checkbox"/>	Year 1
Global Diversity (3400:200 recommended)		<input type="checkbox"/>	Year 3
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications or 3450:221 Analytic Geometry-Calculus I*	210: C- in 3450:145 221: C- in 3450:149	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

* -- strongly recommended for Finance majors

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

Graduation Requirements – Review DPR for status:

- 120 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet proficiency	<input type="checkbox"/>	Year 1
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 4 Fall
C5 6400:301 Principles of Finance	3250:200/244, 6200:201 & 250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C6 6500:304 Business Statistics	6200:250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr, co-req 3250:200	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10* 3250:325 Applied Econometrics I	6500:304, OR 3470:261+262	<input type="checkbox"/>	Year 2
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	32cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	CBA Major Admit, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Financial Management (33 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting MAJOR			
Finance Core: Finance Majors must earn a C or better in each of these classes			
6400:302 Intermediate Corporate Finance	6400:301	<input type="checkbox"/>	Year 3
6400:338 Financial Markets & Institutions	6400:301	<input type="checkbox"/>	Year 3
6400:343 Investments	6400:301, 6500:304 or 3250:426	<input type="checkbox"/>	Year 3
Required Courses:			
6200:321 Financial Reporting & Analysis I ☼	6200:201	<input type="checkbox"/>	Year 3
6200:322 Financial Reporting & Analysis II ☼	≥ C in 6200:321	<input type="checkbox"/>	Year 3
6400:448 Advanced Portfolio Management	6400:343; and 3250:325 or 6500:305	<input type="checkbox"/>	Year 4
6400:473 Financial Statement Analysis ☼	6200:201, 6400:301	<input type="checkbox"/>	Year 4
6400:485 Financial Strategy ☼	6400:302, 338, 343, 473 co-req,	<input type="checkbox"/>	Year 4
6400:489 Advanced Financial Analytics ☼	6400:302, 338, 343; 6500:305 or 3250:426, Sr.	<input type="checkbox"/>	Year 4
Finance Electives: 2 courses from 3250:326, 400, 410, 427; 6400:492 (Internship), 6100:497, 6400:200, 323, 414, 415, 417, 436, 437, 438, 490, 495, 499			
Elective 1	See course	<input type="checkbox"/>	Year 4
Elective 2	See course	<input type="checkbox"/>	Year 4
Experiential Learning: 6 credits from 6100:110, 6100:200, 6100:220, 6100:300, 6100:497, 6400:448, 6400:485, 6400:489, 6400:492, 6400:495, 6500:254 or 6800:406			
Complete		<input type="checkbox"/>	Years 1- 4
Total Remaining Credits			

_____ Additional Credits to Reach Minimum 120 Credit Hours

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Official course requirements based upon semester admitted into the CBA and/or term major declared.

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General Education Requirements (42 credits)			
	PRE-REQ	DONE	RECOMM YEAR
Speech Requirement: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
English Requirement: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
Physical Education Requirement: 1 Credit Hour			
½ credit hour		<input type="checkbox"/>	Year 1
½ credit hour		<input type="checkbox"/>	Year 1
Mathematics Requirement: 4 Credit Hours			
3450:145 College Algebra (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Natural Science Requirement: 8 Credit Hours w/ Lab			
Lab Requirement		<input type="checkbox"/>	Year 1
Subject 1		<input type="checkbox"/>	Year 1
Subject 2		<input type="checkbox"/>	Year 1
8 Hours Completed		<input type="checkbox"/>	Year 2
Social Science Requirement: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
3230:150 Human Cultures, 3750:100 Intro to Psychology, OR 3850:100 Intro to Sociology		<input type="checkbox"/>	Year 1
Area Studies & Cultural Diversity: 4 Credit Hours			
Course 1 (2 credit hours)	See course	<input type="checkbox"/>	Year 3
Course 2 (2 credit hours)	See course	<input type="checkbox"/>	Year 4
Humanities Requirement: 10 Credit Hours			
3400:210 Humanities/ West Trad (4 credit hrs)	32cr, 3300:112	<input type="checkbox"/>	Year 2
Course 1: From Set 1 – 4		<input type="checkbox"/>	Year 3
Course 2: From Set other than Course 1		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DARS to review academic progress and determine course sequencing each semester.

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	24cr or 6200:201	<input type="checkbox"/>	Year 2
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 2
C5 6400:301 Principles of Finance	3250:200/244, 3450:145, 6200:201 & 250	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	3450:145, 6200:250	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 2
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	48cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Corporate Financial Mgmt. (33 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting college			
Finance Core: Finance Majors must earn a C average in these courses			
6400:302 Intermediate Corporate Finance	6400:301	<input type="checkbox"/>	Year 3
6400:338 Financial Markets & Institutions	6400:301	<input type="checkbox"/>	Year 3
6400:343 Investments	6400:301, 6500:304	<input type="checkbox"/>	Year 3
6400:473 Financial Statement Analysis ☼	6400:301	<input type="checkbox"/>	Year 4
Required Courses:			
6400:485 Financial Strategy ☼	6400:302, 338, 343, 473, Sr.	<input type="checkbox"/>	Year 4
6400:489 Advanced Financial Analytics	6400:301, 302, 338, 343, 6500:304	<input type="checkbox"/>	Year 4
Accounting Electives: 2 courses from 6200:321, 322, 330, 431			
Elective 1	See course	<input type="checkbox"/>	Year 3
Elective 2	See course	<input type="checkbox"/>	Year 4
Finance Electives: 3 courses from 3250:410, 6400:492 (Internship), 6100:497, 6400:200, 323, 416, 436, 438, 448, 481, 490			
Elective 1	See course	<input type="checkbox"/>	Year 4
Elective 2	See course	<input type="checkbox"/>	Year 4
Elective 3	See course	<input type="checkbox"/>	Year 4
Total Remaining Credits			

_____ Additional Credits to Reach Minimum 128 Credit Hours

Graduation Requirements – Review DARS for status:

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

WEB-VERSION ONLY/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education 2.0 Requirements (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 2
Humanities Course (3-4 credits) (recommended 3400:200 Empires of the Ancient World - Global Diversity Tag)		<input type="checkbox"/>	Year 1
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 3
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 1
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 2
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
Social Science Course (recommended 3850:100 Intro to Sociology - Domestic Diversity Tag)		<input type="checkbox"/>	Year 1
TIER III: TAGGED COURSES			
Critical Thinking (6400:200 Foundations of Personal Finance recommended)		<input type="checkbox"/>	Year 2
Complex Systems Affecting Individuals in Society		<input type="checkbox"/>	Year 3
Domestic Diversity (3850:100 recommended)		<input type="checkbox"/>	Year 1
Global Diversity (3400:200 recommended)		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications or 3450:221 Analytic Geometry-Calculus I*	210: C- in 3450:145 221: C- in 3450:149	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

Graduation Requirements – Review DPR for status:

- 120 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet proficiency	<input type="checkbox"/>	Year 1
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 4 Fall
C5 6400:301 Principles of Finance	3250:200/244, 6200:201 & 250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C6 6500:304 Business Statistics	6200:250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr, co-req 3250:200	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 3250:325 Applied Econometrics I*	6500:304, OR 3470:261+262	<input type="checkbox"/>	Year 2
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	32cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	CBA Major Admit, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Financial Planning (33 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
* = Must be admitted to 4 year degree granting MAJOR			
Finance Core: Finance Majors must earn a C or better in each of these classes			
6400:302 Intermediate Corporate Finance	6400:301	<input type="checkbox"/>	Year 3
6400:338 Financial Markets & Institutions	6400:301	<input type="checkbox"/>	Year 3
6400:343 Investments	6400:301, 6500:304 or 3250:426	<input type="checkbox"/>	Year 3
Required Courses:			
6200:410 Taxation for Financial Planning (Fall Only) *		<input type="checkbox"/>	Year 3
6200:330 Contemporary Federal Taxation**	≥ C in 6200:201; Co-req: 6200:321	<input type="checkbox"/>	Year 3
6400:200 Foundations in Personal Finance		<input type="checkbox"/>	Year 2
6400:415 Risk Management: Life and Health *	6400:301	<input type="checkbox"/>	Year 4
6400:417 Retirement Planning *	6400:301	<input type="checkbox"/>	Year 4
6400:432 Seminar in Financial Planning *	6200:330, 410; 6400:301, 343, 417; Co-req 6400:415; Sr. standing	<input type="checkbox"/>	Year 4
6400:473 Financial Statement Analysis *	6200:201, 6400:301	<input type="checkbox"/>	Year 4
Electives: 3 credits from 6400:493 (Internship), 6100:497, 6400:414, 436, 448, 489, 490, 499; 6500:341; 6600:275			
Elective 1	See course	<input type="checkbox"/>	Year 4
Experiential Learning: 6 credits from 6100:110, 6100:200, 6100:220, 6100:300, 6100:497, 6400:432, 6400:448, 6400:489, 6400:493, 6400:495, 6500:254 or 6800:406			
Complete		<input type="checkbox"/>	Years 1- 4
Total Remaining Credits			

Additional Credits to Reach Minimum 120 Credit Hours

* -- strongly recommended for Finance majors

**6200:321 co-req for 6200:330 can be waived for Financial Planning majors

WEB-VERSION ONLY

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General Education Requirements (42 credits)			
	PRE-REQ	DONE	RECOMM YEAR
Speech Requirement: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
English Requirement: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
Physical Education Requirement: 1 Credit Hour			
½ credit hour		<input type="checkbox"/>	Year 1
½ credit hour		<input type="checkbox"/>	Year 1
Mathematics Requirement: 4 Credit Hours			
3450:145 College Algebra (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Natural Science Requirement: 8 Credit Hours w/ Lab			
Lab Requirement		<input type="checkbox"/>	Year 1
Subject 1		<input type="checkbox"/>	Year 1
Subject 2		<input type="checkbox"/>	Year 1
8 Hours Completed		<input type="checkbox"/>	Year 2
Social Science Requirement: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
3230:150 Human Cultures, 3750:100 Intro to Psychology, OR 3850:100 Intro to Sociology		<input type="checkbox"/>	Year 1
Area Studies & Cultural Diversity: 4 Credit Hours			
Course 1 (2 credit hours)	See course	<input type="checkbox"/>	Year 3
Course 2 (2 credit hours)	See course	<input type="checkbox"/>	Year 4
Humanities Requirement: 10 Credit Hours			
3400:210 Humanities/ West Trad (4 credit hrs)	32cr, 3300:112	<input type="checkbox"/>	Year 2
Course 1: From Set 1 – 4		<input type="checkbox"/>	Year 3
Course 2: From Set other than Course 1		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DARS to review academic progress and determine course sequencing each semester.

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	24cr or 6200:201	<input type="checkbox"/>	Year 2
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 2
C5 6400:301 Principles of Finance	3250:200/244, 3450:145, 6200:201 & 250	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	3450:145, 6200:250	<input type="checkbox"/>	Year 3
C7 6600:205 Marketing Principles	24cr	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	48cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Financial Planning (33 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting college			
Finance Core: Finance majors must earn a C average in these course			
6400:302 Intermediate Corporate Finance	6400:301	<input type="checkbox"/>	Year 3
6400:338 Financial Markets & Institutions	6400:301	<input type="checkbox"/>	Year 3
6400:343 Investments	6400:301, 6500:304	<input type="checkbox"/>	Year 3
6400:473 Financial Statement Analysis ☼	6400:301	<input type="checkbox"/>	Year 4
Required Courses:			
6200:410 Taxation for Financial Planning (Fall Only)		<input type="checkbox"/>	Year 4
☼ 6200:330 Contemporary Federal Taxation	≥ C in 6200:201; Co-req: 6200:321	<input type="checkbox"/>	Year 4
6400:200 Foundations in Personal Finance	3250:200/244, 3450:145	<input type="checkbox"/>	Year 2
6400:415 Risk Management: Life and Health (Spring Only) ☼	6400:301	<input type="checkbox"/>	Year 4
6400:417 Retirement Planning (Fall Only) ☼	6400:301	<input type="checkbox"/>	Year 4
6400:432 Seminar in Financial Planning (Spring Only) ☼	Pre-reqs = 6400:200, 343, 301, 6200:410, 330; co-req= 6400:415	<input type="checkbox"/>	Year 4
Electives: 3 credits from 6400:493 (Internship), 6100:497, 6400:414, 448, 489; 6600:275			
Elective 1	See course	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Credits to Reach Minimum 128 Credit Hours

Graduation Requirements – Review DARS for status:

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

WEB-VERSION ONLY

Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education Requirements (42 credits)			
	PRE-REQ	DONE	RECOMM YEAR
Speech Requirement: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
English Requirement: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
Physical Education Requirement: 1 Credit Hour			
½ credit hour		<input type="checkbox"/>	Year 1
½ credit hour		<input type="checkbox"/>	Year 1
Mathematics Requirement: 4 Credit Hours			
3450:145 College Algebra (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Natural Science Requirement: 8 Credit Hours w/ Lab			
Lab Requirement		<input type="checkbox"/>	Year 1
Subject 1		<input type="checkbox"/>	Year 1
Subject 2		<input type="checkbox"/>	Year 1
8 Hours Completed		<input type="checkbox"/>	Year 2
Social Science Requirement: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
3230:150 Human Cultures, 3750:100 Intro to Psychology, OR 3850:100 Intro to Sociology		<input type="checkbox"/>	Year 1
Area Studies & Cultural Diversity: 4 Credit Hours			
Course 1 (2 credit hours)	See course	<input type="checkbox"/>	Year 3
Course 2 (2 credit hours)	See course	<input type="checkbox"/>	Year 4
Humanities Requirement: 10 Credit Hours			
3400:210 Humanities/ West Trad (4 credit hrs)	32cr, 3300:112	<input type="checkbox"/>	Year 3
Course 1: From Set 1 – 4		<input type="checkbox"/>	Year 3
Course 2: From Set other than Course 1		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DARS to review academic progress and determine course sequencing each semester.

Graduation Requirements – Review DARS for status:

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

Undergraduate Advising and Professional Development
<http://www.uakron.edu/cba/uadvising> * (330) 972-7042 * CBA 260

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	24cr or 6200:201	<input type="checkbox"/>	Year 2
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 2
C5 6400:301 Principles of Finance	3250:200/244, 3450:145, 6200:201 & 250	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	3450:145, 6200:250	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 4
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	48cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Information Systems (34-37 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
⊗ = Must be admitted to 4 year degree granting college			
Management Core:			
6500:302 Organizational Behavior and Leadership Skills	6500:301	<input type="checkbox"/>	Year 4
6500:310 Business Information Systems	48cr, 6200:250	<input type="checkbox"/>	Year 2
6500:471 Management Project* (Fall and Spring Only)	Admitted to CBA, 6500:302, 310, 325, 425, 427, 1 elective	<input type="checkbox"/>	Year 4
Concentration Requirements:			
3460:209 Computer Science I 4 credits	C- in 3450:145	<input type="checkbox"/>	Year 2
6500:315 Application Development for Business Processes (Fall Only) OR 3460:210 Computer Science II 4 credits	6500:315 = 48cr, 6200:250 3460:210 = 3460:209, 3450:208	<input type="checkbox"/>	Year 3 Fall
6500:324 Data Management for Information Systems (Fall Only)	48cr, 6200:250	<input type="checkbox"/>	Year 3 Fall
6500:325 Systems, Analysis & Design (Spring Only)	6500:324	<input type="checkbox"/>	Year 3 Spring
6500:427 Systems Integration (Spring Only) ⊗	6500:315 or 3460:210	<input type="checkbox"/>	Year 3 Spring
6500:425 Decision Support with Data Warehousing and Mining (Fall Only) ⊗	6500:324, 305	<input type="checkbox"/>	Year 4 Fall
Information Systems Electives: 2 courses from 6500:488 (Internship); 6500:333 (fall), 341, 420 (spring); 6200:454; 3460:316; 3460 following 316			
Elective 1	See course	<input type="checkbox"/>	Year 4 Fall
Elective 2	See course	<input type="checkbox"/>	Year 4
Total Remaining Credits			

*Management Project sign-up is via a waitlist. You will receive an e-mail regarding enrollment status. Sign up online at www.uakron.edu/cba/uadvising

_____ Additional Credits to Reach Minimum 128 Credit Hours

WEB-VERSION ONLY/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term major declared.

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General Education 2.0 Requirements (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 3
Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 1
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 2
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 1
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 2
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
Social Science Course (recommended 3850:100 Intro to Sociology - Domestic Diversity Tag)		<input type="checkbox"/>	Year 1
TIER III: TAGGED COURSES			
Critical Thinking		<input type="checkbox"/>	Year 1
Complex Systems Affecting Individuals in Society		<input type="checkbox"/>	Year 3
Domestic Diversity (Sociology recommended)		<input type="checkbox"/>	Year 1
Global Diversity		<input type="checkbox"/>	Year 2
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

Graduation Requirements – Review DPR for status:

- 120 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet proficiency	<input type="checkbox"/>	Year 1
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 4 Fall
C5 6400:301 Principles of Finance	3250:200/244, 6200:201 & 250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	6200:250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr, co-req 3250:200	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 2
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 2
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	32cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	CBA Major Admit, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4 Spring
Total Remaining Credits			

Information Systems (30-31 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting MAJOR			
Management Core:			
6500:302 Organizational Behavior and Leadership Skills	6500:301	<input type="checkbox"/>	Year 3
6500:310 Business Information Systems	48cr, 6200:250	<input type="checkbox"/>	Year 2
Concentration Requirements:			
6500:315 Application Development for Business Processes (Fall Only) OR 3460:210 Computer Science II 4 credits	6500:315 = 48cr, 6200:250 3460:210 = 3460:209, 3450:208	<input type="checkbox"/>	Year 3 Fall
6500:324 Data Management for Information Systems (Fall Only)	48cr, 6200:250	<input type="checkbox"/>	Year 3 Fall
6500:325 Systems, Analysis & Design (Spring Only)	6500:315 or 3460:210	<input type="checkbox"/>	Year 3 Spring
6500:420 Data Networks & Security (Spring Only) ☼	64cr, 6500:310	<input type="checkbox"/>	Year 3 Spring
6500:425 Decision Support with Data Warehousing and Mining (Fall Only) ☼	6500:324, 305	<input type="checkbox"/>	Year 4 Fall
6500:427 Systems Integration (Spring Only) ☼	6500:315 or 3460:210	<input type="checkbox"/>	Year 4 Spring
6500:428 Systems Development Project ☼	6500:324, 325; co-req 6500:427	<input type="checkbox"/>	Year 4 Spring
Information Systems Electives: 1 course from 6500:488 (Internship); 6500:333 (fall), 341; 6200:454; 3460:316; 3460 following 316			
Elective 1	See course	<input type="checkbox"/>	Year 4 Fall
Total Remaining Credits			

_____ Additional Credits to Reach Minimum 120 Credit Hours

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Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education Requirements (42 credits)			
	PRE-REQ	DONE	RECOMM YEAR
Speech Requirement: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
English Requirement: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
Physical Education Requirement: 1 Credit Hour			
½ credit hour		<input type="checkbox"/>	Year 1
½ credit hour		<input type="checkbox"/>	Year 1
Mathematics Requirement: 4 Credit Hours			
3450:145 College Algebra (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Natural Science Requirement: 8 Credit Hours w/ Lab			
Lab Requirement		<input type="checkbox"/>	Year 1
Subject 1		<input type="checkbox"/>	Year 1
Subject 2		<input type="checkbox"/>	Year 1
8 Hours Completed		<input type="checkbox"/>	Year 2
Social Science Requirement: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
3230:150 Human Cultures, 3750:100 Intro to Psychology, OR 3850:100 Intro to Sociology		<input type="checkbox"/>	Year 1
Area Studies & Cultural Diversity: 4 Credit Hours			
Course 1 (2 credit hours)	See course	<input type="checkbox"/>	Year 2
Course 2 (2 credit hours)	See course	<input type="checkbox"/>	Year 3
Humanities Requirement: 10 Credit Hours			
3400:210 Humanities/ West Trad (4 credit hrs)	32cr, 3300:112	<input type="checkbox"/>	Year 2
Course 1: From Set 1 – 4		<input type="checkbox"/>	Year 3
Course 2: From Set other than Course 1		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DARS to review academic progress and determine course sequencing each semester.

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	24cr or 6200:201	<input type="checkbox"/>	Year 2
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 3
C5 6400:301 Principles of Finance	3250:200/244, 3450:145, 6200:201 & 250	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	3450:145, 6200:250	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 4
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 2
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	48cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Human Resources Mgmt (30 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting college			
Management Core:			
6500:302 Organizational Behavior and Leadership Skills	6500:301	<input type="checkbox"/>	Year 4
6500:310 Business Information Systems	48cr, 6200:250	<input type="checkbox"/>	Year 2
6500:471 Management Project* (Fall and Spring Only)	Admitted to CBA, 6500:302, 310, 342, 442, 443	<input type="checkbox"/>	Year 4
Concentration Requirements:			
6500:341 Human Resource Management	3750:100 or 3850:100, & 6500:301 (co-req)	<input type="checkbox"/>	Year 3
6500:342 Employee & Labor Relations (Spring Only)	64cr, 6500:341 (co-req)	<input type="checkbox"/>	Year 3 Spring
6500:442 Compensation Management (Fall Only) ☼	64cr, 6500:341	<input type="checkbox"/>	Year 4 Fall
6500:443 HR Selection and Staffing (Spring Only) ☼	64cr, 6500:341	<input type="checkbox"/>	Year 3 Spring
Electives: 3 courses (9 credits) from 6X00:3XX/4XX			
Elective 1	See course	<input type="checkbox"/>	Year 3
Elective 2	See course	<input type="checkbox"/>	Year 4
Elective 3	See course	<input type="checkbox"/>	Year 4
6500:487 Human Resources Management internship can count towards one of the above electives. Students must meet requirements for HR internship to be eligible.			
Total Remaining Credits			

*Management Project sign-up is via a waitlist. You will receive an e-mail regarding enrollment status. Sign up online at www.uakron.edu/cba/uadvising

Graduation Requirements – Review DARS for status:

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

Additional Credits to Reach Minimum 128 Credit Hours

WEB-VERSION ONLY/ TENTATIVE DEGREE REQUIREMENTS
Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education 2.0 Requirements (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 3
Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 1
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 2
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 1
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 2
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
3750:100 Intro to Psychology OR 3850:100 Intro to Sociology (recommended - Domestic Diversity Tag)		<input type="checkbox"/>	Year 1
TIER III: TAGGED COURSES			
Critical Thinking		<input type="checkbox"/>	Year 1
Complex Systems Affecting Individuals in Society		<input type="checkbox"/>	Year 3
Domestic Diversity (Sociology recommended)		<input type="checkbox"/>	Year 1
Global Diversity		<input type="checkbox"/>	Year 2
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet proficiency	<input type="checkbox"/>	Year 1
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 3
C5 6400:301 Principles of Finance	3250:200/244, 6200:201 & 250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	6200:250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr, co-req 3250:200	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 4
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 2
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 2
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	32cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Human Resources Mgmt (30 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
⊛ = Must be admitted to 4 year degree granting MAJOR			
Management Core:			
6500:302 Organizational Behavior and Leadership Skills	6500:301	<input type="checkbox"/>	Year 3
6500:310 Business Information Systems	48cr, 6200:250	<input type="checkbox"/>	Year 3
6500:471 Management Consulting Project* (Fall and Spring Only)	Admitted to CBA, 6500:302, 310, 342, 442, 443	<input type="checkbox"/>	Year 4
Concentration Requirements:			
6500:341 Human Resource Management	3750:100 or 3850:100, & 6500:301 (co-req)	<input type="checkbox"/>	Year 3 Fall
6500:342 Employee & Labor Relations (Spring Only)	64cr, 6500:341 (co-req)	<input type="checkbox"/>	Year 3 Spring
6500:441 Training and Development (Fall Only) ⊛	6500:341	<input type="checkbox"/>	Year 4 Fall
6500:442 Compensation Management and Rewards System (Fall Only) ⊛	64cr, 6500:341	<input type="checkbox"/>	Year 4 Fall
6500:443 HR Selection and Staffing (Spring Only) ⊛	64cr, 6500:341	<input type="checkbox"/>	Year 3 Spring
Electives: 2 courses (6 credits) from 6X00:3XX/4XX excluding 6400:300, 321, 322			
Elective 1	See course	<input type="checkbox"/>	Year 4
Elective 2	See course	<input type="checkbox"/>	Year 4
6500:487 Human Resources Management internship can count towards one of the above electives. Students must meet requirements for HR internship to be eligible.			
Total Remaining Credits			

Graduation Requirements – Review DPR for status:

- 120 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

_____ Additional Credits to Reach Minimum 120 Credit Hours

WEB-VERSION ONLY

Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education Requirements (42 credits)			
	PRE-REQ	DONE	RECOMM YEAR
Speech Requirement: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
English Requirement: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
Physical Education Requirement: 1 Credit Hour			
½ credit hour		<input type="checkbox"/>	Year 1
½ credit hour		<input type="checkbox"/>	Year 1
Mathematics Requirement: 4 Credit Hours			
3450:145 College Algebra (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Natural Science Requirement: 8 Credit Hours w/ Lab			
Lab Requirement		<input type="checkbox"/>	Year 1
Subject 1		<input type="checkbox"/>	Year 1
Subject 2		<input type="checkbox"/>	Year 1
8 Hours Completed		<input type="checkbox"/>	Year 2
Social Science Requirement: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
3230:150 Human Cultures, 3750:100 Intro to Psychology, OR 3850:100 Intro to Sociology		<input type="checkbox"/>	Year 1
Area Studies & Cultural Diversity: 4 Credit Hours			
Course 1 (2 credit hours)	See course	<input type="checkbox"/>	Year 2
Course 2 (2 credit hours)	See course	<input type="checkbox"/>	Year 4
Humanities Requirement: 10 Credit Hours			
3400:210 Humanities/ West Trad (4 credit hrs)	32cr, 3300:112	<input type="checkbox"/>	Year 3
Course 1: From Set 1 – 4		<input type="checkbox"/>	Year 3
Course 2: From Set other than Course 1		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DARS to review academic progress and determine course sequencing each semester.

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	24cr or 6200:201	<input type="checkbox"/>	Year 2
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 2
C5 6400:301 Principles of Finance	3250:200/244, 3450:145, 6200:201 & 250	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	3450:145, 6200:250	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 2
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	48cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Supply Chain/ Operations (30 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting college			
Management Core:			
6500:302 Organizational Behavior and Leadership Skills	6500:301	<input type="checkbox"/>	Year 3
6500:310 Business Information Systems	48cr, 6200:250	<input type="checkbox"/>	Year 2
6500:471 Management Project* (Fall and Spring Only)	Admitted to CBA, 6500:302, 310, 333, 390, 433	<input type="checkbox"/>	Year 4
Concentration Requirements:			
6500:333 Supply Chain & Operations Analysis (Fall Only)	6500:304, 6500:330	<input type="checkbox"/>	Year 4 Fall
6500:390 Supply Chain Modeling and Decision Making (Fall Only)	6200:250, 6500:304, 330	<input type="checkbox"/>	Year 4 Fall
6500:433 Supply Chain Logistics Planning (Spring Only) ☼	64cr, 6500:330	<input type="checkbox"/>	Year 4 Spring
6500:476 Supply Chain Sourcing (Spring Only) ☼	6500:330	<input type="checkbox"/>	Year 3 Spring
Supply Chain Electives: 2 courses from 6500:324 (fall), 325 (spring), 341, 457, 459 or 6600:475			
Elective 1	See course	<input type="checkbox"/>	Year 3
Elective 2	See course	<input type="checkbox"/>	Year 4
Business Elective: 6X00:3XX/4XX			
Business Elective	See course	<input type="checkbox"/>	Year 4
6500:486 Supply Chain/ Operations internship can count towards the Business Elective. Students must meet requirements for Supply Chain internship to be eligible.			
Total Remaining Credits			

*Management Project sign-up is via a waitlist. You will receive an e-mail regarding enrollment status. Sign up online at www.uakron.edu/cba/uadvising

Graduation Requirements – Review DARS for status:

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

_____ Additional Credits to Reach Minimum 128 Credit Hours



WEB-VERSION ONLY/ TENTATIVE DEGREE REQUIREMENTS
Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education 2.0 Requirements (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 3
Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 1
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 2
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 1
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 2
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
Social Science Course (recommended 3850:100 Intro to Sociology - Domestic Diversity Tag)		<input type="checkbox"/>	Year 1
TIER III: TAGGED COURSES			
Critical Thinking		<input type="checkbox"/>	Year 1
Complex Systems Affecting Individuals in Society		<input type="checkbox"/>	Year 3
Domestic Diversity (Sociology recommended)		<input type="checkbox"/>	Year 1
Global Diversity		<input type="checkbox"/>	Year 2
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

Graduation Requirements – Review DPR for status:

- 120 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet proficiency	<input type="checkbox"/>	Year 1
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 3
C5 6400:301 Principles of Finance	3250:200/244, 6200:201 & 250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	6200:250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr, co-req 3250:200	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 4
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 2
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 2
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	32cr	<input type="checkbox"/>	Year 2
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Supply Chain/ Operations (30 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
⊗ = Must be admitted to 4 year degree granting MAJOR			
Management Core:			
6500:302 Organizational Behavior and Leadership Skills	6500:301	<input type="checkbox"/>	Year 3
6500:310 Business Information Systems	48cr, 6200:250	<input type="checkbox"/>	Year 4
Concentration Requirements:			
6500:333 Supply Chain & Operations Analysis (Fall Only)	6500:304, 6500:330	<input type="checkbox"/>	Year 3 Fall
6500:390 Supply Chain Modeling and Decision Making (Fall Only)	6200:250, 6500:304, 330	<input type="checkbox"/>	Year 3 Fall
6500:433 Supply Chain Logistics Planning (Spring Only) ⊗	64cr, 6500:330	<input type="checkbox"/>	Year 3 Spring
6500:475 Supply Chain Operations Strategy ⊗	6500:302, 310, 333, 390, 433 (co-req), 476 (co-req)	<input type="checkbox"/>	Year 4
6500:476 Supply Chain Sourcing (Spring Only) ⊗	6500:330	<input type="checkbox"/>	Year 3 Spring
Supply Chain Electives: 2 courses from 6200:301, 6500:315 (fall), 324 (fall), 325 (spring), 334, 341, 342 (spring), 350, 457, 459, 471 or 6600:475			
Elective 1	See course	<input type="checkbox"/>	Year 4
Elective 2	See course	<input type="checkbox"/>	Year 4
Business Elective: 6X00:3XX/4XX			
Business Elective	See course	<input type="checkbox"/>	Year 4
6500:486 Supply Chain/ Operations internship can count towards the Business Elective. Students must meet requirements for Supply Chain internship to be eligible.			
Total Remaining Credits			

_____ Additional Credits to Reach Minimum 120 Credit Hours

WEB-VERSION ONLY

Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education Requirements (42 credits)			
	PRE-REQ	DONE	RECOMM YEAR
Speech Requirement: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
English Requirement: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
Physical Education Requirement: 1 Credit Hour			
½ credit hour		<input type="checkbox"/>	Year 1
½ credit hour		<input type="checkbox"/>	Year 1
Mathematics Requirement: 4 Credit Hours			
3450:145 College Algebra (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Natural Science Requirement: 8 Credit Hours w/ Lab			
Lab Requirement		<input type="checkbox"/>	Year 1
Subject 1		<input type="checkbox"/>	Year 1
Subject 2		<input type="checkbox"/>	Year 1
8 Hours Completed		<input type="checkbox"/>	Year 2
Social Science Requirement: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
3230:150 Human Cultures, 3750:100 Intro to Psychology, OR 3850:100 Intro to Sociology		<input type="checkbox"/>	Year 1
Area Studies & Cultural Diversity: 4 Credit Hours			
Course 1 (2 credit hours)	See course	<input type="checkbox"/>	Year 3
Course 2 (2 credit hours)	See course	<input type="checkbox"/>	Year 4
Humanities Requirement: 10 Credit Hours			
3400:210 Humanities/ West Trad (4 credit hrs)	32cr, 3300:112	<input type="checkbox"/>	Year 2
Course 1: From Set 1 – 4		<input type="checkbox"/>	Year 3
Course 2: From Set other than Course 1		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DARS to review academic progress and determine course sequencing each semester.

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	24cr or 6200:201	<input type="checkbox"/>	Year 2
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 2
C5 6400:301 Principles of Finance	3250:200/244, 3450:145, 6200:201 & 250	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	3450:145, 6200:250	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	48cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Integrated Marketing Comm. (30 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting college			
Foundation Core:			
6600:275 Professional Selling	25cr	<input type="checkbox"/>	Year 2
6600:335 Marketing Research	6600:205, 6500:304	<input type="checkbox"/>	Year 3
6600:355 Buyer Behavior	6600:205	<input type="checkbox"/>	Year 2
6600:375 Marketing & Sales Analytics	6600:335	<input type="checkbox"/>	Year 3
Core Competencies Courses:			
6600:432 Integrated Marketing Communications ☼	6600:205, 6600:355	<input type="checkbox"/>	Year 3
6600:434 Digital Marketing (Spring Only) ☼	6600:205, 432	<input type="checkbox"/>	Year 4 Spring
6600:438 Media Strategy (Fall Only) ☼	6600:205, 432	<input type="checkbox"/>	Year 4 Fall
6600:445 Creative Marketing Laboratory ☼	6600:355, 6600:432	<input type="checkbox"/>	Year 4
Professional Courses:			
6600:499 Marketing Capstone Project (Fall and Spring only) ☼	6600:275, 335, 355, 375, 432, 438	<input type="checkbox"/>	Year 4
6600:488 Internship (permission)... OR	Admitted to CBA	<input type="checkbox"/>	Year 3 or 4
6600:491 Professional Workshops in Marketing (must total 3 credits; workshops are 1-2 credit hours each) ☼	6600:275, 335, 355, 375	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Credits to Reach Minimum 128 Credit Hours

Graduation Requirements – Review DARS for status:

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

WEB-VERSION ONLY/ TENTATIVE DEGREE REQUIREMENTS
Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education 2.0 Requirements (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 2
Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 1
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 2
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 1
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 2
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
Social Science Course (recommended 3850:100 Intro to Sociology - Domestic Diversity Tag)		<input type="checkbox"/>	Year 1
TIER III: TAGGED COURSES			
Critical Thinking (6600:335 Marketing Research recommended)		<input type="checkbox"/>	Year 3
Complex Systems Affecting Individuals in Society		<input type="checkbox"/>	Year 3
Domestic Diversity (Sociology recommended)		<input type="checkbox"/>	Year 1
Global Diversity		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

Graduation Requirements – Review DPR for status:

- 120 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet proficiency	<input type="checkbox"/>	Year 1
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 3
C5 6400:301 Principles of Finance	3250:200/244, 6200:201 & 250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	6200:250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr, co-req 3250:200	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 4
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 2
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	32cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	CBA Major Admit, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Integrated Marketing Comm. (31 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting MAJOR			
Foundation Core: 12 credits			
6600:275 Professional Selling	25cr	<input type="checkbox"/>	Year 2
6600:335 Marketing Research	6600:205, 6500:304; co-req 6600:336	<input type="checkbox"/>	Year 3
6600:355 Buyer Behavior	6600:205	<input type="checkbox"/>	Year 2
6600:375 Marketing & Sales Analytics	6600:335	<input type="checkbox"/>	Year 3
Core Competencies Courses: 12 credits			
6600:432 Integrated Marketing Communications ☼	6600:205, 6600:355	<input type="checkbox"/>	Year 3
6600:434 Digital Marketing (Spring Only) ☼	6600:205, 432	<input type="checkbox"/>	Year 3 Spring
6600:438 Media Strategy (Fall Only) ☼	6600:205, 432	<input type="checkbox"/>	Year 4 Fall
6600:445 Creative Marketing Laboratory ☼ Substitution: 6600:446 Social Media Marketing (Spring Only) ☼	6600:205, 355, 432	<input type="checkbox"/>	Year 4 Spring
Professional Courses: 7 credits			
6600:499 Marketing Capstone Project (Fall and Spring only) ☼	6600:275, 335, 355, 375, 432, 438	<input type="checkbox"/>	Year 4
6600:495 Professional Insights: IMC – 1 credit ☼	Admitted to CBA and Sr. standing	<input type="checkbox"/>	Year 4
6600:488 Internship (permission) ☼ OR ... 6600:491 Professional Workshops in Marketing – 3 credits (workshop=1 credit) ☼	Internship = Admitted to CBA; 6600:491 = Jr. standing	<input type="checkbox"/>	Year 3 or 4
Total Remaining Credits			

_____ Additional Credits to Reach Minimum 120 Credit Hours

WEB-VERSION ONLY

Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education Requirements (42 credits)			
	PRE-REQ	DONE	RECOMM YEAR
Speech Requirement: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
English Requirement: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
Physical Education Requirement: 1 Credit Hour			
½ credit hour		<input type="checkbox"/>	Year 1
½ credit hour		<input type="checkbox"/>	Year 1
Mathematics Requirement: 4 Credit Hours			
3450:145 College Algebra (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Natural Science Requirement: 8 Credit Hours w/ Lab			
Lab Requirement		<input type="checkbox"/>	Year 1
Subject 1		<input type="checkbox"/>	Year 1
Subject 2		<input type="checkbox"/>	Year 1
8 Hours Completed		<input type="checkbox"/>	Year 2
Social Science Requirement: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
3230:150 Human Cultures, 3750:100 Intro to Psychology, OR 3850:100 Intro to Sociology		<input type="checkbox"/>	Year 1
Area Studies & Cultural Diversity: 4 Credit Hours			
Course 1 (2 credit hours)	See course	<input type="checkbox"/>	Year 3
Course 2 (2 credit hours)	See course	<input type="checkbox"/>	Year 4
Humanities Requirement: 10 Credit Hours			
3400:210 Humanities/ West Trad (4 credit hrs)	32cr, 3300:112	<input type="checkbox"/>	Year 2
Course 1: From Set 1 – 4		<input type="checkbox"/>	Year 3
Course 2: From Set other than Course 1		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DARS to review academic progress and determine course sequencing each semester.

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	24cr or 6200:201	<input type="checkbox"/>	Year 2
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 2
C5 6400:301 Principles of Finance	3250:200/244, 3450:145, 6200:201 & 250	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	3450:145, 6200:250	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	48cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Marketing Management (30 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting college			
Foundation Core:			
6600:275 Professional Selling	25cr	<input type="checkbox"/>	Year 2
6600:335 Marketing Research	6600:205, 6500:304	<input type="checkbox"/>	Year 3
6600:355 Buyer Behavior	6600:205	<input type="checkbox"/>	Year 2
6600:375 Marketing & Sales Analytics	6600:335	<input type="checkbox"/>	Year 3
Core Competencies Courses:			
6600:432 Integrated Marketing Communications ☼	6600:205, 6600:355	<input type="checkbox"/>	Year 3
6600:436 E-Commerce ☼	6600:205, 6600:355, 6600:375	<input type="checkbox"/>	Year 4
6600:440 Brand Management ☼	6600:205, 6600:355	<input type="checkbox"/>	Year 4
6600:460 Business to Business (B2B) Marketing ☼	6600:205	<input type="checkbox"/>	Year 4
Professional Courses:			
6600:499 Marketing Capstone Project (Fall and Spring only) ☼	6600:275, 335, 355, 375, 440, 460	<input type="checkbox"/>	Year 4
6600:486 Internship (permission) ... OR	Admitted to CBA	<input type="checkbox"/>	Year 3 or 4
6600:491 Professional Workshops in Marketing (must total 3 credits; workshops are 1-2 credit hours each) ☼	6600:275, 335, 355, 375	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Credits to Reach Minimum 128 Credit Hours

Graduation Requirements – Review DARS for status:

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

WEB-VERSION ONLY/ TENTATIVE DEGREE REQUIREMENTS
Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education 2.0 Requirements (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 4
Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 1
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 3
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 1
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 2
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
Social Science Course (<i>recommended 3850:100 Intro to Sociology - Domestic Diversity Tag</i>)		<input type="checkbox"/>	Year 1
TIER III: TAGGED COURSES			
Critical Thinking (<i>6600:335 Marketing Research recommended</i>)		<input type="checkbox"/>	Year 3
Complex Systems Affecting Individuals in Society		<input type="checkbox"/>	Year 3
Domestic Diversity (<i>Sociology recommended</i>)		<input type="checkbox"/>	Year 1
Global Diversity		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet proficiency	<input type="checkbox"/>	Year 1
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 3
C5 6400:301 Principles of Finance	3250:200/244, 6200:201 & 250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 4 Fall
C6 6500:304 Business Statistics	6200:250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr, co-req 3250:200	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 4
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	32cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	CBA Major Admit, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4 Spring
Total Remaining Credits			

Marketing Management (31 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting MAJOR			
Foundation Core: 12 credits			
6600:275 Professional Selling	25cr	<input type="checkbox"/>	Year 2
6600:335 Marketing Research	6600:205, 6500:304; co-req 6600:336	<input type="checkbox"/>	Year 3
6600:355 Buyer Behavior	6600:205	<input type="checkbox"/>	Year 2
6600:375 Marketing & Sales Analytics	6600:335	<input type="checkbox"/>	Year 3
Core Competencies Courses: 12 credits			
6600:432 Integrated Marketing Communications ☼	6600:205, 6600:355	<input type="checkbox"/>	Year 3
6600:436 E-Commerce ☼	6600:205	<input type="checkbox"/>	Year 4
6600:440 Brand Management ☼	6600:205, 6600:355	<input type="checkbox"/>	Year 3
6600:460 Business to Business (B2B) Marketing ☼	6600:205	<input type="checkbox"/>	Year 3
Professional Courses: 7 credits			
6600:499 Marketing Capstone Project (Fall and Spring only) ☼	6600:275, 335, 355, 375, 440, 460	<input type="checkbox"/>	Year 4
6600:494 Professional Insights: Marketing Management – 1 credit ☼	Admitted to CBA and Sr. standing	<input type="checkbox"/>	Year 4
6600:486 Internship (permission) ☼ OR ... 6600:491 Professional Workshops in Marketing – 3 credits (workshop=1 credit) ☼	Internship = Admitted to CBA; 6600:491 = Jr. standing	<input type="checkbox"/>	Year 3 or 4
Total Remaining Credits			

Graduation Requirements – Review DPR for status:

- 120 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

_____ Additional Credits to Reach Minimum 120 Credit Hours

WEB-VERSION ONLY

Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education Requirements (42 credits)			
	PRE-REQ	DONE	RECOMM YEAR
Speech Requirement: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
English Requirement: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
Physical Education Requirement: 1 Credit Hour			
½ credit hour		<input type="checkbox"/>	Year 1
½ credit hour		<input type="checkbox"/>	Year 1
Mathematics Requirement: 4 Credit Hours			
3450:145 College Algebra (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Natural Science Requirement: 8 Credit Hours w/ Lab			
Lab Requirement		<input type="checkbox"/>	Year 1
Subject 1		<input type="checkbox"/>	Year 1
Subject 2		<input type="checkbox"/>	Year 1
8 Hours Completed		<input type="checkbox"/>	Year 3
Social Science Requirement: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
3230:150 Human Cultures, 3750:100 Intro to Psychology, OR 3850:100 Intro to Sociology		<input type="checkbox"/>	Year 1
Area Studies & Cultural Diversity: 4 Credit Hours			
Course 1 (2 credit hours)	See course	<input type="checkbox"/>	Year 3
Course 2 (2 credit hours)	See course	<input type="checkbox"/>	Year 4
Humanities Requirement: 10 Credit Hours			
3400:210 Humanities/ West Trad (4 credit hrs)	32cr, 3300:112	<input type="checkbox"/>	Year 2
Course 1: From Set 1 – 4		<input type="checkbox"/>	Year 3
Course 2: From Set other than Course 1		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DARS to review academic progress and determine course sequencing each semester.

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	24cr or 6200:201	<input type="checkbox"/>	Year 2
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 2
C5 6400:301 Principles of Finance	3250:200/244, 3450:145, 6200:201 & 250	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	3450:145, 6200:250	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	48cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Sales Management (30 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting college			
Foundation Core:			
6600:275 Professional Selling	25cr	<input type="checkbox"/>	Year 2
6600:335 Marketing Research	6600:205, 6500:304	<input type="checkbox"/>	Year 3
6600:355 Buyer Behavior	6600:205	<input type="checkbox"/>	Year 2
6600:375 Marketing & Sales Analytics	6600:335	<input type="checkbox"/>	Year 3
Core Competencies Courses:			
6600:460 Business to Business (B2B) Marketing ☼	6600:205	<input type="checkbox"/>	Year 3
6600:475 Business Negotiations ☼	25cr, 6600:275	<input type="checkbox"/>	Year 3
6600:478 Advanced Professional Selling ☼	6600:275	<input type="checkbox"/>	Year 4
6600:480 Sales Management ☼	6600:205	<input type="checkbox"/>	Year 4
Professional Courses:			
6600:499 Marketing Capstone Project (Fall and Spring only) ☼	6600:275, 335, 355, 375, 475, 480	<input type="checkbox"/>	Year 4
6600:487 Internship (permission)... OR	Admitted to CBA	<input type="checkbox"/>	Year 3 or 4
6600:491 Professional Workshops in Marketing (must total 3 credits; workshops are 1-2 credit hours each) ☼	6600:275, 335, 355, 375	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Credits to Reach Minimum 128 Credit Hours

Graduation Requirements – Review DARS for status:

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

WEB-VERSION ONLY/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education 2.0 Requirements (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 2
Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 1
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 2
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 1
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 2
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
Social Science Course (recommended 3850:100 Intro to Sociology - Domestic Diversity Tag)		<input type="checkbox"/>	Year 1
TIER III: TAGGED COURSES			
Critical Thinking (6600:335 Marketing Research recommended)		<input type="checkbox"/>	Year 3
Complex Systems Affecting Individuals in Society		<input type="checkbox"/>	Year 3
Domestic Diversity (Sociology recommended)		<input type="checkbox"/>	Year 1
Global Diversity		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet proficiency	<input type="checkbox"/>	Year 1
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 3
C5 6400:301 Principles of Finance	3250:200/244, 6200:201 & 250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 4 Fall
C6 6500:304 Business Statistics	6200:250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr, co-req 3250:200	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 4
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	32cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	CBA Major Admit, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4 Spring
Total Remaining Credits			

Sales Management (31 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting MAJOR			
Foundation Core: 12 credits			
6600:275 Professional Selling	25cr	<input type="checkbox"/>	Year 2
6600:335 Marketing Research	6600:205, 6500:304; co-req 6600:336	<input type="checkbox"/>	Year 3
6600:355 Buyer Behavior	6600:205	<input type="checkbox"/>	Year 2
6600:375 Marketing & Sales Analytics	6600:335	<input type="checkbox"/>	Year 3
Core Competencies Courses: 12 credits			
6600:460 Business to Business (B2B) Marketing ☼	6600:205	<input type="checkbox"/>	Year 3
6600:475 Business Negotiations ☼	25cr, 6600:275	<input type="checkbox"/>	Year 3
6600:478 Advanced Professional Selling ☼	6600:275	<input type="checkbox"/>	Year 4
6600:480 Sales Management ☼	6600:205	<input type="checkbox"/>	Year 3
Professional Courses: 7 credits			
6600:499 Marketing Capstone Project (Fall and Spring only) ☼	6600:275, 335, 355, 375, 475, 480	<input type="checkbox"/>	Year 4
6600:493 Professional Insights: Sales Management – 1 credit ☼	Admitted to CBA and Sr. standing	<input type="checkbox"/>	Year 4
6600:487 Internship (permission) ☼ OR ...	Internship = Admitted to CBA;	<input type="checkbox"/>	Year 3 or 4
6600:491 Professional Workshops in Marketing – 3 credits (workshop=1 credit) ☼	6600:491 = Jr. standing	<input type="checkbox"/>	Year 3 or 4
Total Remaining Credits			

Graduation Requirements – Review DPR for status:

- 120 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

_____ Additional Credits to Reach Minimum 120 Credit Hours

WEB-VERSION ONLY

Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education Requirements (42 credits)			
	PRE-REQ	DONE	RECOMM YEAR
Speech Requirement: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
English Requirement: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
Physical Education Requirement: 1 Credit Hour			
½ credit hour		<input type="checkbox"/>	Year 1
½ credit hour		<input type="checkbox"/>	Year 1
Mathematics Requirement: 4 Credit Hours			
3450:145 College Algebra (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Natural Science Requirement: 8 Credit Hours w/ Lab			
Lab Requirement		<input type="checkbox"/>	Year 1
Subject 1		<input type="checkbox"/>	Year 1
Subject 2		<input type="checkbox"/>	Year 1
8 Hours Completed		<input type="checkbox"/>	Year 3
Social Science Requirement: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
3230:150 Human Cultures, 3750:100 Intro to Psychology, OR 3850:100 Intro to Sociology		<input type="checkbox"/>	Year 1
Area Studies & Cultural Diversity: 4 Credit Hours			
Course 1 (2 credit hours)	See course	<input type="checkbox"/>	Year 4
Course 2 (2 credit hours)	See course	<input type="checkbox"/>	Year 4
Humanities Requirement: 10 Credit Hours			
3400:210 Humanities/ West Trad (4 credit hrs)	32cr, 3300:112	<input type="checkbox"/>	Year 3
Course 1: From Set 1 – 4		<input type="checkbox"/>	Year 1
Course 2: From Set other than Course 1		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DARS to review academic progress and determine course sequencing each semester.

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	24cr or 6200:201	<input type="checkbox"/>	Year 2
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 2
C5 6400:301 Principles of Finance	3250:200/244, 3450:145, 6200:201 & 250	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	3450:145, 6200:250	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr	<input type="checkbox"/>	Year 3
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 2
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	48cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

International Business (38+ credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting college			
International Business Core:			
6800:406 International Business Travel Abroad ☼	Admitted to CBA	<input type="checkbox"/>	Year 3
6800:421 Foreign Market Entry ☼	6800:305	<input type="checkbox"/>	Year 3
6800:422 Distance Market Analysis (Spring only) ☼	6800:305, 406, 421	<input type="checkbox"/>	Year 4 Spring
International Business Functional Specialties:			
6200:408 International Financial Reporting and Analysis (Spring only)	Admitted to CBA, ≥ C in 6200:201 & 6200:202	<input type="checkbox"/>	Year 4 Spring
6400:481 International Business Finance ☼	6400:301	<input type="checkbox"/>	Year 4
6500:457 International Management ☼	Jr/Sr, 6500:301	<input type="checkbox"/>	Year 4
International Capstone:			
Select One – 6800:492 (internship), 6400:323 (Spring Only), 6400:438 (Spring Only), 6500:459, 6800:496			
	Refer to course	<input type="checkbox"/>	Year 4
Foreign Language Option: Must be the same language			
35xx:101 (Beginning I): 4 credit hours		<input type="checkbox"/>	Year 2
35xx:102 (Beginning II): 4 credit hours		<input type="checkbox"/>	Year 2
35xx:201 (Intermediate I)		<input type="checkbox"/>	Year 3
Approved Minor (see below):			
Total Remaining Credits			

Additional Credits to Reach Minimum 128 Credit Hours

Graduation Requirements – Review DARS for status:

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

WEB-VERSION ONLY/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education 2.0 Requirements (47 credits)			
	PRE-REQ	DONE	RECOMM YEAR
TIER I: ACADEMIC FOUNDATIONS			
Quantitative Reasoning: 4 Credit Hours			
3450:145 Algebra for Calculus (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Speaking: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
Writing: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
TIER II: DISCIPLINARY AREA COURSES			
Arts & Humanities: 9 Credit Hours			
Arts Course (3 credits)		<input type="checkbox"/>	Year 3
Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 1
Arts or Humanities Course (3-4 credits)		<input type="checkbox"/>	Year 4
Natural Science: 7 Credit Hours w/ 1 lab			
Natural Science with lab (4 credits)		<input type="checkbox"/>	Year 1
Natural Science no lab (3 credits)		<input type="checkbox"/>	Year 2
Social Science: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
Social Science Course (recommended 3850:100 Intro to Sociology - Domestic Diversity Tag)		<input type="checkbox"/>	Year 1
TIER III: TAGGED COURSES			
Critical Thinking		<input type="checkbox"/>	Year 1
Complex Systems Affecting Individuals in Society		<input type="checkbox"/>	Year 3
Domestic Diversity (Sociology recommended)		<input type="checkbox"/>	Year 1
Global Diversity		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet proficiency	<input type="checkbox"/>	Year 1
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 3
C5 6400:301 Principles of Finance	3250:200/244, 6200:201 & 250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	6200:250, ≥ C- in 3450:145	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr, co-req 3250:200	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 2
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 2
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	32cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	CBA Major Admit, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

International Business (38+ credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
☼ = Must be admitted to 4 year degree granting MAJOR			
International Business Core:			
6800:406 International Business Travel Abroad (0 credit hours) ☼	Admitted to CBA Major	<input type="checkbox"/>	Year 3
6800:421 Foreign Market Entry (Fall only) ☼	6800:305	<input type="checkbox"/>	Year 4 Fall
6800:422 Distance Market Analysis (Fall only) ☼	6800:305, 406; 421 (recommend)	<input type="checkbox"/>	Year 4 Fall
International Business Functional Specialties:			
6200:408 International Financial Reporting and Analysis (Spring only) ☼	Admitted to CBA Major, ≥ C in 6200:201 & 6200:202	<input type="checkbox"/>	Year 3 Spring
6400:437 International Business Finance (Fall only) ☼	6400:301	<input type="checkbox"/>	Year 4
6500:457 International Management ☼	Jr/Sr, 6500:301	<input type="checkbox"/>	Year 3
International Capstone:			
Select One or More for 2+ credits – 6800:492 (internship), 6100:499, 6400:323 (Spring Only), 6400:438 (Spring Only), 6500:459, 6800:496			
	Refer to course	<input type="checkbox"/>	Year 4
Foreign Language Option: Must be the same language			
35xx:101 (Beginning I): 4 credit hours		<input type="checkbox"/>	Year 2
35xx:102 (Beginning II): 4 credit hours		<input type="checkbox"/>	Year 2
35xx:201 (Intermediate I)		<input type="checkbox"/>	Year 3
Approved Minor (see below):			
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester.

Minors: A minor should be selected by year 2. Please meet with your advisor for a list of approved academic minors and to adjust your course sequencing based upon your minor.
Travel Abroad: International study/travel abroad is required for IB majors. Meet with your advisor to determine options, time period and required coursework for going abroad.

Additional Credits to Reach Minimum 128 Credit Hours

Graduation Requirements – Review DPR for status:

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0

Nursing 82000BS

The following information has official approval of the **School of Nursing**, but is intended only as a supplemental guide.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education/>

***Preadmission courses: A grade of "C" or higher is required.** A minimum combined 2.75 GPA is required in core science courses: 3150:110/111, and 112/113, Int. to General, Org., and Biochemistry I and II; 3100:200/201, Human Anatomy & Physiology I (Lecture and Lab); and, 3100:202/203, Human Anatomy & Physiology II (Lecture and Lab).

All science courses must have been completed within the last 5 years

IMPORTANT: THE PREADMISSION SCIENCE GPA WILL DETERMINE YOUR RANK ORDER FOR SELECTION INTO THE CLINICAL PROGRAM.

1 st Year	Fall Semester	Credit Hours	Prerequisites
*3300:111	<i>English Composition I (Writing Requirement)</i>	3	Appropriate placement by advisor
*3100:200	<i>Human Anatomy and Physiology I Lecture (Natural Science requirement)</i>	3	
*3100:201	<i>Human Anatomy and Physiology I Lab (Natural Science requirement)</i>	1	
*3150:110	<i>General and Organic Biochemistry I Lecture (Natural Science requirement)-Note a</i>	3	
*3150:111	<i>General and Organic Biochemistry I Lab</i>	1	3150:110, corequisite
*3470:250 or *3470:260	<i>Statistics for Everyday Life/Lab (Note b)</i> -OR- <i>Basic Statistics/ Lab</i>	4 or 3	Appropriate placement by advisor
*8200:100	Introduction to Nursing (can be taken Fall or Spring)	1	
Total		15-16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
*3300:112	<i>English Composition II (Writing requirement)</i>	3	3300:111
*3100:202	Human Anatomy and Physiology II Lecture	3	3100:200
*3100:203	Human Anatomy and Physiology II Lab	1	
*3150:112	General and Organic Biochemistry II Lecture	3	3150:110
*3150:113	General and Organic Biochemistry II Lab	1	3150:112, corequisite
*3750:100	<i>Introduction to Psychology (Social Science requirement)</i>	3	
*7600:105 or *7600:106	<i>Introduction to Public Speaking (Speaking req)</i> -OR- <i>Effective Oral Communication (Speaking req)</i>	3	
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
8200:225	Health Assessment	3	Acceptance into the clinical program
7760:316	Science of Nutrition or	4	
3750:230	Developmental Psychology	4	3750:100
8200:211	Foundations of Nursing Practice I	5	Acceptance into the clinical program
8200:217	Pathophysiology for Nurses	3	Acceptance into the clinical program
Total		15	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
8200:212	Foundations of Nursing Practice II	5	8200:211
7760:316	Science of Nutrition or	4	
3750:230	Developmental Psychology	4	3750:100
3100:130	Principles of Microbiology/lab (can be taken Fall or Spring)	3	
8200:230	Nursing Pharmacology	3	Acceptance into the clinical program
Total		15	

3 rd Year	Fall Semester	Credit Hours	Prerequisites
8200:350	Nursing of the Childbearing Family *	5	Completion of first year of clinical program
8200:360	Nursing Care of Adults*	5	Completion of first year of clinical program
	Arts requirement	3	See General Education guide
3600:120	<i>Intro to Ethics (meets Humanities and Critical Thinking requirement)</i>	3	
Total		16	

3 rd Year	Spring Semester	Credit Hours	Prerequisites
8200:370	Nursing Care of Older Adults*	5	Completion of first year of clinical program
8200:380	Mental Health Nursing*	5	Completion of first year of clinical program
8200:341	Professional Role Development	3	Completion of first year of clinical program
3850:100	<i>Intro to Sociology (meets Social Science & Domestic Diversity requirement)</i>	3	
	Additional Arts <u>or</u> Humanities requirement	3	See General Education guide
Total		19	

4 th Year	Fall Semester	Credit Hours	Prerequisites
8200:410	Nursing of Families with Children **	5	Completion of second year of clinical program
8200:435	Nursing Research	2	Completion of second year of clinical program
8200:440	Nursing of Communities (meets Complex Systems Affecting In Society Requirement) **	5	Completion of second year of clinical program
Total		12	

4 th Year	Spring Semester	Credit Hours	Prerequisites
8200:430	Nursing in Complex/Critical Settings **	5	Completion of second year of clinical program
8200:450	Senior Practicum and Nursing Leadership **	5	Completion of second year of clinical program
	Global Diversity requirement	3	See General Education guide
8200:401	RN Transition	1	
Total		14	

	Minimum Credits for Degree	124	
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* Junior level clinical courses may be taken in any order (8200: 350, 8200:360, 8200:370, and 8200:380)

** Senior level clinical courses may be taken in any order (8200: 410, 8200:430, 8200:440 and 8200:450)

ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you should have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

NOTES:

- a. It is strongly recommended that a student have recent high school algebra and chemistry. If algebra skills need updating, a student should see advisor for assistance. If a student has no high school chemistry, 2820:105, Basic Chemistry or 3150:101, Chemistry for Everyone should be taken prior to enrollment in 3150:110 and 111.
- b. The math requirement is 3470:260, Basic Statistics or 3470:250, Stats for Everyday Life. A student may substitute 3470:261, 262, Introduction to Statistics I & II. Either option will fulfill the Quantitate Reasoning requirement.

SCHOOL OF NURSING REPEAT POLICY: If School of Nursing Pre-Nursing students or students located in the Center for Academic Advising & Student Success or College of Applied Science & Technology do not achieve a C or higher in science prerequisite courses the first time they take them, they are allowed to repeat the course for a change of grade **one time only**. (UA policy allows for two repeats for change of grade.) If a student must take a science course for a third time in order to earn a grade of “C” or higher, the student will **NO LONGER** be eligible for consideration for the nursing major until the previous science courses are 5 years old. This policy includes the repetition of a course originally taken at another institution or vice versa. All students must be aware that the repeat of a prerequisite science will automatically place them into the 2nd consideration pool. Any student who has repeated a prerequisite science course, including those students who elect to repeat a science course which they have passed successfully (“illegal repeat” of a C or higher) in order to raise their entry GPA, will be placed in the second consideration admission pool, even if they had previously been in the 1st consideration pool.

***Background Checks /Fingerprinting/Urine screen: All Nursing students are subject to yearly thorough criminal background checks and Urine Screen at the students expense. Both background checks may reveal a student's unsealed and sealed criminal record. Students are required to have a yearly TB test and flu vaccine as well as maintain current BLS Certification for the Healthcare Provider through the American Heart Association.

Further information is available on the School of Nursing website at <http://www3.uakron.edu/nursing/Resources/resources.htm>. Click on PreNursing Student Handbook.

All students admitted to the Sophomore class, by August 1st will begin nursing coursework in the fall and take a six or eight semester course of study. Upon successful completion of the program, the student is granted the Bachelor of Science degree in Nursing. They may then apply to take the National Licensure Examination for Registered Nurses.

TRANSFER STUDENTS: A student must be accepted by the University and have all course work applicable to the Nursing requirements evaluated in writing by the respective UA departments with a copy of the departmental approval on the file by August 1st of the year of entry into School of Nursing. All transfer prerequisites will be combined and averaged with those earned at the University of Akron. *Transfer students who have been dismissed from a Nursing program at another institution are not eligible to apply to The University of Akron's Nursing program.*

NOTIFICATION OF ADMISSION: Pending the outcome of spring semester, applicants completing pre-admission requirements will be notified of admission by June 30th. **MEETING MINIMUM ADMISSION REQUIREMENTS DOES NOT GUARANTEE ADMISSION.** Qualified students who do not receive admission will be placed on a waiting list which will be in effect through the first week of fall classes.

REAPPLICATION PROCESS: Applications for the College of Health Professions are only effective for the current academic year. A student meeting the minimum entry criteria but not admitted from the waiting list or denied admission will have their file remain in the School of Nursing as a pre-nursing student. These students will need to reapply during the next year's application period.

The School of Nursing reserves the right to approve admission to those individuals whose abilities, attitudes and character promise satisfactory achievement of the program of studies.

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Nursing LPN/BSN 820003

The following information has official approval of the **School of Nursing**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education/>

***Preadmission courses: A grade of "C" or higher is required.** A minimum combined 2.75 GPA is required in pre-admission as well as core science courses. The BSN track for LPNs begins every spring semester (January) and final selection is not complete until students are ranked by their science average and admitted until seats are full.

ALL science classes must have been completed within the last 5 years

1 st Year	Fall Semester	Credit Hours	Prerequisites
*3300:111	<i>English Composition I</i>	3	Appropriate placement by advisor
*3100:200	<i>Human Anatomy and Physiology I Lecture</i>	3	
*3100:201	<i>Human Anatomy and Physiology I Lab</i>	1	
3850:100	<i>Intro to Sociology (meets Social Science & Domestic Diversity requirement)</i>	3	
*3470:250 or *3470:260	<i>Statistics for Everyday Life/Lab (Note b)</i> -OR- <i>Basic Statistics/ Lab</i>	4 or 3	Appropriate placement by advisor
Total		13-14	

1 st Year	Spring Semester	Credit Hours	
*3300:112	<i>English Composition II</i>	3	3300:111
*3100:202	<i>Human Anatomy and Physiology II Lecture</i>	3	3100:200
*3100:203	<i>Human Anatomy and Physiology II Lab</i>	1	
*3750:100	<i>Introduction to Psychology</i>	3	
*7600:105 or *7600:106	<i>Introduction to Public Speaking</i> -OR- <i>Effective Oral Communication</i>	3	
Total		13	

2 nd Year	Fall Semester	Credit Hours	
*3150:110	<i>General and Organic Biochemistry I Lecture (Note a)</i>	3	
*3150:111	<i>General and Organic Biochemistry I Lab</i>	1	3150:110, corequisite
3750:230	<i>Developmental Psychology</i>	4	3750:100
	Arts requirement	3	See General Education guide
3600:120	<i>Intro to Ethics (meets Humanities and Critical Thinking requirement)</i>	3	
Total		14	

2 nd Year	PRE Spring Semester	Credit Hours	
8200:211	Testing out of Foundation of Nursing I	5	Credit by exam
Total		5	

2 nd Year	Spring Semester	Credit Hours	
*3150:112	<i>General and Organic Biochemistry II Lecture</i>	3	3150:110
*3150:113	<i>General and Organic Biochemistry II Lab</i>	1	3150:112, corequisite
8200:216	<i>Professional Role Transitions for LPN's</i>	3	
	Additional <i>Arts or Humanities</i> requirement	3	See General Education guide
7760:316	<i>Science of Nutrition</i>	4	
Total		14	

2nd Year Summer Semester			
8200:212	Foundations of Nursing Practice II	5	8200:211
8200:225	Health Assessment	3	
8200:230	Nursing Pharmacology	3	
8200:217	Pathophysiology for Nurses	3	
Total		14	

3rd Year Fall Semester			
8200:350	Nursing of the Childbearing Family*	5	Completion of first year of clinical program
8200:360	Nursing Care of Adults*	5	Completion of first year of clinical program
3100:130	Principles of Microbiology/lab	3	
Total		13	

3rd Year Spring Semester			
8200:370	Nursing Care of Older Adults*	5	8200:360
8200:380	Mental Health Nursing*	5	Completion of first year of clinical program
8200:341	Professional Role Development	3	Completion of first year of clinical program
Total		13	

4th Year Fall Semester			
8200:410	Nursing of Families with Children**	5	Completion of second year of clinical program
8200:435	Nursing Research	2	Completion of second year of clinical program
8200:430	Nursing in Complex/Critical Settings**	5	Completion of second year of clinical program
Total		12	

4th Year Spring Semester			
	<i>Global Diversity</i> requirement	3	See General Education guide
8200:450	Senior Practicum and Nursing Leadership**	5	Completion of second year of clinical program
8200:440	<i>Nursing of Communities** (meets Complex Systems Affecting Individuals in Society)</i>	5	Completion of second year of clinical program
8200:401	RN Transition	1	
Total		14	

	Minimum Credits for Degree	128	
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ALERT: By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements

- * Junior level clinical courses may be taken in any order (8200: 350, 8200:360, 8200:370, and 8200:380)
 ** Senior level clinical courses may be taken in any order (8200: 410, 8200:430, 8200:440 and 8200:450)
 8200:200 level courses may be taken in a different sequence with approval of Assistant Director of Nursing

NOTES:

- It is strongly recommended that a student have recent high school algebra and chemistry. If algebra skills need updating, a student should see advisor for assistance. If a student has no high school chemistry, 2820:105, Basic Chemistry or 3150:101, Chemistry for Everyone should be taken prior to enrollment in 3150:110 and 111.
- The math requirement is 3470:260, Basic Statistics or 3470:250, Stats for Everyday Life. A student may substitute 3470:261, 262, Introduction to Statistics I & II. Either option will fulfill the General math requirement.

SCHOOL OF NURSING REPEAT POLICY: If School of Nursing Pre-Nursing students or students located in the Center for Academic Advising & Student Success or College of Applied Science & Technology do not achieve a C or higher in science prerequisite courses the first time they take them, they are allowed to repeat the course for a change of grade **one time only**. (UA policy allows for two repeats for change of grade.) If a student must take a science course for a third time in order to earn a grade of "C" or higher, the student will **NO LONGER** be eligible for consideration for the nursing major until the previous science courses are 5 years old. This policy includes the repetition of a course originally taken at another institution or vice versa.

School of Nursing, Mary Gladwin Hall, Office of Success Center, Room 313, (330) 972-5103.

***Background Checks & Fingerprinting: All Nursing students are subject to yearly criminal background checks prior to program. Background checks may reveal a student's unsealed and sealed criminal record. Further information is available on the School of Nursing website at <http://www3.uakron.edu/nursing/Resources/resources.htm>. Click on PreNursing Student Handbook.

All students admitted to the Sophomore class, by August 1st will begin nursing coursework in the fall and take a six or eight semester course of study. Upon successful completion of the program, the student is granted the Bachelor of Science degree in Nursing. They may then apply to take the National Licensure Examination for Registered Nurses.

TRANSFER STUDENTS: A student must be accepted by the University and have all course work applicable to the Nursing requirements evaluated in writing by the respective UA departments with a copy of the departmental approval on the file by August 1st of the year of entry into School of Nursing. All transfer prerequisites will be combined and averaged with those earned at the University of Akron. *Transfer students who have been dismissed from a Nursing program at another institution are not eligible to apply to The University of Akron's Nursing program.* Transfer students are eligible to Intercollegiate Transfer to the School of Nursing after completing 12 credits at the University of Akron, completion of one or more core science courses and earning a 3.0 GPA at The University of Akron.

NOTIFICATION OF ADMISSION: Pending the outcome of spring semester, all applicants will be notified of admission by June 30th. **MEETING MINIMUM ADMISSION REQUIREMENTS DOES NOT GUARANTEE ADMISSION.** Qualified students who do not receive admission will be placed on a waiting list which will be in effect through the first week of fall classes.

REAPPLICATION PROCESS: Applications for the College of Health Professions are only effective for the current academic year. A student meeting the minimum entry criteria but not admitted from the waiting list or denied admission will have their file remain in the School of Nursing as a pre-nursing student. These students will need to reapply during the next year's application period.

The School of Nursing reserves the right to approve admission to those individuals whose abilities, attitudes and character promise satisfactory achievement of the program of studies.

(Enlow)

Accelerated Nursing 820200BS

The following information has official approval of the **School of Nursing**, but is intended only as a supplemental guide.

Admission Requirements

- Prospect Record Form (Application to the Program itself, available on the website)
- Two letters of recommendation
- Resume
- A 500-word Personal Statement addressing how you can contribute to the field of nursing
- Baccalaureate degree from a regionally accredited four year college or university
- Cumulative GPA of 3.0 on a 4.0 scale
- Completion of the prerequisite courses prior to beginning the first nursing course
- Prerequisite science courses completed within five years of application to the program. Science courses must have a lab component.
- Full time status
- Admission to the University of Akron – students previously enrolled at The University of Akron must complete an Inter-College Transfer (ICT) to the College of Nursing
- Prerequisite science courses must have a cumulative 3.0 GPA on a 4.0 scale.

Important note: Completion of all admission criteria does not guarantee admission to the accelerated program.

Admission Procedures

Submit the Prospect Record form along with copies of your transcripts to the College of Nursing, attention Accelerated Option. You will receive a written evaluation (Planning Sheet) of the prerequisites you have completed along with those that need to be completed. From this point forward, you must maintain close contact with the Accelerated Option office in order to ensure proper progression towards entry into the program and to confirm continued interest for consideration for admission. International students should contact the Office of International Programs for admission. If you have attended The University of Akron in the past, you may need to reactivate your file by contacting the Office of Admissions.

Prerequisite Courses: The following list of prerequisite courses are offered at The University of Akron and Wayne College Campus, as well as Medina County University Center (MCUC). Prerequisites may be completed at any regionally accredited university or community college. However, to ensure transfer of credits, you are strongly advised to submit a course description prior to registering for approval from the Advisor/Assistant Director. All prerequisite courses must be completed by the start of the program in May.

Pre-admission courses		Credit Hours
3100:130	Principles of Microbiology/lab	3
3100:200	<i>Human Anatomy and Physiology I</i>	3
3100:201	<i>Human Anatomy and Physiology I Lab</i>	1
3100:202	Human Anatomy and Physiology II Lecture	3
3100:203	Human Anatomy and Physiology II Lab	1
3150:110	<i>General and Organic Biochemistry I Lecture</i>	3
3150:111	<i>General and Organic Biochemistry I Lab</i>	1
3150:112	<i>General and Organic Biochemistry II Lecture</i>	3
3150:113	<i>General and Organic Biochemistry II lab</i>	1
3750:230	Developmental Psychology	4
7760:316	Science of Nutrition	4
3470:250 or 3470:260	<i>Statistics for Everyday Life/Lab (Note b)</i> -OR- <i>Basic Statistics/ Lab</i>	4 or 3
3600:120	<i>Intro to Ethics</i>	3

If you have any questions about the prerequisites or the program, please contact the Accelerated Option Office.

Accelerated BSN

<http://www.uakron.edu/nursing/academic-programs/undergraduate-programs/second-degree-bsn.dot>

Summer Semester		Credit Hours
8200:211	Foundations of Nursing Practice I	5
8200:217	Pathophysiology for Nurses	3
8200:212	Foundations of Nursing Practice II	5
8200:225	Health Assessment	3
8200:230	Nursing Pharmacology	3
Total		19

Fall Semester		Credit Hours
8200:435	Nursing Research	2
8200:350	Nursing of the Childbearing Family	5
8200:370	Nursing Care of Older Adults	5
8200:341	Professional Role Development	3
Total		15

Spring Semester		Credit Hours
8200:360	Nursing Care of Adults	5
8200:380	Mental Health Nursing	5
8200:440	Nursing of Communities	5
Total		15

Summer Semester		Credit Hours
8200:401	RN Transition	1
8200:410	Nursing of Families with Children	5
8200:430	Nursing in Complex/Critical Settings	5
8200:450	Senior Practicum and Nursing Leadership	5
Total		16

Total Accelerated BSN credit hours: 65

Total credit hours for Accelerated BSN degree (including prerequisites): 96-99

Progression in the program: Due to the sequencing of the courses, continued progress is dependent upon maintaining a minimum 2.3 nursing GPA and successful completion of C or higher in each nursing course.

CHANGE OF REQUIREMENTS:

Without limiting the generality of its powers to alter, amend, or revoke rules and regulations, The University of Akron reserves the right to make changes in degree requirements of the student enrolled prior to the change by:

- Altering the number of credits and/or courses required in a major field of study
- Deleting courses
- Amending courses by increasing or decreasing the credits of specific courses
- Offering substitute courses in the same or cognate fields
- Changing the sequence of courses.

School of Nursing, Mary Gladwin Hall, Office of Success Center, Room 313, (330) 972-5103.

Minors

(Curriculum Guides)



Buchtel College of Arts and Sciences

Art - Myers School of (7100)

Minor: Art - History Emphasis (C10002M)

		Credits
7100:100	Survey of History of Art I	3
7100:101	Survey of History of Art II	3
7100:102	Survey of History of Art III	3
Nine credits from the following list:		
7000:401	History of Perf & New Media	3
7100:300	Art Since 1945	3
7100:301	Medieval Art	3
7100:302	Art in Europe- 17th-18th Cntry	3
7100:303	Italian Renaissance Art	3
7100:306	Renaissance Art in Nrth Europe	3
7100:307	History of Graphic Design	3
7100:309	Greek Art	3
7100:435	Contemporary Art Issues	3
7100:370	History of Photography	3
7100:401	ST: History of Art	1
7100:402	Museology	3
7100:403	Art and Critical Theory	3
7100:405	History of Art Symposium	1
7100:407	Methods of Art History	3
7100:313	Survey of Asian Art	3
7100:498	Senior Thesis: Hist of Art	1

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

Foundations curriculum need not be completed. Prerequisites must be honored.

The following credit hour requirement applies to this minor: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Art - Myers School of (7100)

Minor: Art - Printmaking (C10003M)

		Credits
Prerequisites:		
7100:131	Foundation Drawing I	3
7100:144	Foundation 2D Design	3
Required:		
7100:213	Introduction to Printmaking	3
7100:214	Relief/Screenprint	3
7100:216	Intaglio/Lithography	3
7100:317	Print Matrix	3
Two courses from the following:		
7100:317	Print Matrix	3
7100:418	Multiples and Multiplicity	3
7100:419	ST: Print	3

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
7100:317 Print Matrix, 7100:418 Multiples & Multiplicity and 7100:419 Special Topics in Print may be repeated.	
Foundations curriculum need not be repeated. Prerequisites must be honored.	
The following credit hour requirements apply to this minor: 24 credits with 2 courses at the 300/400 level. A 2.0 grade point average must be maintained.	

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Art - Myers School of (7100)

Minor: Art - Sculpture (C10005M)

		Credits
Select from the following for a total of 18 credits:		
7100:222	Introduction to Sculpture	3
7100:322	Sculpture II	3
7100:422	Advanced Sculpture	3
7100:323	Lost Wax Casting	3
7100:223	Sculpture: Stone	3
7100:224	Installation Art	3
One of the following courses may be included in the 18 credits:		
7100:254	Introduction to Ceramics	3
7100:266	Introduction to Metalsmithing	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
Foundations curriculum need not be completed. Prerequisites must be honored.
The following credit hour requirement applies to this minor: 21 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Art - Myers School of (7100)

Minor: Art - Ceramics (C10009M)

		Credits
7100:254	Introduction to Ceramics	3
7100:353	Throwing	3
Select one or both, repeating for a total of 12 credits:		
7100:454	Advanced Ceramics	3
7100:453	Advanced Throwing	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
Foundations curriculum need not be completed.
Prerequisites must be honored.
The following credit hour requirement applies to this minor: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Art - Myers School of (7100)

Minor: Art - Drawing (C10100M)

		Credits
7100:131	Foundation Drawing I	3
7100:233	Foundation Life Drawing	3
7100:231	Intermediate Drawing	3
Select 3 courses from the following:		
7100:283	Drawing Techniques	3
7100:335	Intermediate Life Drawing	3
7100:450	Advanced Life Drawing	3
7100:489	ST: Studio Art	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
7100:489 Special Topics must be in Drawing.
Foundations curriculum need not be completed. Prerequisites must be honored.
The following credit hour requirement applies to this minor: 18 credits.

Guide Updated: 10-30-2014



Buchtel College of Arts and Sciences

Art - Myers School of (7100)

Minor: Art - Painting (C10101M)

		Credits
7100:243	Introduction to Painting	3
Take two times for a total of 6 credits:		
7100:348	Intermediate Painting	3
Select one:		
7100:231	Intermediate Drawing	3
7100:246	Intro: Water-based Media	3
7100:335	Intermediate Life Drawing	3
Select two of the following:		
7100:450	Advanced Life Drawing	3
7100:455	Advanced Painting	3
7100:489	ST: Studio Art	3

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
Foundations curriculum need not be completed. Prerequisites must be honored.	
The following credit hour requirement applies to this minor: 18 credits.	

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Art - Myers School of (7100)

Minor: Art - Metalsmithing (C10102M)

		Credits
7100:266	Introduction to Metalsmithing	3
7100:268	Color in Metals	3
7100:366	Metalsmithing II	3
7100:368	Color in Metals II	3
7100:466	Advanced Metalsmithing	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
7100:466 Advanced Metalsmithing must be repeated for another 3 credits.
Foundations curriculum need not be completed. Prerequisites must be honored.
The following credit hour requirement applies to this minor: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Art - Myers School of (7100)

Minor: Art - Photography (C10103M)

		Credits
Select from the following:		
7100:275	Introduction to Photography	3
7100:276	Intro: Commercial Photography	3
7100:370	History of Photography	3
7100:375	Photography II	3
7100:475	Advanced Photography	3
7100:479	Prof Photographic Practices	3
7100:473	Photography III: Color	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
7100:475 Advanced Photography may be repeated.
Foundations curriculum need not be completed. Prerequisites must be honored.
The following credit hour requirement applies to this minor: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Art - Myers School of (7100)

Minor: Computer Imaging (C10107M)

		Credits
Select one:		
7100:185	Intro: Computer Graphics	3
7100:289	Production 1	3
Required:		
7100:280	Digital Imaging	3
7100:383	Multimedia Production	3
Nine credits from the following:		
7100:281	Design for the Web & Devices I	3
7100:381	Digital Imaging II	3
7100:385	Computer 3-D Model/Animation	3
7100:486	Interact Multimedia Developmt	3
7100:489	ST: Studio Art	3

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
7100:489 ST: Studio Art topic options are: Computer Imaging Course and Game Design. One or both may be included in the 9 credit requirement.	
Foundations curriculum need not be completed. Prerequisites must be honored.	
The following credit hour requirement applies to this minor: 18 credits.	

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Art - Myers School of (7100)

Minor: Illustration (C10108M)

		Credits
Select one:		
7100:185	Intro: Computer Graphics	3
7100:289	Production 1	3
Required:		
7100:283	Drawing Techniques	3
7100:335	Intermediate Life Drawing	3
7100:484	Illustration	3
Take two times for a total of 6 credits:		
7100:485	Advanced Illustration	3

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
7100:485 Advanced Illustration must be taken two times for a total of 6 credits.	
Foundations curriculum need not be completed. Prerequisites must be honored.	
The following credit hour requirement applies to this minor: 18 credits.	

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Art - Myers School of (7100)

Minor: Professional Photography (C10109M)

		Credits
Required core courses:		
7100:275	Introduction to Photography	3
7100:276	Intro: Commercial Photography	3
7100:280	Digital Imaging	3
7100:318	Portrait Lighting	3
7100:320	Product Photography	3
7100:479	Prof Photographic Practices	3
Select one:		
7100:185	Intro: Computer Graphics	3
7100:289	Production 1	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
Foundations curriculum need not be completed. Prerequisites must be honored.
The following credit hour requirement applies to this minor: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Art - Myers School of (7100)

Minor: Photography for Non-Art Majors (C10110M)

		Credits
7100:274	Photography I - Non-Art Majors	3
7100:374	Photography II Non-Art Majors	3
7100:474	Adv Photography Non-Art Majors	3
Select 3 courses from the following:		
7100:370	History of Photography	3
7100:276	Intro: Commercial Photography	3
7100:473	Photography III: Color	3
7100:474	Adv Photography Non-Art Majors	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
7100:474 Advanced Photography for Non-art majors may be repeated.
Foundations curriculum need not be completed. Prerequisites must be honored.
The following credit hour requirement applies to this minor: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Art - Myers School of (7100)



Minor: New Media (C10300M)

Any courses that count toward the student's major may not be counted toward this minor if the student is a Communication Major.

		Credits
Required Courses:		
7000:100	Intro New Media: Creative Mind	3
7000:300	New Media II:Creative Practice	3
7000:400	New Media III:Creative Proj	3
9 credits from the following areas:		
Art History		
7000:401	History of Perf & New Media	3
Foundation		
7100:144	Foundation 2D Design	3
7100:145	Foundation 3D Design	3
Graphic Design		
7100:185	Intro: Computer Graphics	3
7100:383	Multimedia Production	3
Sculpture		
7100:222	Introduction to Sculpture	3
Drawing		
7100:231	Intermediate Drawing	3
Photography		
7100:274	Photography I - Non-Art Majors	3
7100:275	Introduction to Photography	3
7100:276	Intro: Commercial Photography	3
7100:318	Portrait Lighting	3
7100:320	Product Photography	3
7100:375	Photography II	3
7100:374	Photography II Non-Art Majors	3
7100:475	Advanced Photography	3
7100:474	Adv Photography Non-Art Majors	3
Digital Imaging		
7100:280	Digital Imaging	3
7100:381	Digital Imaging II	3
Communication		
7600:null	null	3
7600:null	null	3
7600:284	Legal Issues in Media	3
7600:368	Basic Audio & Video Editing	3
7600:372	Video Production	3

7600:null	null	3
Music		
7500:453	Music Software Survey/Use	2
Dance/ Theatre		
7800:274	Digital Technology for Theatre	3
7800:262	Stage Makeup	3
7800:306	Stage Costume Design	3
7800:336	Scenic Design	3
7800:355	Stage Lighting Design	3
7920:274	Digital Technology for Dance	3
Computer Science		
3460:101	Essentials of Computer Science	3
3460:289	Sel T: Computer Science	1
3460:307	Internet Systems Programming	3
3460:457	Computer Graphics	3
3460:489	T: Computer Science	1
Special Topics/ Independent Study: The following Special Topics/ Independent Study classes may be used as electives with an appropriate new media topic and permission of the new media faculty advisor.		
7100:489	ST: Studio Art	3
7500:497	Indp Study: Music	1
7600:450	ST: Communication	3
7800:403	ST: Theatre Arts	1
7900:403	ST: Dance	1
3460:498	Sr Honors Proj in Comp Science	1
3460:489	T: Computer Science	1

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
The following credit hour requirement applies to this minor: 18 credits.	

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Family and Consumer Sciences- School of (7400)

Minor: Fashion (H40205M)

		Credits
7400:139	Fashion & Furnish Industries	3
7400:219	Dress and Culture	3
7400:225	Textiles	3
7400:438	History of Fashion	3
7400:439	Fashion Analysis	3
Select one:		
7400:352	Strategic Merchandise Planning	3
7400:226	Textile Evaluation	3

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

The following credit hour requirement applies to this minor: 18 credits.

Guide Updated: 08-22-2013

Effective: Spring 2018
 Updated: 3/23/18



Buchtel College of Arts and Sciences CHILD AND FAMILY DEVELOPMENT Family Development MINOR – H40206M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Family Development” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
3760:201	Courtship, Marriage & Family Relations	3	
3760:265	Child Development	3	
12 credits may be selected from the following (6 credits must be at 300/400 level):			
3760:255	Fatherhood: Parent Role	3	3760:201 or 3760:265
3760:300	Legal Environment of Families	3	
3760:360	Parent-Child Relations	3	3760:265
3760:362	Family Life Management	3	
3760:401	American Families in Poverty	3	3760:201 or 3760:265, and senior status.
3760:404	Middle Childhood and Adolescence	3	3760:201 and 3760:265 or perm of instructor.
3760:440	Family Crisis	3	
3760:441	Family Relationships in Middle and Later Years	3	
3760:442	Human Sexuality	3	3760:201 or permission of instructor.
3760:446	Culture, Ethnicity & Family	3	3760:201 or 3760:265, and senior status.
3760:496	Parent Education	3	3760:265, comparable course or permission of instructor.
Total Credits for Minor		18	

NOTE: See school director for level placement in 3760:360, 404, 442, and 496.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

Dr. Shannon Zentall
 Associate Professor, Child & Family
 Development
 330-972-6049
 szentall@uakron.edu

Effective: Spring 2018
Updated: 3/23/18



Buchtel College of Arts and Sciences CHILD AND FAMILY DEVELOPMENT Child Development MINOR – H40207M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Child Development” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
3760:201	Courtship, Marr & Fam Relation	3	
3760:265	Child Development	3	
12 credits may be selected from the following (at minimum 6 credits must be at 300/400 level):			
3760:255	Fatherhood: Parent Role	3	3760:201 or 3670:265
3760:270	Theory & Guidance of Play	3	3760:265
3760:280	Early Childhood Curriculum Methods	3	3760:265
3760:360	Parent-Child Relations	3	3760:265
3760:365	Infant, Family and Society	3	3760:265
3760:401	American Families in Poverty	3	3760:201 or 3760:265
3760:404	Middle Childhood & Adolescence	3	3760:201 or 3760:265
3760:446	Culture, Ethnicity & Family	3	3760:201 or 3760:265
3760:460	Org & Supervision of Child Care Centers	3	
3760:496	Parent Education	3	3760:265
Total Credits for Minor		18	

NOTE: A minor in Child Development may only be awarded at the time a student receives a baccalaureate degree.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

Dr. Shannon Zentall
Associate Professor, Child & Family
Development
330-972-6049
szentall@uakron.edu



Buchtel College of Arts and Sciences

Family and Consumer Sciences- School of (7400)

Minor: Consumer Services (H40300M)

		Credits
7400:300	Legal Environment of Families	3
7400:301	Consumer Education	3
7400:303	Children As Consumers	3
7400:362	Family Life Management	3
7400:401	American Families in Poverty	3
7400:406	Family Financial Management	3

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

Prerequisites must be honored.

The following credit hour requirement applies to this minor: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Music - School of (7500)

Minor: Music - Arts (C50001M)

		Credits
7500:121	Theory & Musicianship I	4
7500:122	Theory & Musicianship II	4
Select one:		
7500:351	Music History I	3
7500:352	Music History II	3
2 credits of 7500:300/ 400 level		
4 credits of 7510:xxx (four semesters in a major conducted ensemble)		
8 credits of 7520:xxx Applied Music (This requirement must be satisfied in four separate semesters. In order to complete the Minor in Music, the student must successfully jury to the 200 level.)		

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirement applies to this minor: 25 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Music - School of (7500)

Minor: Music - Jazz (C50007M)

		Credits
7500:210	Jazz Improvisation I	2
7500:211	Jazz Improvisation II	2
7500:212	Music Ind:Surv Pracs &Opportun	2
7500:307	Techn Jazz Ensmbl Perfor & Dir	1
7500:308	History & Literature of Jazz	3
7500:497	Indp Study: Music	1
7510:115	Jazz Ensemble	1
7520:xxx Applied Jazz Study		

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

4 credits of 7510:115 Jazz Ensemble and 8 credits of 7520:xxx Applied Jazz Study are needed.

The following credit hour requirement applies to this minor: 25 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Communication - School of (7600)

Minor: Mass Media - Communication (C60001M)

The minors offered in the School of Communication are designed for non-communication majors only.

		Credits
Course required:		
7600:null	null	3
Required (select one):		
7600:null	null	3
7600:null	null	3
Select 12 credits (at least 3 credits at the 300/400-level) from the following:		
7600:null	null	3
7600:284	Legal Issues in Media	3
7600:null	null	3
7600:300	Newswriting Across the Media	3
7600:301	Advanced Newswriting	3
7600:null	null	3
7600:304	Information Gathering/Editing	3
7600:null	null	3
7600:368	Basic Audio & Video Editing	3
7600:372	Video Production	3
7600:null	null	3
7600:378	T: Media History	3
7600:null	null	3
7600:null	null	3
7600:null	null	3
7600:408	Women, Minorities & News	3
7600:null	null	3
7600:468	Advanced Audio & Video Editing	3
7600:486	Media Management & Leadership	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirement applies to this minor: 18 credits.

Effective: Fall 2016
Last Updated: 11/15/16



Buchtel College of Arts and Sciences COMMUNICATION News MINOR – C60007M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Communication - News” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
Required:			
7600:274	Introduction to the Media Industries	3	
7600:284	Legal Issues in Media	3	
7600:300	Newswriting Across the Media	3	3300:111 or permission
7600:304	Information Gathering & Editing	3	
Select 6 credits:			
7600:317	Topics in Media Production	3	
7600:487	Advanced Topics in Media Writing	3	7600:300
	Total Credits for Minor	18	

NOTES: A minor in Communication - News may only be awarded at the time a student receives a Baccalaureate degree.

7600:317 and 7600:487 may be repeated with a change of topic.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

Dr. Val Pippas
pippas@uakron.edu
330-972-7208

Effective: Spring 2016
Last Updated: 11/4/16



Buchtel College of Arts and Sciences COMMUNICATION Public Relations MINOR – C60100M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Communication - Public Relations” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
Required:			
7600:219	Introduction to Public Relations	3	
7600:406	Advanced Public Relations Theory	3	7600:219
Select 12 credits from the following:			
7600:209	Principles of Social Media	3	
7600:303	Public Relations Writing	3	7600:219 (prerequisite or corequisite)
7600:309	Public Relations Publications	3	
7600:404	Public Relations Cases	3	7600:219 (prerequisite or corequisite)
7600:409	Public Relations Strategic Campaigns	3	7600:219
7600:450	ST: Communications	3	
Total Credits for Minor		18	

NOTES: A minor in Communication - Public Relations may only be awarded at the time a student receives a Baccalaureate degree.

7600:450 Special Topics needs to be in Public Relations

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

Dr. Julia Spiker

jspiker@uakron.edu

330-972-7198

Effective: Fall 2016
Last Updated: 11/15/16



Buchtel College of Arts and Sciences COMMUNICATION Organizational Communication MINOR – C60101M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Communication - Organizational Communication” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
Required:			
7600:305	Communication Theory	3	7600:101
7600:435	Organizational Communication	3	7600:101
7600:436	Analyzing Organizational Communication	3	7600:384 and 7600:435
Select 9 credits from the following (at least 3 credits must be 300/400 level):			
7600:235	Interpersonal Communication	3	
7600:325	Intercultural Communication	3	
7600:344	Small Group Communication	3	Junior standing
7600:345	Advanced Presentational Communication	3	7600:245 and [7600:105 or 7600:106]
7600:437	Training Methods in Communication	3	7600:345
7600:450	ST: Communication	3	
Total Credits for Minor		18	

NOTES: A minor in Communication - Organizational Communication may only be awarded at the time a student receives a Baccalaureate degree.

Prior to enrolling in 7600:450, approval must be given by School Director.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT
Dr. Mary Triece
mtriece@uakron.edu
330-972-6222

Effective: Fall 2016
Last Updated: 11/15/16



Buchtel College of Arts and Sciences COMMUNICATION Public Communication MINOR – C60102M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Communication - Public Communication” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
Required:			
7600:305	Communication Theory	3	7600:101
Select 15 credits from the following (at least 6 credits must be 300/400 level):			
7600:245	Argumentation	3	
7600:252	Persuasion	3	
7600:260	Theories of Rhetoric	3	7600:101
7600:345	Advanced Presentational Communication	3	7600:245 and [7600:105 or 7600:106]
7600:355	Freedom of Speech	3	
7600:356	Rhetorical Criticism	3	7600:260
7600:450	ST: Communication	3	
7600:457	Rhetoric in Contemporary Culture	3	7600:260 and 7600:356
7600:475	Political Communication	3	
Total Credits for Minor		18	

NOTES: A minor in Communication - Public Communication may only be awarded at the time a student receives a Baccalaureate degree.

Prior to enrolling in 7600:450, approval must be given by School Director.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT
Dr. Mary Triece
mtreeice@uakron.edu
330-972-6222

Effective: Fall 2016
Last Updated: 11/15/16



Buchtel College of Arts and Sciences COMMUNICATION Media Productions MINOR – C60105M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Communication - Media Productions” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
Required:			
7600:368	Basic Audio and Video Editing	3	
7600:372	Video Production	3	7600:368 (prerequisite or corequisite)
7600:481	Film as Art: An Introduction to the Film Form	3	
Select 9 credits:			
7600:228	ZTV	1	
7600:230	WZIP-FM	1	
7600:274	Introduction to the Media Industries	3	
7600:284	Legal Issues in Media	3	
7600:317	Topics in Media Production	3	
7600:468	Advanced Audio and Video Editing	3	7600:368 and 7600:372
Total Credits for Minor		18	

NOTES: A minor in Communication - Media Productions may only be awarded at the time a student receives a Baccalaureate degree.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT
Dr. Val PIPPS
pipps@uakron.edu
330-972-7208



Buchtel College of Arts and Sciences

Communication - School of (7600)

Minor: Media History (C60106M)

The minors offered in the School of Communication are designed for non-communication majors only.

		Credits
Required:		
7600:null	null	3
7600:null	null	3
7600:null	null	3
Select 9 credits from the following:		
7600:284	Legal Issues in Media	3
7600:378	T: Media History	3
7600:355	Freedom of Speech	3
7600:408	Women, Minorities & News	3
7600:481	Film As Art: Intr to Film Form	3

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
The following credit hour requirement applies to this minor: 18 credits.	

Guide Updated: 08-23-2013

Effective: Fall 2016
Last Updated: 11/15/16



Buchtel College of Arts and Sciences COMMUNICATION Interpersonal/Group Communication MINOR – C60107M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Communication - Interpersonal/Group Communication” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
Required:			
7600:235	Interpersonal Communication	3	
7600:305	Communication Theory	3	7600:101
7600:344	Small Group Communication	3	Junior standing
Select 9 credits from the following (at least 3 credits must be 300/400 level):			
7600:226	Interviewing	3	
7600:227	Non-Verbal Communication	3	
7600:245	Argumentation	3	
7600:252	Persuasion	3	
7600:325	Intercultural Communication	3	
7600:450	ST: Communication	3	
Total Credits for Minor		18	

NOTES: A minor in Communication - Interpersonal/Group Communication may only be awarded at the time a student receives a Baccalaureate degree.

Prior to enrolling in 7600:450, approval must be given by School Director

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT
Dr. Mary Triece
mtriece@uakron.edu
330-972-6222

Effective: Fall 2016
Updated: 9/29/16



Buchtel College of Arts and Sciences THEATRE THEATRE ARTS MINOR – C80002M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Theatre Arts” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
7800:100	Experiencing Theatre	3	
7800:108	Introduction to the Visual Arts of World Theatre	3	
7800:172	Acting I	3	
7800:264	Playscript & Performance Analysis	3	
Electives (or others as approved by advisor): A minimum of 6 credits must be at the 300/400 level			
7800:335	History of Theatre and Dramatic Literature I	3	7800:100
7800:336	Scenic Design for Performing Arts & Media	3	7800:108
7800:355	Lighting Design and Technology	3	7800:108
7800:370	Directing I	3	7800:100, 7800:172 & 7800:264
7800:373	Acting II	3	7800:172
7800:435	History of Theatre and Dramatic Literature II	3	7800:335
7800:455	Creating Performance	3	
7800:467	Multi-Cultural Theatre	3	
7800:476	Theatre and Community Action	3	
Total Credits for Minor		18	

NOTE: A minor in Theatre Arts may only be awarded at the time a student receives a baccalaureate degree.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

James Slowiak
Professor, Theatre Arts
330-972-5909
slowiak@uakron.edu

Effective: Fall 2016
Updated: 12/20/16



Buchtel College of Arts and Sciences

DANCE

DANCE, THEATRE, & ARTS ADMIN.

MINOR - C8002M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Dance” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
Choose one to two ballet technique classes for a minimum of 4 credits (see school director for placement):			
7900:124	Ballet I	2	
7900:125	Ballet II (see notes)	2	7900:124 w/ grade of B or better
7900:224	Ballet III (see notes)	3	7900:125 w/ grade of B or better
7900:225	Ballet IV (see notes)	3	7900:224 w/ grade of B or better
7900:122	Ballet V (see notes)	4	7900:225 w/ grade of B+ or better
7900:222	Ballet VI (see notes)	4	7900:122 w/ grade of B+ or better
7900:322	Ballet VII (see notes)	4	7900:222 w/ grade of B+ or better
7900:422	Ballet VIII (see notes)	4	7900:322 w/ grade of B+ or better
Choose two modern dance classes for a minimum of 4 credits (see school director for placement):			
7900:119	Modern I	2	
7900:120	Modern II (see notes)	2	7900:119 w/ grade of B or better
7900:219	Modern III (see notes)	2	7900:120 w/ grade of B or better
7900:220	Modern IV (see notes)	2	7900:219 w/ grade of B or better
7900:228	Modern V (see notes)	3	7900:220 w/ grade of B or better
7900:229	Modern VI (see notes)	3	7900:228 w/ grade of B or better
7900:328	Modern VII (see notes)	3	7900:229 w/ grade of B or better
7900:329	Modern VIII (see notes)	3	7900:229 w/ grade of B or better
Choose one jazz or tap class for a minimum of 2 credits (see school director for placement):			
7900:130	Jazz Dance I	2	
7900:230	Jazz Dance II	2	7900:130 w/ grade of B or better
7900:351	Jazz Dance III	2	7900:230 w/ grade of B or better
7900:451	Jazz Dance IV	2	7900:351 w/ grade of B or better
7900:144	Tap Dance I	2	
7900:145	Tap Dance II	2	7900:144 w/ grade of B or better
7900:246	Tap Dance III	2	7900:145 w/ grade of B or better
7900:347	Tap Dance IV	2	7900:246 w/ grade of B or better

Choose one somatics class for a minimum of 1 credit:			
7900:101	Dance Somatics: Yoga	1	7900:125 or 7900:120 (or higher levels of ballet or modern dance technique)
7900:102	Dance Somatics: Pilates	1	7900:125 or 7900:120 (or higher levels of ballet or modern dance technique)
7900:104	Dance Somatics: Gyrokinesis	1	7900:125 or 7900:120 (or higher levels of ballet or modern dance technique)
7900:105	Dance Somatics: Alexander Technique	1	7900:125 or 7900:120 (or higher levels of ballet or modern dance technique)
Choose one world dance or ballroom class for a minimum of 1 credit:			
7900:111	T: World Dance	1	7900:120 or 7900:125, or higher levels of ballet or modern dance technique
7900:150	Ballroom Dance I	1	
Choose one class for a minimum of 1 credit:			
7900:115	Dance as an Art Form	2	
7900:200	Viewing Dance	3	3400:210 or 3400:221
Dance Lecture Classes - Choose from the following (or others approved by advisor) for a minimum of 6 credits:			
7900:316	Choreography I	2	7900:220 or higher level of modern technique
7900:321	Rhythmic Analysis - Dance	2	32 credits and [7900:120 or 7900:125], (or higher levels of ballet or modern dance technique)
7900:361	Learning Theory for Dance	2	7900:115 and 7900:224 (or higher levels of ballet or modern dance technique) and [3750:100 or 5100:220]
7900:432	History of Ballet	2	7900:115 or 7900:200
7900:433	Dance History: 20th Century	2	7900:115 or 7900:200
Total Credits for Minor		20	

NOTE: A minor in Dance may only be awarded at the time a student receives a baccalaureate degree.

6 credits must come from 300/400 level courses

Dance minors must complete at least one semester of Ballet II and Modern II or higher

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

Ms. Cydney Spohn, professor, Dance

cydney@uakron.edu

x8465



Office of Academic Affairs

Military Science (1600)



Minor: Military Studies - Military Science (160000M)

In addition to earning a minor in Military Science, Army ROTC classes and leadership training will help students sharpen their written and oral briefing skills, as well as give them the tools to help them succeed in school and in their future careers. We emphasize the practical application of leadership skills through classroom, lab and military training that will improve student self-confidence and management abilities. Students can earn this minor even though they are not part of the Army ROTC program; however, being in Army ROTC entitles students to participate in the more advanced leadership training opportunities, apply for tuition and room and board scholarships, and opens the door to an unparalleled opportunity to serve your country in the most respected institution in the nation - America's Military. Students may select from the following list of courses. Corresponding lab courses must be taken in conjunction with the military science course.

		Credits
1100:205	Leadership Prncpls & Practices	2
1600:100	Leadership & Personal Develop	2
1600:110	Leadership & Personal Dev Lab	1
1600:101	Intro: Tactical Leadership	2
1600:111	Intro: Tactical Leadership Lab	1
1600:200	Innovative Team Leadership	2
1600:210	Innovative Team Leadership Lab	1
1600:201	Foundations of Tactical Ldrshp	2
1600:211	Foundts of Tactical Ldrshp Lab	1
1600:300	Adaptive Team Leadership	3
1600:310	Adaptive Team Leadership Lab	1
1600:301	Leadership Under Fire	3
1600:311	Leadership Under Fire Lab	1
1600:400	Developing Adaptive Leaders	3
1600:410	Developng Adaptive Leaders Lab	1
1600:401	Leadership in a Complex World	3
1600:411	Ldrshp in a Complex World Lab	1
1600:490	ST: Military Science	1

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

At least 12 credits must be taken at the 300/400 level. With the approval of the Professor of Military Science, substitution of other military-related coursework/credit may be made for up to 6 credits (by exception). This minor may only be awarded at the time a student receives a baccalaureate degree. The total credit hour requirement for this minor is 18 credits.

Effective: Fall 2008
Last Updated: 7/1/14



College of Applied Science and Technology FIRE PROTECTION MINOR – 223001M

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Fire Protection” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2230:100	Introduction to Fire Protection	4	
2230:102	Fire Safety in building Design & Construction	3	
2230:104	Fire Investigation Methods	4	
2230:204	Fire & Life Safety Education (note a)	3	
2230:205	Fire Detection and Suppression Systems	3	
Total Credits for Minor		17	

NOTE: A minor in Fire Protection may only be awarded at the time a student receives a baccalaureate degree.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

NOTES

- a. Traditionally Spring only (See program contact)

PROGRAM CONTACT

Ohio Board of Regents Validation Center Coordinator and Lead Faculty Member – Mr. Dennis Ragins MPA, EMTP, The Polsky Building 161, 330-972-2051 or dragins@uakron.edu

College of Applied Science and Technology

EMERGENCY MANAGEMENT & HOMELAND SECURITY MINOR – 223500M

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

This discipline of emergency management continues to evolve, becoming more complex. There is a demand for well-educated individuals in both the private and public sectors.

This minor allows students in other disciplines to incorporate an emergency management background with their degree program. Some of the disciplines that complement a minor in Emergency Management include communications, computer information sciences, political science, geography, public health, sociology and business. The courses offered will provide Emergency Management foundations useful in many careers and disciplines.

The following courses constitute a “Minor in Emergency Management & Homeland Security” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2235:305	Principles of Emergency Management	3	
2235:350	Disaster Preparedness and Response	3	2235:305
2235:370	Hazard Science and Management	3	
2235:xxx	Emergency Management Electives	9	
Total Credits for Minor		18	

Emergency Management Electives		Credit Hours	
2235:425	Private Sector Disaster Applications	3	2235:305
2235:340	Disaster Research Methods	3	
2235:360	Introduction to Terrorism (note a)	3	
2235:420	Disaster Vulnerability (note b)	3	2235:305
2235:285	Disasters in Film and Media	3	
2235:401	Crisis Leadership	3	
2235:365	Disaster Mitigation	3	2235:305
2235:367	Disaster Recovery	3	
2235:490	Current Topics in Emergency Management	3	2235:305 & 350

NOTE: A minor in Paralegal Studies may only be awarded at the time a student receives a baccalaureate degree.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

NOTES

- a. Traditionally Fall only (See Program Contact)
- b. Traditionally Spring only (See program contact)

PROGRAM CONTACT

Dr. Stacy Willett, at 330-972-8317, POLSKY 161; e-mail at smuffet@uakron.edu

Effective: Fall 2010
Last Updated: 1/6/16



College of Applied Science and Technology COMPUTER FORENSICS MINOR – 225001M

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Computer Forensics Minor provides an educational foundation in both the legal and technical aspects of computer crime investigation. Students explore the criminology of high technology crime, criminal law as it applies to digital evidence, the investigative process, and professional communication. Students will gain hands-on experience with contemporary forensic tools and receive technical instruction in computer hardware, networks, and operating systems. Individuals working in the legal and investigative fields that seek to enhance their technical skills and beginners with a general interest in the subject area are welcome.

The following courses constitute a “Minor in Computer Forensics” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
3800:100	Introduction to Criminal Justice	3	
3800:280	Cybercrime	3	
2440:145	Introduction to Unix/Linux	3	
2440:201	Networking Basics	3	
3800:281	Computer Forensic Methods	3	3800:100 or 3800:101
3800:286	Courtroom Communication	3	3800:100
2440:247	Hardware Support	3	
Total Credits for Minor		21	

Pre-req for the computer courses is 2440:105 – Introduction to Computers and Application Software or a placement test.

NOTE: A minor in Computer Forensics may only be awarded at the time a student receives a baccalaureate degree.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

Stanley Smith, Polsky 161, 330-972-6950, shsmith@uakron.edu

Effective: Fall 2010
Last Updated: 1/6/16



College of Applied Science and Technology COMPUTER SECURITY MINOR – 225002M

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Computer Security Minor provides an educational foundation in the policy, management, and technical aspects of computer and information security. Students explore the criminology of high technology crime, the legal aspects of information security, the investigative process, and basic digital forensic methods. In addition, students will receive technical instruction in computer hardware and networking. Individuals working in security and investigative fields that seek to enhance their technical skills and beginners with a general interest in the subject area are welcome.

The following courses constitute a “Minor in Computer Security” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
3800:101	Introduction to Security Administration Technology	3	
3800:234	Computer and Information Security	3	3800:101
3800:280	Cybercrime	3	
2440:201 -OR- 2440:281	Networking Basics Microsoft Networking I	3	
2440:202 -OR- 2440:282	Router and Routing Basics Microsoft Networking II	3	2440:201
2440:247	Hardware Support	3	
3800:281	Computer Forensic Methods	3	3800:100 or 3800:101
Total Credits for Minor		21	

Pre-req for the computer courses is 2440:105 – Introduction to Computers and Application Software or a placement test.

NOTE: A minor in Computer Security may only be awarded at the time a student receives a baccalaureate degree.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

Stanley Smith, Polsky 161, 330-972-6950, shsmith@uakron.edu



College of Applied Science and Technology

Community Services Tech (2260)

Minor: Community Services Technology (226000M)

		Credits
Required core courses:		
2040:240	Human Relations	3
2260:null	null	3
2260:150	Introduc to Gerontolgcl Serv	3
2260:null	null	3
2260:null	null	3
2260:278	Techniques of Community Work	4

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
All prerequisites must be honored. Click here to find course information (including prerequisites and corequisites). Contact Summit College Academic Advising for questions or more information.
The following credit hour requirements apply to this minor: 19 credits. A minor will be placed on the student's record only at the time the student receives a baccalaureate degree; a minimum grade point average of 2.0 in each minor is required.

Guide Updated: 08-28-2013



College of Health Professions

Social Work - School of (7750)

Minor: Addiction Services (226105M)

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		Credits
Required core courses:		
7750:260	Introduction to Addiction	3
7750:240	Drug Use and Abuse	3
7750:267	Addic Assess & Treat Plan	3
7750:261	Addiction Treatment	4
7750:286	Addiction Services Internship	2
Select 5 credits of 7750 electives. See advisor for options.		

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
All prerequisites must be honored. Click here to find course information (including prerequisites and corequisites). Contact Summit College Academic Advising for questions or more information.
The following credit hour requirements apply to this minor: 20 credits. A minor will be placed on the student's record only at the time the student receives a baccalaureate degree; a minimum grade point average of 2.0 in each minor is required.

Guide Updated: 12-03-2014

Effective: Spring 2016
Last Updated: 1/8/16



College of Applied Science and Technology HOSPITALITY MANAGEMENT – HOTEL/LODGING MANAGEMENT MINOR – 228003M

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Hospitality Management – Hotel/Lodging Management” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2280:101	Introduction to Hospitality	3	
2280:120	Safety and Sanitation	1	
2280:232	Dining Room Service and Training	3	
2280:250	Front Office Operations	3	2280:101, 2030:161, 2420:211
2280:280	Special Events Management	3	2280:101, 2280:232
	Total Credits for Minor	*13	

***Seven (7) credits of prerequisite courses are not in the course requirements and if you have not already taken them, the total credits for the certificate becomes 20.**

NOTE: A minor in Hospitality Management may only be awarded at the time a student receives a baccalaureate degree.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

STUDENTS MUST ACHIEVE A “C” OR BETTER IN EACH COURSE IN THEIR MAJOR AREA (2280).

PROGRAM CONTACT

Jamal Feerasta, Polsky Building M181, 330-972-6601, jamal@uakron.edu

Effective: Spring 2016
Last Updated: 1/8/16



College of Applied Science and Technology HOSPITALITY MANAGEMENT CULINARY ARTS MINOR – 228004M

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Hospitality Management – Culinary Arts” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2280:101	Introduction to Hospitality	3	
2280:120	Safety and Sanitation	1	
2280:121	Fundamentals of Food Preparation I	4	2280:120 (coreq. or prereq.)
2280:122	A La Carte Cooking	4	2280:101, 120, 121
2280:245	Menu, Purchasing and Cost Control	4	2280:101; 2030:161
2280:261	Baking and Classical Desserts	4	2280:121
	Total Credits for Minor	*20	

***Four (4) credits of prerequisite courses are not in the course requirements and, if you have not already taken them, the total credits for the minor becomes 24.**

NOTE: A minor in Hospitality Management may only be awarded at the time a student receives a baccalaureate degree.

STUDENTS MUST ACHIEVE A “C” OR BETTER IN EACH COURSE IN THEIR MAJOR AREA (2280).

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

Jamal Feerasta, Polsky Building M181, 330-972-6601, jamal@uakron.edu

Effective: Spring 2016
Last Updated: 2/22/16



College of Applied Science and Technology HOSPITALITY MANAGEMENT – RESTAURANT MANAGEMENT MINOR – 228006M

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Hospitality Management – Restaurant Management” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2280:101	Introduction to Hospitality	3	
2280:120	Safety and Sanitation	1	
2280:121	Fundamentals of Food Preparation I	4	2280:120 (coreq. or prereq.)
2280:160	Wine and Beverage Service	3	
2280:232	Dining Room Service and Training	3	
2280:245	Menu, Purchasing and Cost Control	4	2280:101; 2030:161
	Total Credits for Minor	18*	

***Four (4) credits of prerequisite courses are not in the course requirements and, if you have not already taken them, the total credits for the minor becomes 22.**

Students must achieve a “C” or better in each course in their major area (2280).

NOTE: A minor in Hospitality Management may only be awarded at the time a student receives a baccalaureate degree.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

Jamal Feerasta, Polsky Building M181, 330-972-6601, jamal@uakron.edu

College of Applied Science and Technology
Business Management Technology
 Minor (242002M)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

This minor is intended to promote understanding of the basic aspects of business formation and operation. This minor may be earned together with a baccalaureate degree.

The following courses constitute a "Minor in Business Management Technology" and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student's record.

√	Courses		Credits	Prerequisites
	2040:247	Survey of Basic Economics	3	
	2420:103	Essentials of Management Technology	3	
	2420:104	Introduction to Business in a Global Environment	3	
	2420:211	Basic Accounting I	3	
	2420:270	Business Software Applications	3	2440:105
	2420:xxx	Business Management Technology Elective	3	
Total Credits for Minor			18	

Electives

√	Courses		Credits	Prerequisites
	2420:202	Elements of Human Resource Management -OR-	3	2420:103 or permission
	2420:213	Essentials of Managerial Accounting -OR-	3	2420:211
	2420:243	Survey of Finance -OR-	3	2420:211
	2420:280	Essentials of Business Law -OR-	3	
	2520:101	Essentials of Marketing Technology	3	

Students entering the Business Management Technology programs (bachelor's degree, associate degree, certificate, and minor) must pass department placement exams or complete the following bridge course prior to enrolling in the program.

Bridge Course: 2440:105 Introduction to Computers & Application Software, 3 credits

NOTE: A minor in Business Management Technology may only be awarded at the time a student receives a baccalaureate degree.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

Students must achieve a "C" or better in each course in their major area (2420).

Program Contact

- Susan Pope, Polsky Building M185K, 330-972-6597, spope@uakron.edu
- CAST Advising, Polsky Building Room 203, 330-972-7220

Effective: Spring 2016
 Last Updated: 3/2/16



College of Applied Science and Technology

COMPUTER INFORMATION SYSTEMS

Programming Specialist Minor 244106M

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

The following courses constitute a “Minor in CIS – Programming and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2440:121	Introduction to Logic/Programming	3	*
2440:160	Java Programming	3	2440:121
2440:170	Visual Basics	3	2440:121
2440:180	Database Concepts	3	2440:121
2440:256	C++ Programming	3	
2440:xxx	Computer Information Systems Electives	6	
Total		21	

Electives		Credit Hours	
2440:140	Internet Tools	3	*
2440:145	Introduction to Unix/Linux	3	*
2440:210	Client/Server Programming	3	2440:180
2440:211	Interactive Web Programming	3	
2440:241	Systems Analysis and Design	3	2440:170, 180
2440:290	Special Topics	1 – 3	Permission

	Total Credits for Minor	21	
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Students must pass a placement test or take 2440:105 Introduction to Computers & Application Software before taking the core certificate courses.

Students must achieve a “C” or better in their technical courses (2440).

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

Dr. Zarreen Farooqi (zarreen@uakron.edu) or Enoch Damson (damson@uakron.edu)

Effective: Fall 2011
 Last Updated: 7/1/14



College of Applied Science and Technology

COMPUTER INFORMATION SYSTEMS

Computer Maintenance and Network Technology Minor

244207M

http://www.uakron.edu/summitcollege/business_technology/computer-information-systems/index.dot

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

The following courses constitute a “Minor in CIS – Computer Maintenance and Network Technology” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2440:145	Introduction to Unix/Linux	3	*
2440:201	Networking Basics	3	2440:145, 2440:268 or permission
2440:281	-OR- Microsoft Networking I		
2600:252	-OR- Microsoft Active Directory		
2440:202	Router & Routing Basics	3	2440:201
2440:282	-OR- Microsoft Networking II		2440:281
2440:203	Switching Basics & Wireless	3	2440:201
2440:283	-OR- Microsoft Networking III		2440:282
2440:204	WAN Technologies (Cisco Option)	3	2440:202 & 203
2440:247	-OR- Hardware Support		**
Total Credits for Degree		15	

* 2440:105, Introduction to Computers & Application Software **OR** pass placement test.

** Admission to program or permission of program director

Students must achieve a “C” or better in their technical courses (2440/2600).

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

J. Kropff (jsk3@uakron.edu) or J. Nicholas (jn@uakron.edu)



College of Applied Science and Technology

Computer Information Systems (2440)

Minor: Comp Info Sys - Comp Mainten & Network Tech (244207M)

Students must pass a departmental exam (CISBR) or successfully complete 2440:105 (as needed as a result of the department placement exam) before enrolling in Computer Information Systems courses.

		Credits
Required:		
2440:145	Introduction to Unix/Linux	3
Required (select one):		
2440:201	Networking Basics	3
2440:281	Microsoft Networking I	3
2600:252	Microsoft Active Directory	3
Required (select one):		
2440:202	Router & Routing Basics	3
2440:282	Microsoft Networking II	3
Required (select one):		
2440:203	Switching Basics and Wireless	3
2440:283	Microsoft Networking III	3
Required (select one):		
2440:204	WAN Technologies	3
2440:247	Hardware Support	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
All prerequisites must be honored. Click here to find course information (including prerequisites and corequisites). Contact Summit College Academic Advising for questions or more information.
2440:268, 2600:240, 242 must be MS option.
The following credit hour requirement applies to this minor: 15 credits.

Guide Updated: 05-27-2015

College of Applied Science and Technology
Marketing and Sales Technology
 Minor (252005M)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

The following courses constitute a "Minor in Marketing and Sales Technology" and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student's record.

√	Courses		Credits	Prerequisites
	2520:101	Essentials of Marketing	3	
	2520:203	Principles of Advertising	3	2520:101 or 6600:205
	2520:204	Services Marketing	3	2520:203, 212
	2520:206	Retail Promotion and Advertising	3	2520:202 or permission
	2520:212	Principles of Sales	3	2520:101 or permission
	2520:221 2520:240	Marketing Projects -OR- Marketing Internship	3	2520:203 2520:101, 202, 203,212
	2520:254	Sales Management Technology	3	2520:212
		Total Credits for Minor	21	

Note: A minor in Marketing and Sales Technology may only be awarded at the time a student receives a baccalaureate degree.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

- Students must pass a placement test before taking any required Marketing and Sales Technology core courses or take 2440:105, Introduction to Computers and Application Software, which does not count towards degree requirements.
- Students must achieve a "C" or better in each course in their major area (2520).

Program Contact

Kevin Feldt, Polsky Building Room M183, 330-972-8249, kfeldt@uakron.edu

Buchtel College of Arts and Sciences WOMEN'S STUDIES Women's Studies Minor – 300110M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a "Minor in Women's Studies" and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student's record.

Course		Credit Hours	Prerequisites
<i>Required courses (6 credits):</i>			
3001:200	Introduction to Women's Studies	3	
3001:480	Feminist Theory -OR-	3	3001:200
3600:455	Philosophy of Feminism	3	
<i>Electives (12 credits, with 9 credits at 300/400 level and no more than 2 courses from the same department):</i>			
3001:485	ST: Women's Studies (may not be repeated)	1-3	
3001:493	Individual Studies on Women	1-3	3001:300
3200:363	Women in Ancient Greece and Rome	3	
3230:416	Anthropology of Sex and Gender	3	3230:150 or 3850:100
3300:364	Women Writers	3	3300:112
3300:440	Women and Film	3	3300:111 and 3300:112
3300:453	American Women Poets	3	3300:111 and 3300:112
3400:325	Women in Modern Europe	3	
3400:350	U.S. Women's History	3	
3400:400	Gender and Culture in China	3	
3400:469	African-American Women's History	3	
3400:499	Women & Gender in Middle Eastern Societies	3	
3580:430	Women in 20th Century Hispanic Literature	4	3580:407 or 3580:408
3600:455	Philosophy of Feminism	3	
3700:375	Women in Politics	3	
3750:474	Psychology of Women	4	3001:300 or 3750:100
3850:325	Sociology of Women in Global Society	3	3850:100
3850:415	Women in Prison	3	3850:100
3850:416	Women and Crime	3	3850:100
3850:447	Sociology of Sex and Gender	3	3850:100
3850:455	Family Violence	3	3850:100
3760:201	Courtship, Marriage & Family Relations	3	
3760:265	Child Development	3	
3760:442	Human Sexuality	3	3760:201
3760:446	Culture, Ethnicity and Family	3	3760:201 or 3760:265

7350:219	Dress and Culture	3	
7750:265	Women and Addiction	3	
7750:411	Women's Issues in Social Work Practice	3	7750:401
Total Credits for Certificate		18	

- NOTE: - Declare the minor in the Academic Advising Office of Buchtel College of Arts and Sciences, room 118
- Courses may not be taken as pass/fail
 - Complete at least 9 additional credits not needed for any other major, minor or certificate

PROGRAM CONTACT

Professor Mary E. Triece, Ph.D.
 Director of Women's Studies, School of Communication
 330-972-6222
 mtriece@uakron.edu



Buchtel College of Arts and Sciences

Biology (3100)



Minor: Biology (310000M)

		Credits
3100:111	Principles of Biology I	4
3100:112	Principles of Biology II	4
3100:211	General Genetics	3
3100:217	General Ecology	3
3100:316	Evolutionary Biology	3
Select one:		
3100:311	Cell & Molecular Biology	4
3100:331	Microbiology	4
3100:xxx Any 300/400-level course for 2-3 credits		

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

The following credit hour requirements apply to this minor: 23 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Chemistry (3150)



Minor: Chemistry (315000M)

		Credits
3150:151	Principles of Chemistry I	3
3150:152	Principles of Chemistry I Lab	1
3150:153	Principles of Chemistry II	3
3150:263	Organic Chemistry Lecture I	3
3150:264	Organic Chem Lecture II	3
6 credits of 300/400-level chemistry courses		

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

For additional 300/400 level chemistry courses, a pre-med, medical technology or biology student might take 3150:401, 402 Biochemistry (three credits each). An engineering or physics major might select 3150:313, 314 Physical Chemistry (three credits each). Analytical or instrumental courses might be attractive to students in other fields. Students who intend to minor in chemistry should seek advice from the Chemistry Department about the 300/400 level courses that would be most relevant to their interests.

Chemical engineering majors automatically fulfill the requirements for a minor in chemistry.

The following credit hour requirements apply to this minor: 19 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Anthropology (3230)



Minor: Classical Studies (320003M)

		Credits
Required core courses: Any 2 of the following:		
3200:220	Introduction to Ancient World	3
3200:230	Sports & Society Anc Gr & Rome	3
3200:289	Mythology of Ancient Greece	3
12 credits from the following		
3200:361	The Literature of Greece	3
3200:362	The Literature of Rome	3
3200:363	Women in Ancient Greece & Rome	3
3200:480	Rdg & Rsch Classical Studies	1
3240:100	Introduction to Archaeology	3
3240:313	Archaeology of Greece	3
3240:314	Archaeology of Rome	3
3240:360	Ancient N-E Archaeology	3
3240:400	Archaeological Theory	3
3400:308	Greece	3
3400:317	Roman Republic	3
3400:318	Roman Empire	3
3400:404	Studies in Roman History	3
3510:201	Intermediate Latin I	3
3510:202	Intermediate Latin II	3
3510:303	Advanced Latin I	3
3510:304	Advanced Latin II	3
3510:497	Latin Reading & Research	3
3510:498	Latin Reading & Research	3
3600:211	History of Ancient Philosophy	3
3600:411	Plato	3
3600:432	Aristotle	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this minor: 18 credits, with at least 6 credits at the 300/400 level.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Anthropology (3230)

Minor: Interdisciplinary Anthropology (323000M)

		Credits
Required core courses:		
3230:150	Human Cultures	3
3230:151	Human Evolution	4
3240:100	Introduction to Archaeology	3
Nine additional credits of Anthropology (3230) or Archaeology (3240) courses		

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this minor: 19 credits with a minimum of 6 credits at the 300/400 level.

Guide Updated: 08-22-2013



WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term minor declared.

Official requirements listed in Degree Progress Report (DPR).

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

Economics Minor (325000M) 18 Credits – All courses 3 credit hours		
	PRE-REQ	DONE
Required Courses: 6-9 credits		
3250:200 Principles of Microeconomics & 3250:201 Principles of Macroeconomics OR 3250:244 Intro to Economic Analysis	See course	<input type="checkbox"/>
3250:410 Intermediate Microeconomics (Fall) OR 3250:400 Intermediate Macroeconomics (Spring)	See course	<input type="checkbox"/>
Electives: 9-12 credits*		
3250:xxx Economics courses	See course	<input type="checkbox"/>

*All students are encouraged to consult with their Academic Advisor about the best choice of coursework.

Check bulletin listings or call the department about special topics courses (3250:440) offered each semester.

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.



Buchtel College of Arts and Sciences

Economics (3250)

Minor: Labor Economics (325001M)

		Credits
Required course:		
3250:410	Intermediate Microeconomics	3
Choose both 200 and 201 or choose 244 only:		
3250:200	Principles of Microeconomics	3
3250:201	Principles of Macroeconomics	3
3250:244	Introduction Economic Analysis	3
Choose at least two of the following:		
3250:330	Labor Problems	3
3250:333	Labor Economics	3
3250:430	Labor Market & Social Policy	3
3250:432	Econ & Pract Collect Bargain	3
Electives in Economics (3-6 credits)		

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
All students are encouraged to consult with the Undergraduate Student Adviser in the Economics Department about the best choices of coursework.
The 3-6 credits of economics electives cannot be from 3250:200, 201 or 244. Select from 3250:2xx, 3xx or 4xx.
The following credit hour requirements apply to this minor: 18 credits.

Guide Updated: 08-22-2013

Effective: Summer 2017
Updated: 2/1/17



Buchtel College of Arts and Sciences ENGLISH English MINOR – 33000M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in English” and must be completed with a minimum grade point average of 2.0 overall for the minor to be noted on the student’s record.

Course	Credit Hours	Prerequisites
Select at least six credits from the English Department at the 300 or 400 level:		
3300:3xx		
3300:4xx		
Select an additional 12 credits from the English Department:		
3300:1xx		
3300:2xx		
3300:3xx		
3300:4xx		
Total Credits for Minor	18	

NOTE: A minor in English may only be awarded at the time a student receives a baccalaureate degree.
English courses 111, 112, 250, 251, 252 and 281 are not accepted for any minors.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

Dr. Mary Biddinger
Professor, Department of English
330-972-6960
marybid@uakron.edu



Buchtel College of Arts and Sciences

English (3300)

Minor: Professional Writing (330006M)

		Credits
Required:		
3300:390	Professional Writing I	3
3300:391	Professional Writing II	3
One from the following:		
3300:376	Legal Writing	3
3300:479	Management Reports	3
3300:489	Seminar in English	2
Select two additional courses from any of the literature, language or writing offerings in the department.		
Select one departmental linguistics or language course from the following or a 3300:489 Seminar (Grammatical Structures, Sociolinguistics, Linguistics & Language Arts):		
3300:371	Introduction to Linguistics	3
3300:400	Anglo Saxon	3
3300:470	History of English Language	3
3300:472	Syntax	3
3300:473	Theore Found and Prin of ESL	3
3300:474	African American English	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
English courses 111, 112, 250, 251, 252 and 281 are not accepted for any minors.
Professional Writing I and II do not have to be taken in sequence.
The following courses taken to fulfill specific requirements in the English Major cannot also be used to fulfill the 18 hours requirement in this minor: 3300:300 Critical Reading and Writing; 3300:301 English Literature I; 3300:315 Shakespeare: Early; 3300:316 Shakespeare: Mature; 3300:341 American Literature I; one course in world or multicultural literature.
For 3300:489 Seminar In English, choose Science Writing.
The following credit hour requirements apply to this minor: 18 credits.

Guide Updated: 08-22-2013

Buchtel College of Arts and Sciences ENGLISH Creative Writing MINOR – 330007M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Creative Writing” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
Select two introductory courses in creative writing from the following:			
3300:276	Introduction to Creative Nonfiction Writing	3	3300:111 and 3300:112
3300:277	Introduction to Poetry Writing	3	3300:111 and 3300:112
3300:278	Introduction to Fiction Writing	3	3300:111 and 3300:112
3300:279	Introduction to Script Writing	3	3300:111 and 3300:112
Select at least one advanced course in creative writing from the following:			
3300:377	Advanced Poetry Writing	3	3300:277, 3300:111 and 3300:112
3300:378	Advanced Fiction Writing	3	3300:278, 3300:111 and 3300:112
3300:379	Advanced Script Writing	3	3300:279 and 3300:112
3300:381	Advanced Creative Nonfiction Writing	3	3300:276
Students must complete the following course:			
3300:457	Writers on Writing	3	3300:111 and 3300:112
Select two additional courses in any form of creative writing or literature at the 300 or 400 level:			
3300:3xx			
3300:4xx			
Total Credits for Minor		18	

NOTE: A minor in Creative Writing may only be awarded at the time a student receives a baccalaureate degree.

English courses 111, 112, 250, 251, 252 and 281 are not accepted for any minors.

The following courses taken to fulfill specific requirements in the English major cannot also be used to fulfill the 18 hours requirement in this minor: 3300:300, 3300:301, 3300:315, 3300:316, 3300:341, and one course in world or multicultural literature.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

Dr. Mary Biddinger
 Professor, Department of English
 330-972-6960
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Buchtel College of Arts and Sciences

English (3300)



Minor: Popular Literature & Film (330009M)

This minor enables students to understand how mass-produced, popular literature and film reveal underlying cultural assumptions about authority, family responsibility and gender roles held by the mainstream audience.

		Credits
Select 12 hours of courses in popular literature or film at the 300/400 level in the Department of English from the following:		
3300:380	Film Criticism	3
3300:389	ST: Literature & Language	3
3300:399	The Gothic Imagination	3
3300:440	Women and Film	3
3300:460	Film and Literature	3
3300:484	Fantasy	3
3300:485	Science Fiction	3
3300:489	Seminar in English	2
Select 6 credits from the following or from courses above that were not already selected:		
3300:283	Film Appreciation	3
3300:350	Black American Literature	3
3300:362	World Literatures	3
3300:364	Women Writers	3
3300:389	ST: Literature & Language	3
3300:435	20th Century British Poetry	3
3300:436	British Fiction: 1900-1925	3
3300:437	British Fiction Since 1925	3
3300:450	Modern American Fiction	3
3300:452	Modern American Poetry	3
3300:453	American Women Poets	3
3300:454	20th Century American Drama	3
3300:455	The American Short Story	3
3300:457	Writers on Writing	3
3300:468	International Poetry	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
English courses 111, 112, 250, 251, 252 and 281 are not accepted for any minors.
The following courses taken to fulfill specific requirements in the English Major cannot also be used to fulfill the 18 hours requirement in this minor: 3300:300

Critical Reading and Writing; 3300:301 English Literature I; 3300:315 Shakespeare: Early; 3300:316 Shakespeare: Mature; 3300:341 American Literature I; one course in world or multicultural literature.
For 3300:389 ST: Literature and Language, choose between American Noir, Detective Fiction, Popular Culture, Stephen King, Jewish Women in Literature, Modern Jewish Novel, Afro-American Novel, Literary Ohio.
For 3300:489 Sem. In English, choose between 20th Century Irish Drama, 20th Century Women Writers, Harlem Renaissance, Holocaust Literature, International Short Story, New Fiction, American Literature Since Civil War, Jewish-American Literature, New Poetry, Women's Writing/Lives, Literature of the Occult, Contemporary Gothic Women Writers.
The following credit hour requirement applies to this minor: 18 credits.

Guide Updated: 09-09-2013



Buchtel College of Arts and Sciences

English (3300)

Minor: African American Literature and Language (330011M)

		Credits
Choose 18 credits from the following:		
3300:341	American Literature I	3
3300:371	Introduction to Linguistics	3
3300:350	Black American Literature	3
3300:389	ST: Literature & Language	3
3300:470	History of English Language	3
3300:389	ST: Literature & Language	3
3300:472	Syntax	3
3300:473	Theore Found and Prin of ESL	3
3300:489	Seminar in English	2
3300:471	U.S. Dialects: Black & White	3
3300:474	African American English	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
English courses 111, 112, 250, 251 and 281 are not accepted for any minors.
The following courses taken to fulfill specific requirements in the English Major cannot also be used to fulfill the 18 hours requirement in this minor: 3300:300 Critical Reading and Writing; 3300:301 English Literature I; 3300:315 Shakespeare: Early; 3300:316 Shakespeare: Mature; 3300:341 American Literature I; one course in world or multicultural literature.
For 3300:389 ST: Literature & Language, choose between African American Novel or African American Drama.
3300:489 Seminar in English is typically offered for the maximum of 3 credits. Students may take it multiple times to encompass the following topics: Harlem Renaissance, Toni Morrison, African American Poetry and Sociolinguistics.
The following credit hour requirements apply to this minor: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Geography & Planning (3350)

Minor: Geography (335000M)

		Credits
3350:250	World Regional Geography	3
3350:305	Maps & Map Reading	3
3350:310	Physical & Envrn Geography	3
3350:320	Economic Geography	3
The remaining six credits are to be selected from any Geography and Planning courses.		

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this minor: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Geography & Planning (3350)

Minor: Geographic Information Science and Cartography (335001M)

		Credits
Geotechniques requirements:		
3350:405	Geographic Information Systems	3
3350:440	Cartography	3
3350:447	Remote Sensing	3
9 credits of Geotechniques electives:		
3350:407	Advanced Geographic Info Sys	3
3350:441	Global Positioning Sys (GPS)	1
3350:442	Cartographic Theory & Design	3
3350:444	Appl in Cart & Geog Info Sys	3
3350:445	GIS Database Design	3
3350:446	GIS Programmng & Customization	3
3350:449	Advanced Remote Sensing	3
3350:481	Research Meth in Geog & Plan	3
3350:483	Spatial Analysis	3
3350:496	Field Research Methods	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this minor: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Geography & Planning (3350)

Minor: Urban and Regional Planning (335006M)

		Credits
Planning requirements:		
3350:405	Geographic Information Systems	3
3350:433	Practical Approaches to Plann	3
9 credits of Planning electives:		
3350:415	Environmental Planning	3
3350:422	Transportatn Systems Planning	3
3350:432	Land Use Planning Law	3
3350:437	Plan Analysis & Proj Methods	3
3350:438	Land Use Planning Methods	3
3350:439	History of Urban Design & Plan	3
3350:450	Development Planning	3
3 credits of Geotechniques electives:		
3350:440	Cartography	3
3350:447	Remote Sensing	3
3350:483	Spatial Analysis	3
3350:496	Field Research Methods	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this minor: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Geology (3370)



Minor: Geology (337000M)

		Credits
Select 20 credits from any 3370:xxx courses, 6 credits at the 300/400 level and 17 credits from the following courses that have a lab:		
3370:101	Introductory Physical Geology	4
3370:102	Introductory Historical Geol	4
3370:105	Geology for Engineers	3
3370:230	Mineral Science	4
3370:231	Silicate Mineral & Petrology	4
3370:301	Engineering Geology	3
3370:310	Geomorphology	3
3370:324	Sedimentation & Stratigraphy	4
3370:350	Structural Geology	4
3370:360	Paleobiology	4
3370:371	Oceanography	4
3370:405	Archaeological Geology	3
3370:410	Regional Geology of N America	3
3370:411	Glacial Geology	3
3370:432	Optcl Mnrlgy, Intro Petrology	3
3370:433	Advanced Petrology	3
3370:null	null	3
3370:436	Coal Geology	3
3370:437	Economic Geology	3
3370:446	Exploration Geophysics	3
3370:449	Borehole Geophysics	3
3370:450	Advanced Structural Geology	3
3370:451	Fld/Lab Std: Environmental Sci	3
3370:453	Geology Field Camp I	3
3370:454	Geology Field Camp II	3
3370:455	Field Studies in Geology	1
3370:462	Macroevolution	3
3370:463	Environmental Micropaleontology	3
3370:470	Geochemistry	3
3370:474	Groundwater Hydrology	3
Included in the 17 credits, take 3370:200 and either 201 or 203:		
3370:200	Environmental Geology	3
3370:201	Exerc Environmentl Geology I	1
3370:203	Exerc Environmentl Geology II	1

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

IMPORTANT: The following credit hour requirements apply to this minor: 20 credits with at least 6 credits at the 300/400 level.

Students considering a minor should consult with the Director of Undergraduate Studies in the Geology and Environmental Science Department.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

History (3400)



Minor: History (340000M)

		Credits
Select a minimum of one course from Field One - U.S. & Canada:		
3400:250	U.S. History to 1877	4
3400:251	U.S. History Since 1877	4
3400:345	Native North American History	3
3400:350	U.S. Women's History	3
3400:352	The American West	3
3400:354	American Immigration	3
3400:355	American Religious History	3
3400:356	Sports in Am Hist Since 1865	3
3400:358	Urban America	3
3400:360	United States Military History	3
3400:361	African Amer History,1492-1877	3
3400:362	African Amer History,1877-Pres	3
3400:371	Sel T: North American History	3
3400:381	History of Canada	3
3400:382	The Vietnam War	3
3400:417	Latin America and the US	3
3400:451	Colonial American History	3
3400:452	Amer Rev Era: Pl Mil & Con Asp	3
3400:453	The Early American Republic	3
3400:454	Civil War & Reconst, 1850-1877	4
3400:455	Origins Mod America, 1877-1917	3
3400:456	Amer WWars & Depress 1917-1945	3
3400:457	The United States since 1945	3
3400:461	The U.S.as a World Power	3
3400:463	U.S. Const History Since 1870	3
3400:465	American Economy Since 1900	3
3400:467	Hist of American Pop Culture	3
3400:468	African-Amer Soc & Int History	3
3400:469	African-Amer Women's History	3
3400:470	Ohio History	3
3400:471	American Environmental History	3
3400:484	Museums and Archives	3
3400:485	History, Communities & Memory	3
3400:487	Science & Tech in World Hist	3
3400:493	Sp St: North American History	3
Select a minimum of one course from Field Two - Europe:		

3400:319	Medieval Europe, 500-1200	3
3400:320	Medieval Europe, 1200-1500	3
3400:321	Eur: Renais Relg War 1350-1610	3
3400:322	Europe: Absol/Revol 1610-1789	3
3400:323	Europe: Revolu to WW 1789-1914	3
3400:324	Europe: WW I to the Present	3
3400:325	Women in Modern Europe	3
3400:335	Russia to 1801	3
3400:336	Russia Since 1801	3
3400:337	France Napoleon to Degaulle	3
3400:372	Sel T: European History	3
3400:409	Imperial Spain, 1469-1700	3
3400:410	History and Film	3
3400:424	The Renaissance	3
3400:425	The Reformation	3
3400:429	Eur: French Rev Era-1789-1815	3
3400:438	Nazi Germany	3
Select a minimum of one course from Field Three - Ancient, Asia, Latin America & Middle East		
3400:200	Empires of the Ancient World	3
3400:300	Imperial China	3
3400:301	Modern China	3
3400:303	Modern East Asia	3
3400:307	The Ancient Near East	3
3400:308	Greece	3
3400:313	Eastrn Roman Empire (324-1453)	3
3400:317	Roman Republic	3
3400:318	Roman Empire	3
3400:341	Islamic Fundamentalism & Revol	3
3400:342	The Crusades through Arab Eyes	3
3400:351	Global Hist:Encntrs & Conflcts	4
3400:373	Sel T: Other	3
3400:377	History of Women in Latin Amer	3
3400:378	Span Cnqst & Colniztn of Amer	3
3400:379	Modern Latin America	3
3400:381	History of Canada	3
3400:395	Modern Iran	3
3400:396	Iraq in Historical Perspective	3
3400:400	Gender and Culture in China	3
3400:401	Japan & Pacific War, 1895-1945	3
3400:404	Studies in Roman History	3
3400:416	Modern India	3
3400:418	History of Brazil Since 1500	3
3400:476	Central America & Caribbean	3
3400:489	Ottoman State and Society	3
3400:496	Sp St in History:Other	3
3400:498	Race, Nation & Class - M East	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
For Field Two - Europe: 3400:372 Sel T: European History course, select Balkans: 1875 to present
For Field Three - Ancient, Asia, Latin American & Middle East: 3400:373 Sel T: Other, select Latin Amer Popular Culture
The following credit hour requirements apply to this minor: 18 credits; a minimum of 10 credits at the 300/400 level.

Guide Updated: 08-23-2013



Buchtel College of Arts and Sciences

Mathematics (3450)

Minor: Mathematics (345000M)

		Credits
3450:221	Analytic Geometry-Calculus I	4
3450:222	Analytic Geometry-Calculus II	4
3450:223	Analytic Geometry-Calc III	4
Select one:		
3450:312	Linear Algebra	3
3450:438	Advanced Engineering Math I	3
9 credits of approved 300/400-level mathematical sciences electives (at least six credits in 3450 courses)		

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
The following credit hour requirements apply to this minor: 24 credits.	

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Mathematics (3450)

Minor: Applied Mathematics (345001M)

		Credits
3450:221	Analytic Geometry-Calculus I	4
3450:222	Analytic Geometry-Calculus II	4
3450:223	Analytic Geometry-Calc III	4
Select one:		
3450:312	Linear Algebra	3
3450:438	Advanced Engineering Math I	3
9 credits of approved 300/ 400-level mathematical sciences electives (with at least six credits in 3450 courses)		

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
The following credit hour requirements apply to this minor: 24 credits.	

Guide Updated: 08-22-2013

Effective: Fall 2017
 Updated: 10/20/17



Buchtel College of Arts and Sciences
DEPARTMENT OF COMPUTER
SCIENCE
Computer Science
MINOR – 346000M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in Computer Science” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
3450:208	Introduction to Discrete Mathematics	4	3450:145 or 3450:149 w/ C- or better
3460:209	Computer Science I	4	3450:145 or 3450:149 w/ C- or better
3460:210	Computer Science II	4	3460:209 and 3450:208 w/ C- or better
3460:316	Data Structures	3	3460:210 & (3450:221 or 3450:210) w/ C- or better
Select one of the following:			
3450:210	Calculus with Business Applications	3	3450:145 w/ C- or better or placement test
3450:221	Analytic Geometry-Calculus I	4	3450:149 w/ C- or better or placement test
300/400-Level Computer Science Electives: select 6 credits			
3460:3xx			
3460:4xx			
Total Credits for Minor		25	

NOTE: The credits earned in the minor program cannot be counted towards the Computer Science certificate program.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

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Buchtel College of Arts and Sciences

Statistics (3470)



Minor: Statistics (347000M)

		Credits
3450:221	Analytic Geometry-Calculus I	4
3450:222	Analytic Geometry-Calculus II	4
3450:312	Linear Algebra	3
3470:461	Applied Statistics	4
3470:462	Applied Regression and ANOVA	4
6 credits of approved 400-level statistics electives		

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this minor: 25 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Modern Languages (3500)

Minor: Arabic (350100M)

		Credits
Select 20 credits from the following (12 at 300 level or higher):		
3501:101	Beginning Arabic I	4
3501:102	Beginning Arabic II	4
3501:201	Intermediate Arabic I	4
3501:202	Intermediate Arabic II	4
3501:210	Arabic Culture through Film	2
3501:301	Composition and Conversation	4
3501:302	Arabic Media	4
3501:303	Intro:Modern Arabic Literature	4
3501:304	Cultural Readings in Arabic	4
3501:311	Arabic Cultural Exp Abroad	1
3501:422	ST: Arabic	1
3501:497	Indiv Reading: Arabic	1

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

The following credit hour requirements apply to this minor: 20 credits with 12 credits at the 300 level or higher. No more than 10 transfer credits may be counted toward the minor.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Modern Languages (3500)



Minor: Chinese (350200M)

		Credits
Select 20 credits from the following (12 at 300 level or higher):		
3502:101	Beginning Chinese I	4
3502:102	Beginning Chinese II	4
3502:201	Intermediate Chinese I	4
3502:202	Intermediate Chinese II	4
3502:210	Chinese Culture Through Film	2
3502:301	Chinese Conversation	4
3502:302	Chinese Composition	4
3502:303	Chinese Conv Through Media	4
3502:304	Chinese Reading and Writing	4
3502:311	Chinese Cultural Exp Abroad	1
3502:422	ST: Lang Skls, or Cult or Lit	1
3502:497	Indiv Reading: Chinese	1

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this minor: 20 credits with 12 at the 300 level or higher. No more than 10 transfer credits may be counted toward the minor.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Modern Languages (3500)

Minor: French (352000M)

		Credits
Select 18 credit from the following (12 at the 300 level or higher):		
3520:101	Beginning French I	4
3520:102	Beginning French II	4
3520:201	Intermediate French I	3
3520:202	Intermediate French II	3
3520:300	Contemp French and Franco Cult	3
3520:301	French Conversation	3
3520:302	French Composition	3
3520:303	French Culture & Civilizatn I	3
3520:304	French Culture & Civilizatn II	3
3520:305	Introduction to French Lit I	3
3520:306	Introduction to French Lit II	3
3520:308	Internship in France	1
3520:311	Contemporary French Society	3
3520:312	French Cult Exp Abroad	1
3520:315	French Phonetics	3
3520:350	Themes in French Lit in Transl	3
3520:351	Translation: French	3
3520:352	Translation: Business French	3
3520:402	Advanced French Grammar	3
3520:403	Adv French: Written & Oral Com	3
3520:407	French Lit of Mid Ages & Renai	4
3520:413	French Cinema	3
3520:419	19th Century French Literature	4
3520:422	French: ST Adv Lng Skl Cult Li	1
3520:427	20th Century French Literature	4
3520:430	Contemporary Quebec	3
3520:431	Francophone Literature	3
3520:460	Sel Themes: French Lit	3
3520:497	Individual Reading in French	1
3520:498	Individual Reading in French	1

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
3520:308, 312, 497 and 498 are available for 1-3 credits, each. 3520:422 is available for 1-4 credits.
The following credit hour requirements apply to this minor: 18 credits with 12 at

the 300 level or higher. No more than 9 transfer credits may be counted toward the minor.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Modern Languages (3500)

Minor: Spanish (358000M)

		Credits
Select 18 credits from the following (12 at 300 level or higher):		
3580:101	Beginning Spanish I	4
3580:102	Beginning Spanish II	4
3580:111	Intensive Begin Spanish I	4
3580:112	Intensive Begin Spanish II	4
3580:201	Intermediate Spanish I	3
3580:202	Intermediate Spanish II	3
3580:211	Intensive Intermd Spanish I	3
3580:212	Intensive Intermd Spanish II	3
3580:301	Spanish Conversation	3
3580:302	Spanish Composition	3
3580:303	Spanish Grammar	3
3580:311	Spanish/Spanish-Am Cult Exper	1
3580:340	Intro to Spanish & Sp-Amer Lit	3
3580:351	Spanish for Professionals: Bus	3
3580:401	Advanced Spanish Conversation	3
3580:402	Advanced Spanish Composition	3
3580:403	Advanced Grammar	3
3580:404	Intro: Spanish Linguistics	4
3580:405	Spanish Linguistics: Phonology	4
3580:406	Spanish Linguistics: Syntax	4
3580:407	Survey of Hispanic Lit: Spain	4
3580:408	Survey of Hispanic Lit: Sp-Am	4
3580:409	Cultural Manif Med & Ren Spain	4
3580:410	Spanish Applied Linguistics	4
3580:411	Spain During the Baroque Prd	4
3580:412	Cervantes: Don Quijote	4
3580:413	Don Juan Myth in Span Culture	4
3580:414	Cult Pol in the River Plate	4
3580:416	Representing Rlty 19th Cent Sp	4
3580:418	20th Cent Sp: Av-Gar Lit & Art	4
3580:419	Spanish Civil War&Cult Impact	4
3580:422	ST: Spec Lang Skl, Cult, Lit	1
3580:425	20th Century Spanish-Am Novel	4
3580:427	Latino Cultures in the USA	4
3580:430	Women in 20th Century Hisp Lit	4
3580:431	Hispanic Culture: Spain	4

3580:432	Hispanic Culture: Spanish Amer	4
3580:497	Individual Reading in Spanish	1

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
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The following credit hour requirements apply to this minor: 18 credits with 12 at the 300 level or higher. No more than 9 transfer credits may be counted toward the minor.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Philosophy (3600)

Minor: General Philosophy (360000M)

		Credits
Select 18 credits in philosophy including at least three credits at the introductory level selected from the following:		
3600:101	Introduction to Philosophy	3
3600:120	Introduction to Ethics	3
3600:170	Introduction to Logic	3
At least six credits must be at the 300/400 level.		
The remaining nine credits are to be selected from any philosophy offerings.		

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
Cannot overlap more than 6 credits if obtaining both a Philosophy major and a Philosophy minor or if obtaining two Philosophy minors.
The following credit hour requirements apply to this minor: 18 credits.

Guide Updated: 09-09-2013



Buchtel College of Arts and Sciences

Philosophy (3600)

Minor: Philosophy of Religions (360001M)

		Credits
Required:		
3600:331	Philosophy of Religion	3
3600:340	Eastern Philosophy	3
6 credits of the following:		
3600:312	History of Medieval Philosophy	3
3600:313	History of Modern Philosophy	3
3600:414	Aquinas	3
3600:415	Augustine	3
3600:480	Sem: Philosophy	3
6 credits from the following:		
3002:410	African American Religious Exp	3
3200:220	Introduction to Ancient World	3
3200:289	Mythology of Ancient Greece	3
3230:357	Magic, Myth, & Religion	3
3300:360	Old Testament As Literature	3
3300:361	The New Test and Apoc as Lit	3
3400:320	Medieval Europe, 1200-1500	3
3400:321	Eur: Renais Relg War 1350-1610	3
3400:322	Europe: Absol/Revol 1610-1789	3
3400:340	Sel T: History	3
3400:341	Islamic Fundamentalism & Revol	3
3400:342	The Crusades through Arab Eyes	3
3400:371	Sel T: North American History	3
3400:425	The Reformation	3
3600:211	History of Ancient Philosophy	3
3600:312	History of Medieval Philosophy	3
3600:313	History of Modern Philosophy	3
3600:392	Internship in Philosophy	1
3600:414	Aquinas	3
3600:415	Augustine	3
3600:471	Metaphysics	3
3600:480	Sem: Philosophy	3
3850:365	ST: Sociology	1

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

3200:220 Introduction to the Ancient World and 3200:289 Mythology of Ancient Greece can also be used for General Education credit.

Cannot overlap more than 6 credits if obtaining both a Philosophy major and a Philosophy minor or if obtaining two Philosophy minors.

3600:392 Internship in Philosophy, 3600:480 Seminar, 3850:365 ST in Sociology, 3400:340 ST in History and 3400:371 ST North American History need to be on a religious topic.

3600:392 Internship in Philosophy and 3850:365 ST: Sociology can be taken for 1-3 credits.

The following credit hour requirements apply to this minor: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Philosophy (3600)



Minor: Bioethics (360002M)

		Credits
Required:		
3600:120	Introduction to Ethics	3
3600:361	Biomedical Ethics	3
6 credits from the following:		
3600:323	Advanced Topics in Ethics	3
3600:365	Environmental Ethics	3
3600:461	Neuroethics	3
3600:464	Philosophy of Science	3
3600:480	Sem: Philosophy	3
6 credits from the following:		
1880:310	Medicine & the Humanities	3
3230:457	Medical Anthropology	3
3600:323	Advanced Topics in Ethics	3
3600:365	Environmental Ethics	3
3600:392	Internship in Philosophy	1
3600:461	Neuroethics	3
3600:464	Philosophy of Science	3
3600:480	Sem: Philosophy	3
3750:320	Biopsychology	4
3750:335	Dynamics of Personality	4
3750:340	Social Psychology	4
3750:420	Abnormal Psychology	4
3750:430	Psychological Disorders: Child	4
3850:342	Sociology of Health & Illness	3
3850:450	Sociology of Mental Illness	3
6500:480	Intro: Health-Care Management	3
7400:442	Human Sexuality	3
7750:456	Social Work in Health Services	3
7700:454	Child in the Hospital	4
8200:217	Pathophysiology for Nurses	3
8200:445	Nursing of Communities/RN only	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
Intro to Ethics can also be used for General Education credit.
Cannot overlap more than 6 credits if obtaining both a Philosophy major and a Philosophy minor or if obtaining two Philosophy minors.
3600:392 Internship in Philosophy and 3600:480 Seminar need to be on a

bioethics topic. See an adviser for approval.

The following credit hour requirement applies to this minor: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Philosophy (3600)

Minor: Philosophy of Science and Religion (360003M)

		Credits
Required:		
3600:125	Theory & Evidence	3
3600:331	Philosophy of Religion	3
3600:333	Philosophy of Sci & Religion	3
3600:464	Philosophy of Science	3
6 credits from the following:		
3100:316	Evolutionary Biology	3
3100:428	Biology of Behavior	3
3100:482	Neurobiology	3
3230:151	Human Evolution	4
3230:455	Culture & Personality	3
3300:360	Old Testament As Literature	3
3300:366	Europe Bkgd English Literature	3
3370:102	Introductory Historical Geol	4
3370:360	Paleobiology	4
3370:405	Archaeological Geology	3
3400:487	Science & Tech in World Hist	3
3600:392	Internship in Philosophy	1
3600:471	Metaphysics	3
3600:480	Sem: Philosophy	3
3650:301	Elementary Modern Physics	3
3750:320	Biopsychology	4
3850:315	Sociological Social Psychology	3
3850:410	Social Structures & Personlty	3
3850:460	Sociological Theory	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
3600:125 Theory and Evidence and 3230:151 Human Evolution can also be used for General Education credit.
Cannot overlap more than 6 credits if obtaining both a Philosophy major and a Philosophy minor or if obtaining two Philosophy minors.
3600:392 Internship in Philosophy and 3600:480 Seminar need to be on a science and/or religious topic. Internship may be taken for 1-3 credit hours.
The following credit hour requirements apply to this minor: 18 credits.

Guide Updated: 08-23-2013



Buchtel College of Arts and Sciences

Philosophy (3600)



Minor: Philosophy - Pre-Law (360004M)

		Credits
Required:		
3600:421	Philosophy of Law	3
3 credits from the following:		
3600:120	Introduction to Ethics	3
3600:125	Theory & Evidence	3
3600:170	Introduction to Logic	3
6 credits from the following:		
3600:324	Social & Political Philosophy	3
3600:327	Law and Morality	3
3600:329	Philosophies of Internatnl Law	3
3600:361	Biomedical Ethics	3
6 credits from the following:		
3002:301	Civil Rights America: 1945-74	3
3250:405	Economics of the Public Sector	3
3300:376	Legal Writing	3
3300:389	ST: Literature & Language	3
3350:432	Land Use Planning Law	3
3400:317	Roman Republic	3
3400:452	Amer Rev Era: Pl Mil & Con Asp	3
3400:453	The Early American Republic	3
3600:211	History of Ancient Philosophy	3
3600:312	History of Medieval Philosophy	3
3600:313	History of Modern Philosophy	3
3600:323	Advanced Topics in Ethics	3
3600:324	Social & Political Philosophy	3
3600:327	Law and Morality	3
3600:329	Philosophies of Internatnl Law	3
3600:361	Biomedical Ethics	3
3600:362	Business Ethics	3
3600:363	Police Ethics	3
3600:418	20th Cent. Analytic Philosophy	3
3600:462	Theory of Knowledge	3
3700:302	American Political Ideas	3
3700:334	Law, Mediation, and Violence	3
3700:335	Law & Society	3
3700:360	The Judicial Process	3
3700:361	Politics of the Crim Just Sys	3
3700:363	Crime, Pun, Pol: A Comp Persp	3

3700:461	The Supreme Court & Const Law	3
3700:462	The Supreme Court & Civil Lib	3
3700:null	null	3
3750:440	Personnel Psychology & Law	4
3850:330	Criminology	3
3850:441	Sociology of Law	3
6400:220	Legal & Soc Environ Business	3
6400:323	International Business Law	3
7600:245	Argumentation	3
7600:252	Persuasion	3
7750:470	Law for Social Workers	3

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
3600:120 Introductions to Ethics, 3600:125 Theory and Evidence, and 3600:170 Introductions to Logic can also be used for General Education credit.	
Cannot overlap more than 6 credits if obtaining both a Philosophy major and a Philosophy minor or if obtaining two Philosophy minors.	
3300:389 ST: Literature & Language needs to be on a legal topic.	
The following credit hour requirements apply to this minor: 18 credits.	

Guide Updated: 08-23-2013



Buchtel College of Arts and Sciences

Philosophy (3600)

Minor: Philosophy - Science (360005M)

		Credits
Required:		
3600:170	Introduction to Logic	3
3600:464	Philosophy of Science	3
6 credits from the following:		
3600:125	Theory & Evidence	3
3600:323	Advanced Topics in Ethics	3
3600:333	Philosophy of Sci & Religion	3
3600:361	Biomedical Ethics	3
3600:371	Philosophy of Mind	3
3600:418	20th Cent. Analytic Philosophy	3
3600:461	Neuroethics	3
3600:462	Theory of Knowledge	3
3600:471	Metaphysics	3
3600:480	Sem: Philosophy	3
6 credits from the following:		
3100:211	General Genetics	3
3100:217	General Ecology	3
3100:311	Cell & Molecular Biology	4
3100:316	Evolutionary Biology	3
3100:331	Microbiology	4
3150:305	Phys Chemistry for Bio Science	4
3150:313	Physical Chemistry Lecture I	3
3150:314	Physical Chemistry Lecture II	3
3150:401	Biochemistry Lecture I	3
3150:402	Biochemistry Lecture II	3
3150:423	Analytical Chemistry I	3
3150:424	Analytical Chemistry II	3
3150:472	Advanced Inorganic Chemistry	3
3230:151	Human Evolution	4
3230:359	Anthropological Theory	3
3230:410	Evolution & Human Behavior	3
3240:400	Archaeological Theory	3
3250:400	Intermediate Macroeconomics	3
3250:410	Intermediate Microeconomics	3
3250:426	Applied Econometrics	3
3370:324	Sedimentation & Stratigraphy	4
3370:350	Structural Geology	4
3370:360	Paleobiology	4

3400:487	Science & Tech in World Hist	3
3450:401	History of Mathematics	3
3470:450	Probability	3
3470:451	Theoretical Statistics I	3
3470:461	Applied Statistics	4
3650:291	Elementary Classical Physics I	4
3650:292	Elementary Classical Phys II	4
3650:301	Elementary Modern Physics	3
3650:340	Thermal Physics	3
3650:350	Modeling & Simulation	4
3650:431	Mechanics I	3
3650:436	Electromagnetism I	3
3650:441	Quantum Physics I	3
3650:470	Intro to Solid-State Physics	3
3750:320	Biopsychology	4
3750:340	Social Psychology	4
3750:345	Cognitive Processes	4
3850:301	Methods of Social Research I	3
3850:302	Methods of Social Research II	3
3850:315	Sociological Social Psychology	3
3850:460	Sociological Theory	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
3600:170 Introduction to Logic, 3600:125 Theory and Evidence and 3230:151 Human Evolution can also be used for General Education credit.
Cannot overlap more than 6 credits if obtaining both a Philosophy major and a Philosophy minor or if obtaining two Philosophy minors.
3600:323 Advanced Topics in Ethics needs to be on a science related topic. See an advisor for approval.
The following credit hour requirements apply to this minor: 18 credits.

Guide Updated: 08-23-2013



Buchtel College of Arts and Sciences

Philosophy (3600)



Minor: Philosophy - Environmental Ethics (360006M)

		Credits
Required:		
3600:120	Introduction to Ethics	3
3600:365	Environmental Ethics	3
6 credits from the following:		
3600:323	Advanced Topics in Ethics	3
3600:324	Social & Political Philosophy	3
3600:361	Biomedical Ethics	3
3600:464	Philosophy of Science	3
3600:480	Sem: Philosophy	3
6 credits from the following:		
3100:217	General Ecology	3
3100:418	Field Ecology	4
3100:421	Tropical Field Biology	4
3100:422	Conservation Biology	3
3100:423	Population Biology	3
3100:427	Freshwater Ecology	4
3100:430	Community/Ecosystem Ecology	3
3100:444	Field Marine Phycology	3
3250:385	Econ Natural Resources & Envir	3
3300:456	Thoreau,Emerson & Their Circle	3
3350:310	Physical & Envrn Geography	3
3350:314	Climatology	3
3350:351	Ohio: Environment & Society	3
3350:415	Environmental Planning	3
3350:495	Soil & Water Field Studies	3
3370:200	Environmental Geology	3
3370:201	Exerc Environmentl Geology I	1
3370:203	Exerc Environmentl Geology II	1
3370:211	Intro to Environmental Science	3
3370:371	Oceanography	4
3370:451	Fld/Lab Std: Environmental Sci	3
3370:463	Environmental Micropaleontology	3
3370:465	Geomicrobiology	3
3370:474	Groundwater Hydrology	3
3370:480	Sem: Environmental Studies	2
3400:471	American Environmental History	3
3850:321	Population	3
4100:203	Environmentl Sci & Engineering	3

4200:463	Pollution Control	3
4300:321	Intro: Environmental Engineer	3
4300:323	Water Supply & Pollut Cntrl	3
4300:426	Environmental Engineering Dsgn	3
4300:427	Water Quality Modeling & Mgmt	3
5570:400	Environ Aspects of Health Educ	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
3600:120 Introduction to Ethics, 3370:200 Environmental Geology, 3370:201 Exercises in Environmental Geology I, 3370:203 Exercises in Environmental Geology II and 3370:211 Intro to Environmental Science can also be used for General Education credit.
Cannot overlap more than 6 credits if obtaining both a Philosophy major and a Philosophy minor or if obtaining two Philosophy minors.
3600:480 Seminar needs to be on an environmental or animal ethics topic. Please see an advisor for approval.
The following credit hour requirement applies to this minor: 18 credits.

Guide Updated: 08-23-2013



Buchtel College of Arts and Sciences

Philosophy (3600)



Minor: Philosophy - Ethics (360007M)

		Credits
3600:120	Introduction to Ethics	3
15 credits from the following:		
3600:323	Advanced Topics in Ethics	3
3600:324	Social & Political Philosophy	3
3600:327	Law and Morality	3
3600:361	Biomedical Ethics	3
3600:362	Business Ethics	3
3600:363	Police Ethics	3
3600:364	Computer Ethics	3
3600:365	Environmental Ethics	3
3600:392	Internship in Philosophy	1
3600:421	Philosophy of Law	3
3600:455	Philosophy of Feminism	3
3600:461	Neuroethics	3
3600:480	Sem: Philosophy	3
3600:490	Sr Honors Project in Philosophy	3
3600:497	Ind St: Philosophy	1

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
Intro to Ethics can also be used for General Education credit.
Cannot overlap more than 6 credits if obtaining both a Philosophy major and a Philosophy minor or if obtaining more than one Philosophy minor.
3600:392 Internship in Philosophy, 3600:480 Seminar in Philosophy, 3600:490 Senior Honors Project, and 3600:497 Individual Study in Philosophy need to be on an ethical topic. See an advisor for approval.
The following credit hour requirement applies to this minor: 18 credits.

Guide Updated: 10-09-2014



Buchtel College of Arts and Sciences

Physics (3650)



Minor: Physics (365000M)

		Credits
Required for all students:		
3650:291	Elementary Classical Physics I	4
3650:292	Elementary Classical Phys II	4
3650:301	Elementary Modern Physics	3
7 credits of 3650:3xx electives; recommended electives are:		
3650:322	Intermediate Laboratory I	3
3650:323	Intermediate Laboratory II	3
3650:340	Thermal Physics	3
3650:350	Modeling & Simulation	4

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
3650:261 and 262 Physics for the Life Sciences I and II may be substituted for 3650:291 and 292 Elementary Classical Physics I and II in whole or in part.
Courses not applicable to the minor in physics without written permission by a faculty committee are 3650:399, 488, 490, 497 and 498.
The following credit hour requirements apply to this minor: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Political Science (3700)



Minor: Political Science - Criminal Justice (370001M)

		Credits
3700:100	Government & Politics in US	4
3700:201	Intro to Political Research	3
3700:361	Politics of the Crim Just Sys	3
Eight additional credits from the following:		
3700:363	Crime, Pun, Pol: A Comp Persp	3
3700:395	Intern: Government & Politics	2
3700:450	Adm Prisons, Probation & Parole	3
3700:480	Policy Prob: Political Science	3
3700:481	The Challenges of Police Work	3
3700:482	Criminal Justice Top: Cur Issu	3
3700:483	Constitutnl Probs in Crim Just	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
A maximum of 4 credits of internship can be applied to minor and must be in a Criminal Justice related field.
The following credit hour requirements apply to this minor: 18 credits with 9 credits from 300/400 level of Political Science coursework.

Guide Updated: 08-26-2013



Buchtel College of Arts and Sciences

Political Science (3700)



Minor: Political Science - American Politics (370003M)

		Credits
3700:100	Government & Politics in US	4
14 credits from the following:		
3700:210	State & Local Govt & Politics	3
3700:341	The American Congress	3
3700:350	The American Presidency	3
3700:360	The Judicial Process	3
3700:370	Public Admn: Concepts & Practs	4
3700:381	State Politics	3
3700:402	Politics and the Media	3
3700:440	Survey Research Methods	3
3700:470	Campaign Management I	3
3700:471	Campaign Management II	3
3700:472	Campaign Finance	3
3700:474	Political Opin/Behav/Elec Pol	3
3700:475	American Interest Groups	3
3700:476	American Political Parties	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this minor: 18 credits with 9 credits from 300/400 level coursework in Political Science.

Guide Updated: 08-26-2013



Buchtel College of Arts and Sciences

Political Science (3700)

Minor: Comparative Politics (370006M)

		Credits
3700:150	World Politics & Government	3
3700:300	Comparative Politics	4
12 additional credits from the following:		
3700:304	Modern Political Thought	3
3700:321	European Politics	3
3700:326	Politics of Developing Nations	3
3700:405	Politics in the Middle East	3
3700:414	Wealth and Power Among Nations	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this minor: 19 credits, with 9 credits of 300/400 level coursework in Political Science.

Guide Updated: 08-26-2013



Buchtel College of Arts and Sciences

Political Science (3700)

Minor: International Politics (370007M)

		Credits
3700:150	World Politics & Government	3
3700:310	International Politics & Ins	3
Twelve additional credits from the following:		
3700:300	Comparative Politics	4
3700:304	Modern Political Thought	3
3700:321	European Politics	3
3700:326	Politics of Developing Nations	3
3700:328	American Foreign Policy Proc	3
3700:405	Politics in the Middle East	3
3700:410	International Security Policy	3
3700:414	Wealth and Power Among Nations	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirement applies to this minor: 18 credits; 9 credits of which are at the 300/400 level in Political Science. See Political Science advisor for course information.

Guide Updated: 08-26-2013



Buchtel College of Arts and Sciences

Political Science (3700)



Minor: Politics of Homeland Security (370008M)

This minor will help students gain a better understanding of the threats facing domestic U.S. security, from terrorism to natural disasters, as well as what our government is doing to intervene and respond to those threats.

		Credits
Required:		
3700:336	Homeland Security Policy & Prc	3
3700:337	Terrorism: Prpts, Pltcs & Rspn	3
Select one:		
3700:100	Government & Politics in US	4
3700:150	World Politics & Government	3
Choose 9 credits from the following:		
3700:310	International Politics & Ins	3
3700:328	American Foreign Policy Proc	3
3700:334	Law, Mediation, and Violence	3
3700:339	Terrorism and the Constitution	3
3700:352	Weapons of Mass Destruction	3
3700:353	Future International Threats	3
3700:392	Sel T: Political Science	1
3700:410	International Security Policy	3
3700:413	Global Public Health Threats	3
3700:445	Al Qaeda	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this minor: 18 credits.

Guide Updated: 08-26-2013



Buchtel College of Arts and Sciences

Political Science (3700)



Minor: Pre-Law (370009M)

		Credits
3700:100	Government & Politics in US	4
3700:360	The Judicial Process	3
3700:461	The Supreme Court & Const Law	3
Eight additional credits from the following:		
3700:210	State & Local Govt & Politics	3
3700:341	The American Congress	3
3700:361	Politics of the Crim Just Sys	3
3700:395	Intern: Government & Politics	2
3700:462	The Supreme Court & Civil Lib	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
A maximum of 3 credits of internship can be applied to the minor.
The following credit hour requirements apply to this minor: 18 credits with 9 credits in 300/400 level coursework in Political Science.

Guide Updated: 09-09-2013



Buchtel College of Arts and Sciences

Psychology (3750)

Minor: Psychology (375000M)

		Credits
Required for all students:		
3750:100	Introduction to Psychology	3
At least one course from these 100/ 200-level courses:		
3750:110	Quantitative Methods in Psych	4
3750:220	Intro to Experimental Psych	4
3750:230	Developmental Psychology	4
At least one course from these 300-level courses:		
3750:320	Biopsychology	4
3750:335	Dynamics of Personality	4
3750:340	Social Psychology	4
3750:345	Cognitive Processes	4
3750:380	Industrial/Organizational Psyc	4
Courses from the following list which relate to student's area of interest:		
3750:400	Personality	4
3750:410	Psychological Tests & Measures	4
3750:420	Abnormal Psychology	4
3750:430	Psychological Disorders: Child	4
3750:435	Cross-Cultural Psychology	4
3750:440	Personnel Psychology & Law	4
3750:441	Clinical & Counseling Psych I	4
3750:443	Human Resource Management	4
3750:444	Organizational Theory	4
3750:445	Psychology of Small Group Beh	4
3750:450	Cognitive Development	4
3750:460	History of Psychology	3
3750:474	Psychology of Women	4
3750:475	Psychology of Adulthood & Agng	4
3750:480	ST: Psychology	1

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this minor: 19 credits with 8 credits at the 300/400 level.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Criminal Justice Studies (3800)

Minor: Criminal Justice Studies - Corrections (380011M)

The following information has official approval of the Buchtel College of Arts and Sciences, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others. The Criminal Justice Studies Corrections Minor provides a foundation in correctional administrations law, theory, policy, and practice with a special emphasis in the treatment of addictions. The following courses constitute a Minor in Criminal Justice Studies Corrections and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the students record.

		Credits
3800:100	Intro to Criminal Justice	3
3800:103	Introduction to Corrections	3
3800:270	Community Corrections	3
3800:275	Legal Aspects of Corrections	3
2260:255	Effective Workplace Relationships	3
7750:269	Criminal Justice & Addiction	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
All prerequisites must be honored.
The following credit hour requirements apply to this minor: 18 credits. A minor will be placed on the student's record only at the time the student receives a baccalaureate degree.
Legal Aspects of Corrections and Effective Workplace Relationships are traditionally fall only.
Criminal Justice & Addiction is traditionally spring only.

Guide Updated: 02-10-2016

Effective: Fall 2009
Last Updated: 7/22/15



Buchtel College of Arts and Sciences CRIMINAL JUSTICE STUDIES SECURITY ADMINISTRATION MINOR – 380012M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Criminal Justice Studies Security Administration Minor offers an extensive curriculum dealing with policy, management, technology and legal issues in physical, information, personnel and homeland security.

The following courses constitute a “Minor in Criminal Justice Studies – Security Administration” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
3800:101	Introduction to Security Administration Technology	3	
3800:231	Physical Security: Systems, Design, and Control (note b)	3	
3800:232	Legal Issues in Security Administration (note a)	3	3800:231
3800:233	Security Investigations: Principles & Practice (note a)	3	3800:231
3800:234	Computer and Information Security (note b)	3	3800:231
3800:245	Homeland Security: Principles & Practice	3	3800:231
	Total Credits for Minor	18	

NOTE: A minor in Criminal Justice Studies – Security Administration may only be awarded at the time a student receives a baccalaureate degree.

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

NOTES

- a. Traditionally Fall only (See Program Contact)
- b. Traditionally Spring only (See program contact)

PROGRAM CONTACT

Dr. David Licate, Professor and Program Coordinator for Criminal Justice Studies, 330-972-7392, licate@uakron.edu



Buchtel College of Arts and Sciences

Criminal Justice Studies (3800)

Minor: Criminal Justice Technology - Law Enforcement (380016M)

The following information has official approval of the Buchtel College of Arts and Sciences, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others. The Criminal Justice Studies Law Enforcement Minor provides an introductory program in police studies for those wishing to minor in the topic. The following courses constitute a Minor in Criminal Justice Studies Law Enforcement and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the students record.

		Credits
Core courses:		
3800:100	Intro to Criminal Justice	3
3800:105	Intro to Police Studies	3
3800:102	Principles of Criminal Law	3
3800:104	Evidence & Crim Legal Process	3
3800:251	Criminal Investigation	3
3800:260	Critical Incident Intervention	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
All prerequisites must be honored.
The following credit hour requirements apply to this minor: 18 credits. A minor will be placed on the student's record only at the time the student receives a baccalaureate degree.

Guide Updated: 02-10-2016



Buchtel College of Arts and Sciences

Criminal Justice Studies (3800)

Minor: Forensic Studies (380020M)

The following information has official approval of the Buchtel College of Arts and Sciences, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others. The Forensic Studies Minor is designed for individuals interested in the application of scientific methods to the criminal legal process. The minor provides the student with a foundation in physical and digital forensic methods, the investigative process, professional communication, the law of evidence, and the opportunity to explore a forensics discipline of their own choosing. The minor is appropriate for students majoring in a degree in any of the disciplines that currently have a forensic specialization such as chemistry, biology, nursing, computer science, or accounting. Individuals working in the legal and investigative fields that seek to enhance their scientific reasoning skills and beginners with a general interest in the subject area are welcome. The following courses constitute a "Minor in Forensic Studies" and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student's record.

		Credits
3800:100	Intro to Criminal Justice	3
3800:104	Evidence & Crim Legal Process	3
3800:251	Criminal Investigation	3
3800:253	Basic Forensic Methods	3
3800:281	Computer Forensic Methods	3
3800:286	Courtroom Communication	3
One approved elective (3 credits) in an area of specialization, e.g. Forensic Accounting, Forensic Nursing, etc.		

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
All prerequisites must be honored. Click here to find course information (including prerequisites and corequisites). Contact Summit College Academic Advising for questions or more information.
The following credit hour requirements apply to this minor: 21 credits. A minor will be placed on the student's record only at the time the student receives a baccalaureate degree.

Effective: Fall 2010
Last Updated: 2/8/17



Buchtel College of Arts and Sciences FORENSIC PSYCHOLOGY MINOR – 380021M

The following information has official approval of the **Buchtel College of Arts and Sciences** but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Forensic Psychology Minor provides an educational foundation in the application of psychological theory and methods in criminal justice.

The following courses constitute a “Minor in Forensic Psychology” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
3750:100	Introduction to Psychology	3	
3750:110	Quantitative Methods in Psychology	4	3750:100 (or Corequisite)
3750:410	Psychological Tests and Measurements	4	3750:100 & 3750:110
3800:100	Introduction to Criminal Justice	3	
3800:286	Courtroom Communication	3	3800:100
3800:287	The Legal System and Psychology	3	3800:100
3750:xxx	Electives	4	

	Total Credits for Minor	24	
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Electives		Credit Hours	Prerequisites
3750:320	Biopsychology	4	3750:100
3750:420	Abnormal Psychology	4	3750:100
3750:430	Psychological Disorders in Children	4	3750:100 & 3750:230

NOTE: A minor in Forensic Psychology may only be awarded at the time a student receives a baccalaureate degree.

PROGRAM CONTACT

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Effective: Spring 2017
Updated: 4/10/17



Buchtel College of Arts and Sciences CRIMINAL JUSTICE STUDIES Forensic Study of Behaviors MINOR – 380022M

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Forensic Study of Behaviors Minor provides an educational foundation in the application of the study of behaviors within the field of criminal justice.

The following courses constitute a “Minor in Forensic Study of Behaviors” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
3800:100	Introduction to Criminal Justice	3	
3800:224	Profiling Serial Killers	3	
3800:226	Interviews, Interrogations, and Hostage Negotiations	3	
3800:255	Introduction to Forensic Investigation	3	
3800:260	Critical Incident Interventions for Criminal Justice	3	
3850:428	The Victim and Society	3	3850:100
Total Credits for Minor		18	

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

Dr. David Licate
Professor and Program Advisor for Criminal Justice
330-972-7392
licate@uakron.edu



Buchtel College of Arts and Sciences

Sociology (3850)



Minor: Sociology (385000M)

		Credits
Required for all students:		
3850:100	Introduction to Sociology	3
A minimum of 15 additional credits of sociology courses at the 300/400 level are required. Students may wish to select courses which relate to a particular interest area. These areas are outlined in materials available in the Department of Sociology to assist in course selection for the minor program.		

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirement applies to this minor: 18 credits.

Guide Updated: 08-22-2013



College of Health Professions

Physical Education (5550)



Minor: Sport Studies - Coach Education (555235M)

This minor is only available for students not majoring in a Department of Sport Science and Wellness Education program.

		Credits
Required:		
5550:160	Introduction to Coaching	3
5550:375	Sport Performance Principles	3
5550:409	Sport Behavior	3
5550:410	Intro: Sport Sociology	3
5550:453	Principles of Coaching	3
Select 3 credits from the following:		
5550:395	Field Experience	1
5550:440	Injury Mgt for Teacher & Coach	2
5550:480	ST: Physical Education	1

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
5550:480 Should be an approved coaching class.
5550:480 ST: Physical Education should be an approved coaching class.
The following credit hour requirements apply to this minor: 18 credits.

Guide Updated: 11-11-2014



College of Health Professions

Physical Education (5550)

Minor: Sport Studies - Sport Management (555236M)

This minor is only available for students not majoring in a Department of Sport Science and Wellness Education program.

		Credits
Required:		
5550:100	Intro: Sport Studies	3
5550:370	Financial Aspects of Sport	3
5550:410	Intro: Sport Sociology	3
5550:420	Funda of Mgmt Strateg in Sport	3
5550:424	Sports Leadership	3
Select 3 credits:		
5550:364	Sport Ethics	3
5550:366	Sport Communication	3
5550:368	Sport Facility Management	3
5550:409	Sport Behavior	3
5550:422	Sport Planning/Promotion	3
5550:460	Pract: Physical Education	1

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

The following credit hour requirements apply to this minor: 18 credits.

Guide Updated: 11-11-2014

WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term minor declared.
Official requirements listed in Degree Progress Report (DPR).

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

Business Administration for Non-Business Majors (602000M)
18 Credits – All courses 3 credit hours

	PRE-REQ	DONE
Required Courses: 12 credits		
6400:300 Introduction to Finance	3250:200 or 244, 3450:145*	<input type="checkbox"/>
6200:201 Accounting Principles I	24 credits	<input type="checkbox"/>
6500:301 Management: Principles & Concepts	48 credits	<input type="checkbox"/>
6600:205 Marketing Principles	24 cr, co-req 3250:200	<input type="checkbox"/>
Electives: 6 credits. Select 2 courses from the following		
6200:xxx Accountancy Class	See course	<input type="checkbox"/>
6300:xxx Entrepreneurship Class	See course	<input type="checkbox"/>
6400:220 Legal & Social Environment of Business	32 credits	<input type="checkbox"/>
6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet proficiency	<input type="checkbox"/>
6500:3xx/4xx Management Upper Level Class	See course	<input type="checkbox"/>
6800:305 International Business	48 credits	<input type="checkbox"/>

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.

***3450:145 Algebra for Calculus** (or higher level courses 3450:149 Precalculus Mathematics, 3450:215 Concepts of Calculus or 3450:221 Analytic Geometry-Calculus I) is a required pre-requisite for this course. If 3450:145 has not already been taken, please consult with your academic advisor regarding placement into this course. If students do not place into 3450:145 College Algebra, they may be required to take additional courses in the Math sequence in order to take 3450:145. Statistics courses such as 3470:250 Statistics for Everyday Life and 3470:260 Basic Statistics are not appropriate substitutions or a pre-requisites for 3450:145 College Algebra.

For more information on UA's placement testing services, please call 330.972.6511, email testing@uakron.edu or visit Schrank Hall North room 153.



WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term minor declared.
Official requirements listed in Degree Progress Report (DPR).

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

**Pre-MBA for Non-Business Majors (602001M)
18 Credits – All courses 3 credit hours**

	PRE-REQ	DONE
Required Courses: 15 credits		
6200:201 Accounting Principles I	24 credits	<input type="checkbox"/>
6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet proficiency	<input type="checkbox"/>
6400:220 Legal & Social Environment of Business	32 credits	<input type="checkbox"/>
6400:301 Principles of Finance <i>*Students admitted to a College of Engineering major or an Actuarial Science major with 48 credit hours completed are not required to take 6200:250</i>	3250:200, 6200:201, 6200:250, ≥ C 3450:145*	<input type="checkbox"/>
3250:244 Introduction to Economic Analysis OR Both 3250:200 Microeconomics + 3250:201 Macroeconomics (pre-req is 3250:200)		<input type="checkbox"/>
Electives: 3 credits. Select 1 course from the following		
6400:302 Intermediate Corporate Finance	6400:301	<input type="checkbox"/>
6500:301 Management: Principles & Concepts	48 credits	<input type="checkbox"/>
6600:205 Marketing Principles	24 credits, Co-req: 3250:200	<input type="checkbox"/>

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.

***3450:145 Algebra for Calculus** (or higher level courses 3450:149 Precalculus Mathematics, 3450:215 Concepts of Calculus or 3450:221 Analytic Geometry-Calculus I) is a required pre-requisite for this course. If 3450:145 has not already been taken, please consult with your academic advisor regarding placement into this course. If students do not place into 3450:145 College Algebra, they may be required to take additional courses in the Math sequence in order to take 3450:145. Statistics courses such as 3470:250 Statistics for Everyday Life and 3470:260 Basic Statistics are not appropriate substitutions or pre-requisites for 3450:145 College Algebra.

For more information on UA's placement testing services, please call 330.972.6511, email testing@uakron.edu or visit Schrank Hall North room 153.

WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term minor declared.
Official requirements listed in Degree Progress Report (DPR).

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

Business Essentials for Engineering Majors (602002M)
18 Credits – All courses 3 credit hours
***Only for students in the College of Engineering**

	PRE-REQ	DONE
Required Courses: 15 credits		
3250:244 Introduction to Economic Analysis		<input type="checkbox"/>
6200:201 Accounting Principles I	24 credits	<input type="checkbox"/>
6400:220 Legal & Social Environment of Business	32 credits	<input type="checkbox"/>
6400:301 Principles of Finance <i>*Students admitted to the College of Engineering with 48 credit hours completed are not required to take 6200:250</i>	3250:200, ≥ C 3450:145* , 6200:201, 6200:250	<input type="checkbox"/>
6500:301 Management: Principles & Concepts OR 6600:205 Marketing Principles	6500:301: 48 credits; 6600:205: 24 credits, Co-req: 3250:200	<input type="checkbox"/>
Electives: 3 credits. Select 1 course from the following		
4100:400 Engineering Management & Leadership		<input type="checkbox"/>
4200:110 or 210 or 310 or 410: Project Management & Teamwork I, II, III & IV - <i>1 credit each</i>	Courses must be taken in sequence	<input type="checkbox"/>
6400:302 Intermediate Corporate Finance	6400:301	<input type="checkbox"/>
6600:275 Professional Selling	25 credits	<input type="checkbox"/>

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.

***3450:145 Algebra for Calculus** (or higher level courses 3450:149 Precalculus Mathematics, 3450:215 Concepts of Calculus or 3450:221 Analytic Geometry-Calculus I) is a required pre-requisite for this course. If 3450:145 has not already been taken, please consult with your academic advisor regarding placement into this course. If students do not place into 3450:145 College Algebra, they may be required to take additional courses in the Math sequence in order to take 3450:145. Statistics courses such as 3470:250 Statistics for Everyday Life and 3470:260 Basic Statistics are not appropriate substitutions or pre-requisites for 3450:145 College Algebra.

For more information on UA's placement testing services, please call 330.972.6511, email testing@uakron.edu or visit Schrank Hall North room 153.

WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

**Official course requirements based upon semester admitted into the CBA and/or term minor declared.
Official requirements listed in Degree Progress Report (DPR).**

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- For CBA majors: Complete at least 9 additional credits not needed for any other major, minor, or certificate.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.

***3450:145 Algebra for Calculus** (or higher level courses 3450:149 Precalculus Mathematics, 3450:215 Concepts of Calculus or 3450:221 Analytic Geometry-Calculus I) is a required pre-requisite for this course. If 3450:145 has not already been taken, please consult with your academic advisor regarding placement into this course. If students do not place into 3450:145 College Algebra, they may be required to take additional courses in the Math sequence in order to take 3450:145. Statistics courses such as 3470:250 Statistics for Everyday Life and 3470:260 Basic Statistics are not appropriate substitutions or pre-requisites for 3450:145 College Algebra.

For more information on UA's placement testing services, please call 330.972.6511, email testing@uakron.edu or visit Schrank Hall North room 153.

Entrepreneurship (630000M)		
18 Credits – All courses 3 credit hours		
	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 12 credits		
6300:201 Introduction to Entrepreneurship		<input type="checkbox"/>
6300:301 New Venture Creation (Spring Only)	6300:201	<input type="checkbox"/>
6600:205 Marketing Principles	24 cr, 3250:200 co-req	<input type="checkbox"/>
6400:300 Intro to Finance (non-Bus majors) OR 6400:301 Principles of Finance <i>*Students admitted to the College of Engineering with 48 credit hours completed are not required to take 6200:250</i>	Both = 3250:200, 3450:145; 6400:301 = 6200:201, 6200:250, ≥ C 3450:145	<input type="checkbox"/>
Electives: 6 credits. Select 2 courses from the following		
6100:499 Independent Study in Business	Permission	<input type="checkbox"/>
6200:301 Cost Management & Control ☼	Admitted to CBA major, 3250:200/244, ≥ C in 6200:201, 202, 250	<input type="checkbox"/>
6200:330 Contemporary Federal Taxation ☼	Admitted to CBA major, ≥ C in 6200:201; Co-req: 6200:321	<input type="checkbox"/>
6200:431 Business Entity Taxation ☼	Admitted to CBA major, 6200:330	<input type="checkbox"/>
6200:440 Assurance Services & Professional Responsibilities ☼	Admitted to CBA major, 6200:320, 322, 330	<input type="checkbox"/>
6200:460 Advanced Managerial Accounting ☼	Admitted to CBA major, 6200:301, 320; 6500:330, 333	<input type="checkbox"/>
6300:360 Entrepreneurial Field Project	6300:201	<input type="checkbox"/>
6400:343 Investments	6400:301/6400:300, 6500:304	<input type="checkbox"/>
6400:415 Risk Management: Health & Life Insurance (Spring Only) ☼	6400:301/6400:300	<input type="checkbox"/>
6400:473 Financial Statement Analysis ☼	6200:201, 6400:301/6400:300	<input type="checkbox"/>
6500:310 Business Info Systems	48 credits, 6200:250	<input type="checkbox"/>
6500:333 Supply Chain & Ops Analysis (Fall Only)	6500:304, 330	<input type="checkbox"/>
6500:341 Human Resource Management	3750/3850:100, Co-req = 6500:301	<input type="checkbox"/>
6500:457 International Management ☼	Jr or Sr, 6500:301	<input type="checkbox"/>
6600:432 Integrated Marketing Comm ☼	6600:205, 355	<input type="checkbox"/>
6600:275 Professional Selling	25 credits	<input type="checkbox"/>
6600:440 Brand Management ☼	6600:205, 355	<input type="checkbox"/>
6600:436 e-Commerce ☼	6600:205	<input type="checkbox"/>
6600:475 Business Negotiations ☼	25 credits, 6600:275	<input type="checkbox"/>
6800:421 Foreign Market Entry (Fall only) ☼	6800:305	<input type="checkbox"/>

WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term minor declared.
Official requirements listed in Degree Progress Report (DPR).

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- Complete at least 9 additional credits not needed for any other major, minor, or certificate.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.

**Finance for Business Majors (640000M)
18 Credits – All courses 3 credit hours**

	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 9 credits		
6400:302 Intermediate Corporate Finance	6400:301	<input type="checkbox"/>
6400:338 Financial Markets & Institutions	6400:301	<input type="checkbox"/>
6400:343 Investments	6400:301, 6500:304 or 3250:426	<input type="checkbox"/>
Electives: 9 credits. Select 3 courses from the following		
6400:200 Foundations in Personal Finance		<input type="checkbox"/>
6400:323 International Business Law (Spring Only)		<input type="checkbox"/>
6400:414 Risk Management: Property & Casualty ☼	6400:300 or 6400:301	<input type="checkbox"/>
6400:415 Risk Management: Life & Health Insurance ☼	6400:301	<input type="checkbox"/>
6400:417 Retirement Planning ☼	6400:200, 6400:301	<input type="checkbox"/>
6400:436 Commercial Bank Management (Fall Only) ☼	6400:200, 6400:301, 6200:250	<input type="checkbox"/>
6400:437 International Business Finance (Fall Only) ☼	6400:301	<input type="checkbox"/>
6400:438 International Banking (Spring Only) ☼	6400:301, 437	<input type="checkbox"/>
6400:448 Advanced Portfolio Management ☼	6400:343, and 3250:325 or 6500:305	<input type="checkbox"/>
6400:461 Enterprise Risk Management (Spring Only) ☼	6400:301, 6400:414, 6400:415, 6400:418	<input type="checkbox"/>
6400:473 Financial Statement Analysis ☼	6200:201; 6400:301	<input type="checkbox"/>
6400:489 Advanced Financial Analytics ☼	6400:302, 6400:338, 6400:343; 6500:305 or 3250:426; Sr.	<input type="checkbox"/>
6400:490 Selected Topics in Finance ☼	6400:200, 301; 6200:250	<input type="checkbox"/>

WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term minor declared.
Official requirements listed in Degree Progress Report (DPR).

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University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.

***3450:145 Algebra for Calculus** (or higher level courses 3450:149 Precalculus Mathematics, 3450:215 Concepts of Calculus or 3450:221 Analytic Geometry-Calculus I) is a required pre-requisite for this course. If 3450:145 has not already been taken, please consult with your academic advisor regarding placement into this course. If students do not place into 3450:145 College Algebra, they may be required to take additional courses in the Math sequence in order to take 3450:145. Statistics courses such as 3470:250 Statistics for Everyday Life and 3470:260 Basic Statistics are not appropriate substitutions or pre-requisites for 3450:145 College Algebra.

For more information on UA's placement testing services, please call 330.972.6511, email testing@uakron.edu or visit Schrank Hall North room 153.

**Risk Management and Insurance (640003M)
18 Credits – All courses 3 credit hours**

	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 12 credits		
6400:414 Risk Management: Property and Casualty ☼	6400:300/301	<input type="checkbox"/>
6400:415 Risk Management: Life and Health Insurance ☼	6400:300/301	<input type="checkbox"/>
6400:418 Insurance Operations (Fall Only) ☼	6400:414 or 415	<input type="checkbox"/>
6400:461 Enterprise Risk: Derivatives (Spring Only)	6400:414, 415, 418	<input type="checkbox"/>
Electives: 6 credits. Select 2 courses from the following		
3250:410 Intermediate Microeconomics	3250:200 & 201; or 244	<input type="checkbox"/>
3250:427 Economic Forecasting	3250:200 & 201 or 244; 3470:261 & 262	<input type="checkbox"/>
3250:380 Money and Banking	3250:201	<input type="checkbox"/>
3470:471 Actuarial Science I	3470:451 or 461	<input type="checkbox"/>
3470:472 Actuarial Science II	3470:471	<input type="checkbox"/>
6400:302 Intermediate Corporate Finance	6400:301	<input type="checkbox"/>
6400:338 Financial Markets and Institutions	6400:301/300	<input type="checkbox"/>
6400:343 Investments	6400:300/301; 3250:426 or 6500:304	<input type="checkbox"/>
6400:436 Commercial Bank Management (Fall Only) ☼	6200:250, 6400: 301/300, 6400:338	<input type="checkbox"/>
6400:437 International Business Finance (Fall Only) ☼	6400:301/300	<input type="checkbox"/>
6400:438 International Banking (Spring Only) ☼	6400:437	<input type="checkbox"/>
6400:448 Advanced Portfolio Management	6400:343; and 3250:325 or 6500:305	<input type="checkbox"/>
6400:473 Financial Statement Analysis ☼	6400:301/300	<input type="checkbox"/>
6400:489 Advanced Financial Analytics	6400:301, 6500:304, 6400:302, 338, 343, Sr.	<input type="checkbox"/>
6400:495 Research Project in Finance ☼	Taken w/ or following 400-level field Fin course	<input type="checkbox"/>
6400:490 Selected Topics: Finance ☼	6200:250, 6400:301	<input type="checkbox"/>
6400:499 Independent Study: Finance ☼	Dept chair permission	<input type="checkbox"/>
6400:301 Principles of Finance	3250:200/244; ≥ C 3450:145; 6200:201; 6200:250	<input type="checkbox"/>
6400:300 Introduction to Finance	3450:145; 3250:200/244	<input type="checkbox"/>
6400:341 Contemporary Investments	6400:300/301	<input type="checkbox"/>
6500:341 Human Resource Management	6500:301 (co-req) and Psych/Sociology	<input type="checkbox"/>
6600:275 Professional Selling	25 credits	<input type="checkbox"/>
6400:200 Foundations of Personal Finance		<input type="checkbox"/>
6400:323 International Business Law (Spring Only)		<input type="checkbox"/>
Students cannot get credit for both 6400:300 and 301; 6400:341 and 343; or 3250:380 and 6400:338.		

WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term minor declared.
Official requirements listed in Degree Progress Report (DPR).

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- Complete at least 9 additional credits not needed for any other major, minor, or certificate.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.

Financial Planning (640006M)		
24 Credits – All courses 3 credit hours		
	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 24 credits		
6400:200 Foundations in Personal Finance		<input type="checkbox"/>
6400:300 Introduction to Finance (non-Bus majors) OR 6400:301 Principles of Finance	Both = 3250:200/244; 3450:145; 6400:301 = 6200:201, 250, ≥ C 3450:145;	<input type="checkbox"/>
6200:410 Tax for Financial Planning (Fall Only) ☼		<input type="checkbox"/>
6200:330 Contemporary Federal Taxation* ☼	≥ C in 6200:201; Co-req: 6200:321	<input type="checkbox"/>
6400:343 Investments OR 6400:341 Contemporary Investments (non-Bus majors)	6400:343: 6400:301/300, 6500:304 or 3250:426; 6400:341: 6400:301/300	<input type="checkbox"/>
6400:415 Risk Management: Life & Health Insurance ☼	6400:301/ 6400:300	<input type="checkbox"/>
6400:417 Retirement Planning ☼	6400:301/ 6400:300	<input type="checkbox"/>
6400:432 Seminar in Financial Planning ☼	6200:330, 6200:410, 6400:300 or 301, 6400:341 or 343, 6400:417; Co-req 6400:415; Sr. standing	<input type="checkbox"/>

*6200:321 co-req for 6200:330 can be waived for Financial Planning minors

WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

**Official course requirements based upon semester admitted into the CBA and/or term minor declared.
Official requirements listed in Degree Progress Report (DPR).**

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- Complete at least 9 additional credits not needed for any other major, minor, or certificate.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.

**Information Systems Management (650004M)
18 Credits – All courses 3 credit hours**

	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 12 credits		
6500:301 Management: Principles & Concepts	48 credits	<input type="checkbox"/>
6500:310 Business Information Systems	48 credits, 6200:250	<input type="checkbox"/>
6500:324 Data Management for Information Systems (Fall Only)	48 credits, 6200:250	<input type="checkbox"/>
6500:325 Systems, Analysis & Design (Spring Only)	6500:315	<input type="checkbox"/>
Electives: 6 credits. Select 2 courses from the following		
6500:315 Applications Development for Business Processes (Fall Only) OR 3460:210 Computer Science II (4 credits) OR AP Computer Science Exam with grade 3.0 or better	6500:315 = 48 credits, 6200:250; 3460:210 = 3460:209, C- in 3450:208	<input type="checkbox"/>
6500:420 Management of Data Networks (Spring Only) ☼	64 credits, 6500:310	<input type="checkbox"/>
6500:425 Decision Support with Data Warehousing & Data Mining (Fall Only) ☼	6500:305, 6500:324	<input type="checkbox"/>
6200:250 Spreadsheet Modeling & Decision Analysis	Spreadsheet Proficiency	<input type="checkbox"/>



WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term minor declared.
Official requirements listed in Degree Progress Report (DPR).

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- Complete at least 9 additional credits not needed for any other major, minor, or certificate.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

**Human Resource Management (650005M)
18 Credits – All courses 3 credit hours**

	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 9 credits		
6500:301 Management: Principles & Concepts	48 credits	<input type="checkbox"/>
6500:310 Business Information Systems	48 credits, 6200:250	<input type="checkbox"/>
6500:341 Human Resource Management	3750 or 3850:100; co-req= 6500:301	<input type="checkbox"/>
Electives: 9 credits. Select 3 courses from the following		
6500:302 Organization Behavior & Leadership	6500:301	<input type="checkbox"/>
6500:342 Labor & Employee Relations (Spring Only)	64 credits; co-req = 6500:341	<input type="checkbox"/>
6500:442 Compensation Management and Reward Systems (Fall Only) ☼	64 credits, 6500:341	<input type="checkbox"/>
6500:443 HR Selection and Staffing (Spring Only) ☼	64 credits, 6500:341	<input type="checkbox"/>
6500:457 International Management ☼	Junior/ Senior; 6500:301	<input type="checkbox"/>

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.



WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term minor declared.
Official requirements listed in Degree Progress Report (DPR).

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- Complete at least 9 additional credits not needed for any other major, minor, or certificate.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

**Supply Chain Management (650203M)
18 Credits – All courses 3 credit hours**

	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 18 credits		
6500:304 Business Statistics	≥ C- in 3450:145, 6200:250	<input type="checkbox"/>
6500:301 Management: Principles & Concepts	48 credits	<input type="checkbox"/>
6500:330 Principles of Supply Chain & Operations Management	32 credits	<input type="checkbox"/>
6500:390 Supply Chain Modeling & Decision Making (Fall Only)	6200:250, 6500:330, 6500:304	<input type="checkbox"/>
6500:433 Supply Chain Logistics Planning (Spring Only) ☼	64 credits, 6500:330	<input type="checkbox"/>
6500:476 Supply Chain Sourcing (Spring Only) ☼	6500:330	<input type="checkbox"/>

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.

WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term minor declared.
Official requirements listed in Degree Progress Report (DPR).

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- Complete at least 9 additional credits not needed for any other major, minor, or certificate.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.

Professional Selling (660101M)		
18 Credits – All courses 3 credit hours		
	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 9 credits		
6600:275 Professional Selling	25 credits	<input type="checkbox"/>
6600:475 Business Negotiations ☼	25 credits, 6600:275	<input type="checkbox"/>
6600:478 Advanced Professional Selling ☼	6600:275	<input type="checkbox"/>
Electives: 9 credits. Select 3 courses from the following		
6100:101 Business Issues in a Connected World		<input type="checkbox"/>
6600:205 Marketing Principles	24 credits, co-req 3250:200	<input type="checkbox"/>
6600:480 Sales Management ☼	6600:205	<input type="checkbox"/>
6300:201 Introduction to Entrepreneurship		<input type="checkbox"/>
6400:200 Foundations of Personal Finance		<input type="checkbox"/>
6400:343 Investments	6400:301 or 6400:300; 6500:304	<input type="checkbox"/>
6400:417 Retirement Planning (Fall Only) ☼	6400:301 or 6400:300	<input type="checkbox"/>
6500:302 Organizational Behavior & Leadership Skills	6500:301	<input type="checkbox"/>
6500:341 Human Resource Management	3750:100 or 3850:100, & 6500:301 (co-req)	<input type="checkbox"/>
6500:457 International Management ☼	Jr or Sr., 6500:301	<input type="checkbox"/>
6800:421 Foreign Market Entry (Fall Only) ☼	6800:305	<input type="checkbox"/>

WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

**Official course requirements based upon semester admitted into the CBA and/or term minor declared.
Official requirements listed in Degree Progress Report (DPR).**

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University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- Complete at least 9 additional credits not needed for any other major, minor, or certificate.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

**Database Marketing (660109M)
18 Credits – All courses 3 credit hours**

	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 15 credits		
6500:324 Data Management for Info Systems (Fall Only)	48 credits, 6200:250	<input type="checkbox"/>
6600:335 Marketing Research	6600:205, 6500:304; co-req 6600:336	<input type="checkbox"/>
6600:375 Marketing & Sales Analytics	6600:335	<input type="checkbox"/>
6500:425 Decision Support with Data Warehousing & Data Mining (Fall Only) ☼	6500:305,324	<input type="checkbox"/>
6600:436 e-Commerce ☼	6600:205	<input type="checkbox"/>
Electives: 3 credits. Select 1 course from the following		
6600:460 Business to Business (B2B) Marketing ☼	6600:205	<input type="checkbox"/>
6600:432 Integrated Marketing Communication ☼	6600:205, 355	<input type="checkbox"/>
6600:438 Media Strategy (Fall Only) ☼	6600:205, 432	<input type="checkbox"/>

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.

WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

**Official course requirements based upon semester admitted into the CBA and/or term minor declared.
Official requirements listed in Degree Progress Report (DPR).**

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- Complete at least 9 additional credits not needed for any other major, minor, or certificate.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

Database Marketing (660109M)		
18 Credits – All courses 3 credit hours		
	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 15 credits		
6500:324 Data Management for Info Systems (Fall Only)	48 credits, 6200:250	<input type="checkbox"/>
6600:335 Marketing Research	6600:205, 6500:304; co-req 6600:336	<input type="checkbox"/>
6600:375 Marketing & Sales Analytics	6600:335	<input type="checkbox"/>
6500:425 Decision Support with Data Warehousing & Data Mining (Fall Only) ☼	6500:305,324	<input type="checkbox"/>
6600:436 e-Commerce ☼	6600:205	<input type="checkbox"/>
Electives: 3 credits. Select 1 course from the following		
6600:460 Business to Business (B2B) Marketing ☼	6600:205	<input type="checkbox"/>
6600:432 Integrated Marketing Communication ☼	6600:205, 355	<input type="checkbox"/>
6600:438 Media Strategy (Fall Only) ☼	6600:205, 432	<input type="checkbox"/>

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.

WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term minor declared.
Official requirements listed in Degree Progress Report (DPR).

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

University of Akron Policies for Minors:

- Complete all minor requirements prior to graduation.
- Earn a 2.0 GPA in all minor coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
- Complete at least 9 additional credits not needed for any other major, minor, or certificate.
- Earn at least 9 credits at The University of Akron in the CBA.
- Declare the minor in the Business Undergraduate Advising Office, CBA room 260.

This Graduation Planning Summary (GPS) is based on the term you declare your minor & expires in 5 years. Requirements can be subject to change. Students should meet with an academic advisor and check DPR to review academic progress and determine course sequencing each semester. Please see the CBA advising website for specific Admission criteria for the College of Business.

International Business (680000M)		
18 Credits – All courses 3 credit hours		
	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 9 credits		
6800:305 International Business	48 credits	<input type="checkbox"/>
6400:323 International Business Law (Spring Only)		<input type="checkbox"/>
6800:421 Foreign Market Entry (Fall Only) ☼	6800:305	<input type="checkbox"/>
Electives: 9 credits. Select 3 courses from the following		
6200:408 International Financial Reporting & Analysis (Spring Only) ☼	Admitted to CBA major; ≥ C in 6200:201, 202	<input type="checkbox"/>
6400:437 International Business Finance ☼	6400:301 or 6400:300	<input type="checkbox"/>
6400:438 International Banking (Spring Only) ☼	6400:301, 437	<input type="checkbox"/>
6500:433 Supply Chain Logistics Planning (Spring Only) ☼	64 credits, 6500:330	<input type="checkbox"/>
6500:457 International Management ☼	Junior/ Senior; 6500:301	<input type="checkbox"/>
6500:460 Special Topics in Management ☼		<input type="checkbox"/>
3250:461 Principles of International Economics ☼	3250:200, 201; OR 3250:244	<input type="checkbox"/>
3700:300 Comparative Politics (4 credits)		<input type="checkbox"/>
3700:310 International Politics & Institutions		<input type="checkbox"/>
6800:422 Foreign Marketing Distance Analysis (Fall Only) ☼	6800:305, 406	<input type="checkbox"/>
6800:459 Special Topics: International Management (1-3 credits) ☼		<input type="checkbox"/>
6800:496 Special Topics: International Business (1-3 credits) ☼		<input type="checkbox"/>

College of Polymer Science and Polymer Engineering

POLYMER ENGINEERING AND POLYMER SCIENCE

Polymer Science and Polymer Engineering MINOR – 982100M

The following information has official approval of the **College of Polymer Science and Polymer Engineering** but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. Completion of this minor within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Minor in *Polymer Science and Polymer Engineering*” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
Core Curriculum (9 credits - All Required)			
9821:201	Introduction to Polymer Science	3	3450:221, 3150:151
9821:202	Introduction to Polymer Engineering	3	3450:222, 3650:291
9821:301	Polymer Materials Science and Engineering	3	3450:223 Co-reqs: 3150:313, 4600:300, 3650:340
Laboratory Experience (3 credits – choose 1) ¹			
9841:451	Polymer Engineering Laboratory	3	
9841:497	Honors Project	1-3	Senior standing in the Honors Program
9841:498	Research Problems in Polymer Engineering	1-3	Permission of Department Chair
9841:499	Polymer Engineering Design Project	3	4600:400
9871:405	Polymer Science Laboratory	3	4200:408 or 9821:301 or 9871:403
9871:497	Honors Project in Polymer Science	1-3	Sophomore, junior, or senior standing in Honors College and permission of honors preceptor in the home department.
9871:499	Research Problems in Polymer Science	1-3	
Elective Courses ² (6 credits – choose 2)			
9841:422	Polymer Processing	3	[4200:321 and 4200:351] or [4600:310 and 4600:315]
9841:450	Properties of Solid Polymers	3	4200:408 or 4300:202 or 9821:301
9871:403	Polymer Chemistry	3	3150:263 and 3150:313
9871:404	Polymer Physics	3	4200:408 or 9821:301 or [3150:313 and 3450:223]
Total Credits for Minor		18	

NOTE:

1. 9841:498/9871:497/9871:499 May be taken multiple semesters to satisfy 3 credit requirement

2. Elective courses in other departments (e.g. Biomedical Engineering, Chemical and Biomolecular Engineering, Chemistry, Physics) may be taken as elective courses with permission of the Dean of the College Polymer Science and Polymer Engineering

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

PROGRAM CONTACT

Kevin Cavicchi
Associate Dean of Academic Affairs,
College of Polymer Science and
Polymer Engineering
330-972-8368
cavicchi@uakron.edu

Certificate programs

(Curriculum Guides)

Buchtel College of Arts and Sciences Center for Family Studies *Home Based Intervention Therapy* Certificate – H40200C

The following information has official approval of the Buchtel College of Arts and Sciences, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Certificate in *Home Based Intervention Therapy*” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
<i>Core (9-11 credits)</i>			
1820:403	HBI Theory	3	Admission to HBI certificate program
1820:404	HBI Techniques and Practice	3	1820:403
1820:405	HBI Internship	3-5	1820:404
<i>Eligibility Courses (min. 9 credits)—must select one course from each of the following disciplines</i>			
Psychology			
3750:100	Introduction to Psychology	3	
3750:230	Developmental Psychology	4	3750:100
3750:335	Dynamics of Personality	4	3750:100
Child and Family Development			
3760:265	Child Development	3	
3760:360	Parent-Child Relations	3	3760:265
3760:362	Family Life Management	3	
Sociology/Social Work			
3850:100	Introduction to Sociology	3	
3850:340	The Family	3	3850:100
7750:276	Introduction to Social Welfare	3	
7750:455	Social Work Practice with African Americans	3	7750:401
<i>Electives (min. 9 credits)—must select 1 course form 3 different disciplines outside major degree area</i>			
Psychology			
3750:400	Personality	4	3750:100 and 335
3750:420	Abnormal Psychology	4	3750:100
3750:430	Psychological Disorders of Children	4	3750:100 and 230
Child and Family Development			
3760:401	American Families in Poverty	3	3760:201 or 265
3760:404	Middle Childhood and Adolescence	3	3760:201 and 265
3760:440	Family Crisis	3	
3760:442	Human Sexuality	3	3760:201
Sociology			
3850:410	Social Structures and Personality	3	3850:100
3850:412	Socialization: Child to Adult	3	3850:100

3850:430	Juvenile Delinquency	3	3850:100
3850:450	Sociology of Mental Illness	3	3850:100
Special Education			
5610:440	Dev Char of Exceptional Individuals	3	Instructor permission
5610:459	Coll & Consult: School and Community	3	5610:225
Social Work			
7750:451	Social Work in Child Welfare	3	7750:401
7750:452	Social Work in Mental Health	3	7750:401
7750:454	Social Work – Juvenile Justice	3	7750:401
Total Credits for Certificate		27	

PROGRAM CONTACT

Dr. Pamela Schulze
 Director, Center for Family Studies
 Professor, Child & Family Development
 330-972-7725
 Email schulze@uakron.edu

Effective: 9/1/1996
Updated: 1/12/2018



Buchtel College of Arts and Sciences Child and Family Development Case Management for Children and Families Certificate – H40202C

The following information has official approval of the Buchtel College of Arts and Sciences, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Certificate in Case Management for Children and Families” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
<i>Core Courses (9 credits)</i>			
3760:461	Case Mgmt for Children & Families I	3	
3760:462	Case Mgmt for Children & Families II	3	3760:461
3760:463	Prac Cross-Syst Case Mgmt for Chldrn & Fam	3	3760:461, 462 and 3 elective credits
<i>Electives (minimum 6 credits)</i>			
3760:401	American Families in Poverty	3	3760:201 or 3760:265
3760:404	Middle Childhood and Adolescence	3	3760:201 and 3760:265
3760:440	Family Crisis	3	
3760:446	Culture, Ethnicity & Family	3	3760:201 or 3760:265
1820:403	Home-Based Intervention Theory	3	Permission
1820:404	Home-Based Intervention Tech & Practice	3	1820:403
Total Credits for Certificate		15	

PROGRAM CONTACT

Dr. Pamela Schulze
Director, Center for Family Studies
Professor, Child & Family Development
330-972-7725
Email schulze@uakron.edu

Buchtel College of Arts and Sciences CHILD AND FAMILY DEVELOPMENT PARENT AND FAMILY EDUCATION Certificate – H40203C

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Parent and Family Certificate” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
Core- complete the following (GRADES OF “C” OR BETTER MUST BE EARNED IN THE THREE CORE COURSES):			
3760:265	Child Development	3	
3760:360	Parent-Child Relations	3	3760:265
3760:496	Parent Education	3	3760:265
Electives: 6 (see note)			
Child & Family Development:			
3760:201	Courtship, Marriage & Family Relations	3	
3760:255	Fatherhood: Parent Role	3	3760:201 or 3760:265
3760:362	Family Life Management	3	
3760:401	American Families in Poverty	3	3760:201 or 3760:265
3760:404	Middle Childhood and Adolescence	3	3760:201 and 3760:265 or perm of instructor.
3760:440	Family Crisis	3	
3760:441	Family Relationships in Middle and Later Years	3	
3760:442	Human Sexuality	3	3760:201 or permission of instructor.
3760:446	Culture, Ethnicity & Family	3	3760:201 or 3760:265, and senior status.
Social Work:			
7750:270	Diversity and Social Work	3	
7750:276	Introduction to Social Welfare	3	
7750:455	Social Work Practice with African American Families	3	3760:401 or permission of instructor.
Psychology:			
3750:230	Developmental Psychology	4	3750:100
3750:335	Dynamics of Personality	4	3750:100
3750:430	Psychological Disorders of Children	4	3750:100 and 3750:230
Sociology:			
3850:340	The Family	3	3850:100
3850:412	Socialization: Child to Adult	3	3850:100
Anthropology:			
3230:251	Human Diversity	3	
Special Education:			

5610:460	Family Dynamics & Communication in the Education Process	3	5610:225
	Total Credits for Certificate	15	

NOTE: Students must successfully complete six credits of coursework selected from the various departmental courses listed below. These credits shall be chosen from departments outside the student's disciplines.

PROGRAM CONTACT

Dr. Pamela Schulze
 Professor, Child & Family Development
 330-972-7725
 schulze@uakron.edu



Buchtel College of Arts and Sciences

Music - School of (7500)



Certificate: Piano Pedagogy (C50210C)

This certificate program in Piano Pedagogy is designed for students who wish to expand or update their skills with exposure to new methods and materials. The program can be completed in one year of full time enrollment or two years of part time enrollment. This certificate can also be completed independent of a degree program. Students must pass music placement tests and play a piano audition for admission into the program.

		Credits
Required:		
7500:121	Theory & Musicianship I	4
7500:122	Theory & Musicianship II	4
7500:154	Music Literature I	2
7500:155	Music Literature II	2
7500:271	Piano Pedagogy & Literature I	2
7500:272	Piano Pedagogy & Literature II	2
7500:497	Indp Study: Music	1
Take twice at 4 credits each: 7520:125 Piano.		

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this certificate: 26 credits.

Guide Updated: 08-22-2013

Effective: Summer 2018
Updated: 2/23/18



Buchtel College of Arts and Sciences The School of Communication Professional Social Media Certificate – C60108C

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Certificate in Professional Social Media” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
7600:209	Principles of Social Media	3	
7600:210	Multiplatform Production	3	
7600:429	Advanced Strategic Social Media	3	7600:209 or 7600:219
7600:487	Adv. Topics in Media Writing: New Media	3	
Total Credits for Certificate		12	

NOTE: In order to complete the certificate, 7600:487 Advanced Topics in Media Writing must be taken with the “New Media” course topic designation. The prerequisite will be waived for certificate students.

PROGRAM CONTACT

Julie A Cajigas
Associate Professor of Practice,
School of Communication
330-972-6914
julieca@uakron.edu



College of Health Professions

Speech-Language Pathology and Audiology (7700)

Certificate: Manual Communication (H70007C)

This Certificate is designed to expose students to American Sign Language so they can communicate with Deaf/hearing impaired persons. Certificate holders will build toward communication competency in American Sign Language as well as cultural sensitivity regarding the Deaf community. This Certificate is open to undergraduate majors in any discipline as well as persons with a baccalaureate degree from the University or any other accredited institution. This certificate may also be earned independent of earning a degree.

		Credits
7700:101	American Sign Language I	3
7700:102	American Sign Language II	3
7700:201	American Sign Language III	3
7700:202	American Sign Language IV	3
7700:222	Survey Deaf Culture in America	2
7700:245	First Respond to the Deaf Comm	4

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

The following credit hour requirement applies to this certificate: 18 credits.

Guide Updated: 08-19-2013



Buchtel College of Arts and Sciences

Communication - School of (7600)



Certificate: Professional Communication (H70008C)

The program will help meet our technological society's growing need for educated people who can develop sophisticated strategies for effective communication of business and technical information. People in the business community increasingly depend on communication to solve complex management, sales and information processing problems. The communication demands of business and industry are significant, and in many ways, different from those dealt with in traditional courses and majors. This certificate will recognize their preparation for handling the communication needs of business and industry, and must be earned concurrently with an undergraduate (associate or bachelor's) degree. A student who already possesses an undergraduate degree may directly pursue this certificate.

		Credits
3300:390	Professional Writing I	3
3300:391	Professional Writing II	3
7600:309	Public Relations Publication	3
7600:345	Adv Presentational Communicati	3
Because all four courses have prerequisites, students should consult course descriptions in the Undergraduate Bulletin to determine prerequisites.		

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this certificate: 12 credits.

Guide Updated: 08-26-2013



College of Health Professions

School of Speech Language Pathology Audiology (7700)

Certificate: The Resilient Child (H70010C)

This certificate is designed for students interested in working with children affected with health issues in a variety of settings. It will provide a foundation in typical and atypical child and adolescent characteristics, common stressors of children in various domains, emotional and physical impact of illness on children, and effective strategies for working with children experiencing health related challenges. As part of the Resilient Child Certificate, students gain lab experience at The University of Akron Center for Child Development and hands-on experience with children in The Speech Language Pathology Audiology Clinic.

The awarding of this certificate is not contingent upon completion of a degree program.

Core Course Requirements:		Credits
7700:300	The Resilient Child	3
7700:301	The Resilient Child Lab	1
7700:303	National Health and Safety Performance Standards in Child Care Settings (on-line)	1
In addition to the core requirements, students must complete 6 credits from the following:		
7700:451	Hospital Settings, Children and Families	3
7700:452	Children, Illness and Loss	3
7700:454	Child in the Hospital	4
8200:410	Nursing of Families with Children	5
8200:350	Nursing of Childbearing Family	5
7600:132	Early Childhood Nutrition	3
7600:133	Nutrition Fundamentals	3
7600:141	Food for the Family	3
7700:330	Language Disorders	3
7700:230	Language Science and Acquisition	4
7750:404	Social Work Practice IV-Practice with Families and Children	3
7750:454	Social Work in Juvenile Justice	3

7750:480	Social Work with Adolescents	3
7750:480	Child Welfare II	3
7750:451	Social Work and Child Welfare	3
7750:456	Social Work in Health Services	3
3750:100	Intro to Psychology	3
3750:230	Developmental Psychology	4
3750:430	Psychological Disorders of Children	4
3850:100	Intro to Sociology	4
3850:340	Sociology of the Family	3
3850:342	Sociology of Health and Illness	3
5610:225	Dev Characteristics of Exceptional Individuals (permission)	3
5610:460	Family Dynamics & Communication in Educational Process	3
5610:448	Individuals with Moderate/Intensive Educational Needs Characteristics and Implications	4
5610:459	Collaboration and Consultation in Schools and Communities	3

Distribution Requirements

All prerequisites must be honored. This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

The following credit hour requirement applies to this certificate: 11 credits.

Effective: Fall 2016
Last Updated: 2/27/17



College of Applied Science and Technology APPLIED PROFESSIONAL WRITING Certificate – 202000C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

This certificate, involving a minimum of 12 credit hours, will help students to apply such skills to pragmatic workplace scenarios. The granting of this certificate does not require the completion of a degree. At least 6 of the 12 credit hours must be taken through the Department of Applied General and Technical Studies.

The following courses constitute a “Certificate in Applied Professional Writing” and must be completed with a minimum grade point average of 2.5 overall for the certificate to be noted on the student’s record.

Course	A minimum of 12 credit hours must be completed from the following:	Credit Hours	Prerequisites
2020:120	Writing and Editing	1	
2020:123	Writing for Presentations	1	
2020:216	Collaborative Writing	1	
2020:220	Writing and Research	1	2020:121, 3300:111 or equivalent
2020:222	Technical Report Writing	3	2020:121, 3300:111 or equivalent
2020:224	Writing for Advertising	3	2020:121, 3300:111 or equivalent
2020:227	Writing for the World Wide Web	3	2020:121, 3300:111 or equivalent
2020:290	Special Topics	1-4	Permission
2020:325	Signs of Professional Writing	1	2020:121, 3300:111 or equivalent
200/300/400	Level of writing-intensive courses approved by English area faculty of the Department of Applied General and Technical Studies	1-6	
	Total Credits for Certificate	12	

To Apply: Go to the College of Applied Science & Technology Advising Office, Polsky 301.

Certificate Contact: Kelly Webb Bronstrup, Polsky 131, 330-972-7140 or kwebb@uakron.edu

Department Chair: Dr. Irina Chernikova, Polsky 131, 330-972-6529 or irina@uakron.edu

Website: <http://www.uakron.edu/agts/index.dot>



College of Applied Science and Technology

Department of Applied General and Technical Studies (2020)

Certificate: Workplace Writing (202001C)

This certificate helps students to develop diverse writing skills and to apply such skills to pragmatic workplace scenarios. The granting of this certificate does not require the completion of a degree. However, all coursework can be applied to an associate degree or a baccalaureate degree. At least 6 of the 12 credit hours must be taken through the College of Applied Science & Technology.

The awarding of this certificate is not contingent upon completion of a degree program. Students entering the program must pass department placement exams or complete the following Bridge Courses prior to enrolling in the program.

Core Course Requirements:		Credits
2020:121	English 121 or equivalent	3
2020:222	Technical Report Writing	3
In addition to the core requirements, students must complete 3 elective credits from the following:		
2020:120	Writing and Editing	1
2020:123	Writing for Presentations	1
2020:216	Collaborative Writing	1
2020:224	Writing for Advertising	3
2020:223	Electronic Reference Resources in the Computer Age	3
2020:227	Writing for the World Wide Web	3
2020:290	Special Topics (By Permission)	1-4
2020:325	Signs of Professional Writing	1

Distribution Requirements

All prerequisites must be honored. [Click here](#) to find course information (including prerequisites and co-requisites). Contact [Summit College Academic Advising](#) for questions or more information.

The following credit hour requirement applies to this certificate: 12 credits.



Wayne College

English - Associate Studies (2020)



Certificate: Workplace Communication (202100CW)

This certificate prepares individuals for the workplace communication skills demanded by today's employers. Courses focus on functional skills (writing, editing, oral presentations), as well as theoretical and technological foundations (ethics, computer-assisted design) applicable in the workplace. For employees already on the job, the certificate offers the opportunity to update skills and satisfy corporate demands; for current students, the certificate provides competence in workplace communication skills that prospective employers will seek.

		Credits
2020:222	Technical Report Writing	3
2420:301	Information Design	3
2420:302	Ethical Issues in the Wrkplace	3
Select one:		
7600:105	Introductn to Public Speaking	3
7600:106	Effective Oral Communication	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this certificate: 12 credits.

Guide Updated: 08-23-2013

Effective: Fall 2016
 Last Updated: 10/4/16



College of Applied Science and Technology TECHNICAL MATHEMATICS Certificate – 203001C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

This certificate is aimed at developing technical mathematics knowledge and the ability to apply this knowledge in an industrial setting. The granting of this certificate does not require the completion of a degree. However, all coursework can be applied to an associate degree or a baccalaureate degree. A minimum of 11 hours is required for completion of the certificate with a minimum grade point average of at least 2.5. At least 6 of the 11 credit hours must be taken through the College of Applied Science & Technology. Students are required to take the following courses, or their equivalents, for completion of the certificate.

The following courses constitute a “Certificate in Technical Mathematics.”

Required Courses		Credit Hours	Prerequisites
2030:154	Technical Mathematics IV	3	2030:153 or placement
2030:255	Technical Calculus I	3	2030:154 or placement
2030:356	Technical Calculus II	3	2030:255
2030:361	-OR- Applied Cryptography	3	2030:154
2030:480	-OR- Advanced Topics in Technical Mathematics	2	2030:255
	SUBTOTAL REQUIRED COURSES	8 - 9	
xxxx:xxx	SUBTOTAL ELECTIVES	2 - 3	
	GRAND TOTAL Credits for Certificate	11	

Electives: A minimum of 2 credit hours must be completed from the following.

2030:345	Technical Data Analysis	2	2030:154
2030:260	Advanced Trigonometry	2	2030:153
2030:361	Applied Cryptography	3	2030:154
2030:480	Advanced Topics in Technical Mathematics	2	2030:255
2030:290	Special Topics	1 – 4	See bulletin
3450:200 /300 /400	Level mathematics courses approved by the Technical Mathematics faculty of the Dept. of Applied General and Technical Studies	1 – 4	See bulletin

To apply, go to: College of Applied Science & Technology Advising Services, Polsky 301.

Certificate Contact: Katie Cerrone, Polsky 131, 330-972-8809 or kc24@uakron.edu
 Kelly Webb Bronstrup, Polsky 131, 330-972-7140 or kwebb@uakron.edu

Department Chair: Dr. Irina Chernikova, Polsky 131, 330-972-6529 or irina@uakron.edu

Website: <http://www.uakron.edu/agts/index.dot>

Effective: Fall 2008
Last Updated: 9/15/14



College of Applied Science and Technology FIRE PROTECTION TECHNOLOGY Certificate – 223001C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

Fire continues to be a problem in the United States even though the loss of lives is declining due to new, innovative public education programs, rigorous enforcement of building and fire code enforcement and the application of advanced technology related to fire detection and suppression systems. However, with the loss of civilian lives ranging from 4,050 to 4,440 each year and property loss continuing to escalate, the need for well-educated fire fighters becomes more important as community resources are reallocated. The Fire Protection Technology certificate will assist the student in acquiring the knowledge and skills necessary to function effectively as a fire protection specialist.

This certificate may be earned independent of earning a degree.

The following courses constitute a “Certificate in Fire Protection” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2230:100	Introduction to Fire Protection	4	
2230:102	Fire Safety in Building Design & Construction	3	
2230:104	Fire Investigation Methods	4	
2230:202	Incident Management for Emergency Responders	4	
2230:204	Fire & Life Safety Education	3	
2230:205	Fire Detection & Suppression Systems	3	
2230:250	Hazardous Materials	4	2230:100
	Total Credits for Certificate	25	

CONTACT INFORMATION: Ohio Board of Regents Validation Center Coordinator and Lead Faculty Member – Mr. Dennis Ragins MPA, EMTP, The Polsky Building 161, 330-972-2051 or dragins@uakron.edu

Effective: Spring 2016
Last Updated: 7/1/16



College of Applied Science and Technology EMERGENCY MANAGEMENT Certificate – 223102C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The discipline of emergency management continues to evolve. Emergency management is becoming more complex and there is a demand for well-educated individuals in both the private and public sectors.

These courses provide emergency management foundations which can be applied to many careers including but not limited to : crisis management, business continuity, health services, public administration, political science, geography, homeland security, communications, and computer information systems or related areas. The courses offered provide emergency management skills useful in many careers whether as a student or a practitioner looking to expand their knowledge. The granting of this certificate does not require completion of a degree.

The following courses constitute a “Certificate in Emergency Management” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2235:305	Principles of Emergency Management	3	
2235:350	Disaster Preparedness and Response	3	2235:305
2235:370	Hazard Science and Management	3	
2235:xxx	Emergency Management Electives	12	

	Total Credits for Degree	21	
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Electives		Credit Hours	Prerequisites
2235:425	Private Sector Disaster Applications	3	2235:305
2235:340	Disaster Research Methods	3	
2235:360	Introduction to Terrorism	3	
2235:420	Disaster Vulnerability	3	2235:305
2235:285	Disasters in Film and Media	3	
2235:401	Crisis Leadership	3	
2235:365	Disaster Mitigation	3	2235:305
2235:367	Disaster Recovery	3	
2235:490	Current Topics in Emergency Management	3	2235:305 & 350

PROGRAM CONTACT

Program Lead Faculty Dr. Stacy Willett, at 330-972-8317, POLSKY 161; e-mail at smuffet@uakron.edu

Effective: Fall 2010
Last Updated: 1/6/16



College of Applied Science and Technology COMPUTER FORENSICS Certificate – 225001C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Computer Forensics Certificate provides an educational foundation in both the legal and technical aspects of computer crime investigation. Students explore the criminology of high technology crime, criminal law as it applies to digital evidence, the investigative process, and professional communication. Students will gain hands-on experience with contemporary forensic tools and receive technical instruction in computer hardware, networks, and operating systems. Individuals working in the legal and investigative fields that seek to enhance their technical skills and beginners with a general interest in the subject area are welcome.

This certificate may be earned independent of earning a degree.

The following courses constitute a “Certificate in Computer Forensics” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
3800:100	Introduction to Criminal Justice	3	
3800:280	Cybercrime	3	
2440:145	Operating Systems	3	
2440:201	Networking Basics	3	
3800:281	Computer Forensic Methods	3	3800:100 or 3800:101
3800:286	Courtroom Communication	3	3800:100
2440:247	Hardware Support	3	
Total Credits for Certificate		21	

Pre-req for the computer courses is 2440:105 Introduction to Computers and Application Software or a placement test.

PROGRAM CONTACT:
Stanley Smith, Polsky 161, 330-972-6950, shsmith@uakron.edu

College of Applied Science and Technology
Computer Security
 Certificate (225002C)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

The Computer Security Certificate provides an educational foundation in the policy, management, and technical aspects of computer and information security. Students explore the criminology of high technology crime, the legal aspects of information security, the investigative process, and basic digital forensic methods. In addition, students will receive technical instruction in computer hardware and networking. Individuals working in security and investigative fields that seek to enhance their technical skills and beginners with a general interest in the subject area are welcome.

This certificate may be earned independent of earning a degree.

The following courses constitute a "Certificate in Computer Security" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

√	Courses	Credits	Prerequisites
	3800:101 Introduction to Security Administration Technology	3	
	3800:234 Computer and Information Security	3	3800:101
	3800:280 Cybercrime	3	
	2440:201 Networking Basics 2600:240 -OR- Microsoft Desktop Environment	3	
	2440:202 Router and Routing Basics 2600:242 -OR- Microsoft Networking II	3	2440:201
	2440:247 Hardware Support	3	
	3800:281 Computer Forensic Methods	3	3800:100 or 3800:101
	Total Credits for Certificate	xxx	

Prerequisite for the computer courses is 2440:105 Introduction to Computers and Application Software or a placement test.

Program Contact

Stanley Smith, Polsky 161, 330-972-6950, shsmith@uakron.edu

Effective: Fall 2017
Updated: 8/8/17



College of Health Professions Social Work Addiction Services - Basic Certificate – 226106C

The following information has official approval of the **College of Health Professions**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a "Certificate in Addiction Services - Basic" and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student's record.

Course		Credit Hours	Prerequisites
7750:210	Addiction Prevention, Treatment, and Recovery	3	
7750:240	Substance Use and Abuse	3	
7750:260	Introduction to Addiction	3	
7750:261	Addiction Treatment	4	7750:260
7750:267	Addiction Screening, Assessment, and Treatment Planning	3	7750:260
Total Credits for Certificate		16	

PROGRAM CONTACT:

John Ellis
jellis@uakron.edu
330-972-5275

Effective: Fall 2017
Updated: 8/8/17



College of Health Professions Social Work Addiction Services - Advanced Certificate – 226107C

The following information has official approval of the **College of Health Professions**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Certificate in Addiction Services - Advanced” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
Core Requirements: Students must complete all courses			
7750:263	Group Principles in Addiction	3	7750:260
7750:264	Addiction and the Family	3	
7750:272	Relapse Prevention	3	
Electives: 3 credits			
7750:265	Women and Addiction	3	
7750:268	Co-Occurring Disorders	3	
7750:269	Criminal Justice and Addiction	3	
7750:270	Diversity and Social Work	3	
7750:271	Behavioral Addictions	3	
Total Credits for Certificate		12*	

NOTE: The following credit hour requirement applies to this certificate: 28 credits – Complete Basic 16 credits PLUS the 12 credits required above.

PROGRAM CONTACT:

John Ellis
jeellis@uakron.edu
330-972-5275

Effective: Spring 2016
Last Updated: 1/4/16



College of Applied Science and Technology HOSPITALITY MANAGEMENT HOTEL/LODGING MANAGEMENT Certificate – 228003C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Hospitality Management certificate in Culinary Arts, Hotel/Lodging Management, and Restaurant Management are intended to meet the needs of persons who are active or wish to become active in the hospitality industry and are seeking to acquire specific knowledge which will be of immediate use in their careers. The certificates are also of use to non-hospitality majors who wish to broaden their skills and employability.

The award of these certificates is not contingent upon completion of a degree program. All courses taken may be applied toward an associate degree in hospitality management.

The following courses constitute a “Certificate in Hospitality Management – Hotel/Lodging Management” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2280:101	Introduction to Hospitality	3	
2280:120	Safety and Sanitation	1	
2280:232	Dining Room Service and Training	3	
2280:250	Front Office Operations	3	2280:101, 2030:161, 2420:211
2280:268	Revenue Centers	3	2280:101
2280:278	Hospitality Industry Marketing	3	2280:101
2280:280	Special Events Management	3	2280:101. 2280:232
Total Credits for Certificates		*19	

Students must achieve a “C” or better in each course in their major area (2280)

***Seven (7) credits of prerequisites, a General Education Math course and 2420:211 Basic Accounting I are required for 2280 Front Office Operations, and if you have not already met that requirement, the total credits for the certificate becomes 26 credits.**

PROGRAM CONTACT

Jamal Feerasta, Polsky Building M181, 330-972-6601, jamal@uakron.edu

Effective: Spring 2016
Last Updated: 1/4/16



College of Applied Science and Technology HOSPITALITY MANAGEMENT CULINARY ARTS Certificate – 228004C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Hospitality Management certificate in Culinary Arts, Hotel/Lodging Management, and Restaurant Management are intended to meet the needs of persons who are active or wish to become active in the hospitality industry and are seeking to acquire specific knowledge which will be of immediate use in their careers. The certificates are also of use to non-hospitality majors who wish to broaden their skills and employability.

The award of these certificates is not contingent upon completion of a degree program. All courses taken may be applied toward an associate degree in hospitality management.

The following courses constitute a “Certificate in Hospitality Management – Culinary Arts” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2280:101	Introduction to Hospitality	3	
2280:120	Safety and Sanitation	1	
2280:121	Fundamentals of Food Preparation I	4	2280:120 (co-requisite or prerequisite)
2280:122	A La Carte Cooking	4	2280:101, 120, 121
2280:230	Advanced Food Preparation	4	2280:101, 122
2280:245	Menu, Purchasing, & Cost Control	4	2280:101, 2030:161
2280:261	Baking and Classical Desserts	4	2280:121
Total Credits for Certificate		*24	

STUDENTS MUST ACHIEVE A “C” OR BETTER IN EACH COURSE IN THEIR MAJOR AREA (2280).

*** Four (4) credits of a General Education math course is required for 2280:245, Menu, Purchasing and Cost Control. If you have not already met that requirement, the total credits for certificate becomes 28 credits.**

PROGRAM CONTACT

Jamal Feerasta, Polsky Building M181, 330-972-6601, jamal@uakron.edu

Effective: Spring 2016
Last Updated: 1/8/16



College of Applied Science and Technology HOSPITALITY MANAGEMENT RESTAURANT MANAGEMENT Certificate – 228006C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Hospitality Management certificate in Culinary Arts, Hotel/Lodging Management, and Restaurant Management are intended to meet the needs of persons who are active or wish to become active in the hospitality industry and are seeking to acquire specific knowledge which will be of immediate use in their careers. The certificates are also of use to non-hospitality majors who wish to broaden their skills and employability.

The award of these certificates is not contingent upon completion of a degree program. All courses taken may be applied toward an associate degree in hospitality management.

The following courses constitute a “Certificate in Hospitality Management – Restaurant Management” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2280:101	Introduction to Hospitality	3	
2280:120	Safety and Sanitation	1	
2280:121	Fundamentals of Food Preparation I	4	2280:120 (co-requisite or prerequisite)
2280:122	A La Carte Cooking	4	2280:101, 120, 121
2280:160	Wine and Beverage Service	3	
2280:232	Dining Room Service and Training	3	
2280:233	Restaurant Operation & Management	4	2280:122, 232, 245
2280:245	Menu, Purchasing, & Cost Control	4	2280:101, 2030:161
2280:256	Hospitality Law	3	2280:101
2280:280	Special Events Management	3	2280:101, 232

	Total Credits for Certificate	*32	
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STUDENTS MUST ACHIEVE A “C” OR BETTER IN EACH COURSE IN THEIR MAJOR AREA (2280).

***Seven (7) credits of prerequisite courses are not in the course requirements and, if you have not already taken them, the total credits for the certificate becomes 39.**

PROGRAM CONTACT

Jamal Feerasta, Polsky Building M181, 330-972-6601, jamal@uakron.edu



College of Applied Science and Technology

Hospitality Management (2280)



Certificate: Hotel Marketing and Sales (228008C)

The Hospitality Management certificates in Culinary Arts, Hotel/Motel Management, and Restaurant Management are intended to meet the needs of persons who are active or wish to become active in the hospitality industry and are seeking to acquire specific knowledge which will be of immediate use in their careers. The certificates are also of use to non-hospitality majors who wish to broaden their skills and employability.

The award of these certificates are not contingent upon completion of a degree program. All courses taken may be applied toward an associate degree in hospitality management.

		Credits
2280:101	Introduction to Hospitality	3
2280:250	Front Office Operations	3
2280:268	Revenue Centers	3
2280:278	Hospitality Industry Marketing	3
2280:280	Special Events Management	3
2520:212	Principles of Sales	3
2420:270	Business Software Applications	4

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

All prerequisites must be honored. [Click here](#) to find course information (including prerequisites and corequisites). Contact [Summit College Academic Advising](#) for questions or more information.

The following credit hour requirement applies to this certificate: 22 credits.

Guide Updated: 08-28-2013



College of Applied Science and Technology

Paralegal Studies (2290)



Certificate: Paralegal Studies (229000C)

Students interested in the certificate program must have an associate degree or beyond in order to be admitted.

		Credits
Required courses:		
2290:101	Introd to Paralegal Studies	3
2290:104	Basic Legal Research & Writing	3
2290:106	Business Associations	3
2290:108	Real Estate Transactions	3
2290:118	Probate Administration	4
2290:105	Law Office Technology	3
2290:220	Paralegal Internship	4
Students are required to take 9 hours from the following courses:		
2290:110	Tort Law	3
2290:112	Family Law	3
2290:204	Advanced Legal Research	3
2290:214	Civil Procedure	3
2290:216	Debtor-Creditor Relations	3
2290:218	Advanced Probate Administratn	3
2290:290	ST: Legal Assisting Technology	1

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
All prerequisites must be honored. Click here to find course information (including prerequisites and corequisites). Contact Summit College Academic Advising for questions or more information.
Students interested in a Probate emphasis should take 2290:204, 2290:218, 2290:220, and two other courses Spring Semester.
Students interested in a Civil Litigation emphasis should take 2290:204, 2290:214 and 2290:220 and two other courses of their choice during the Spring Semester.
The following credit hour requirement applies to this certificate: 32 credits.

Guide Updated: 09-11-2013

Effective: Fall 2017

Last Updated: 2/21/17

College of Applied Science and Technology
Business Management Technology
Small Business Management Certificate
(242007C)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Completion of this certificate within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

This program is designed to address the needs of potential small business owners who are interested in acquiring specific knowledge that will help them in their business.

This certificate may be earned independent of earning a degree.

The following courses constitute a "Certificate in Business Management Technology – Small Business Management" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record

√	Courses		Credits	Prerequisites
	2420:104	Intro to Business in a Global Environment	3	
	2420:117	Small Business Development	3	2420:211
	2420:211	Basic Accounting I	3	
	2420:227	Entrepreneurship Projects	3	2420:103, 104, 117, 212, 243, 270
	2420:243	Survey in Finance	3	2420:170, 211
	2420:280	Essentials of Business Law	3	

		Total Credits for Certificates	18	
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- Students must pass a placement test before taking any required Business Management Technology courses or take 2440:105, Introduction to Computers & Application, which does not count toward degree requirements.
- Students must achieve a "C" or better in each course in their Business Management Technology (2420) area.

PROGRAM CONTACT:

Susan Pope, Polsky Building Room M185K, 330-972-6597, spope@uakron.edu

College of Applied Science and Technology
Business Management Technology
 Certificate (242107C)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

This certificate program is intended to promote understanding of the basic aspects of business formation and operation. This certificate may be earned independent of earning a degree.

The following courses constitute a "Certificate in Business Management Technology" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

√	Courses		Credits	Prerequisites
	2420:103	Essentials of Management Technology	3	
	2420:104	Introduction to Business in the Global Environment	3	
	2420:211	Basic Accounting I	3	
	2420:270	Business Software Applications	3	2440:105
	2420:202	Elements of Human Resource Management -OR-	3	2420:103 or permission
	2420:280	Essentials of Business Law -OR-	3	
	2520:101	Essentials of Marketing Technology	3	
	Total Credits for Certificate		15	

Students entering the Business Management Technology program must pass department placement exams or complete the following bridge courses prior to enrolling in the program.

Bridge Course: 2440:105 Introduction to Computers & Application Software

Must have a minimum cumulative GPA of a 2.0 to graduate with this minor

Students must achieve a "C" or better in each course in their major area (2420).

Program Contact

- Susan Pope, Polsky Building Room M185K, 330-972-6597, spope@uakron.edu
- CAST Advising, Polsky Building Room 203, 330-972-7220

College of Applied Science and Technology SUPERVISION & MANAGEMENT Certificate – 242303C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Supervision and Management certificate is aimed at providing knowledge and skills to the new and existing supervisor as well as to the individual who aspires to a supervisory position. A minimum of 14 credit hours is required. This certificate may be earned independent of earning a degree.

The following courses constitute a “Certificate in Supervision and Management” and must be completed with a minimum grade point average of 2.5 over-all for the certificate to be noted on the student’s record.

Business Management Skills (9 credits minimum)		Credit Hours	Prerequisites
2420:103	Essentials of Management Technology	3	
2420:104	Intro. to Business in the Global Environment	3	
2420:202	Elements of Human Resource Management	3	2420:103 or permission
2280:233	Restaurant Operations & Management	3	2280:122, 232, 245
2280:240	Supervision in the Hospitality Industry	3	2280:101
2420:300	Supervision in a Technical Environment	3	
2870:332	Management of Tech. Based Operations	3	
2880:100	Basic Principles of Manufacturing Mgmt.	4	
2880:232	Labor Management Relations	3	2880:100
	Required Bus. Mgmt. Skills	9	
	Electives	5	
	Total Credits for Certificate	14	

Electives (5 credits)		Credit Hours	Prerequisites
2020:224	Writing for Advertising	3	2020:121, 3300:111 or equivalent
2020:325	Signs of Professional Writing	1	
2030:345	Technical Data Analysis	2	2030:154
2040:241	Technology & Human Values	2	
2040:240	Human Relations	3	
2040:243	Contemporary Global Issues	3	
2040:247	Survey of Basic Economics	3	
2420:270	Business Software Application	4	2440:105
2420:211	Basic Accounting I	3	
2920:310	Economics of Technology	3	60 credits or permission
2880:241	Introduction to Quality Assurance	3	2880:100; 2030:152
xxxx:xxx	Other Supervision/Management related courses approved by faculty of Department of Applied Science & Technical Studies	1-4	

To apply, go to: The College of Applied Science & Technology Advising Services, Polsky 301.
 Certificate Contact: Kelly Webb Bronstrup, Polsky 131, 330-972-7140 or kwebb@uakron.edu
 Department Chair: Dr. Irina Chernikova, Polsky 131, 330-972-6529 or irina@uakron.edu

College of Applied Science and Technology
Business Management Technology
 Accounting Certificate (242306C)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

This certificate program is designed to address the needs of students who desire the key basic accounting skills.

This certificate may be earned independent of earning a degree.

The following courses constitute a "Certificate in Business Management Technology – Accounting and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

√	Courses		Credits	Prerequisites
	2420:211	Basic Accounting I	3	
	2420:212	Basic Accounting II	3	2420:211
	2420:213	Essentials of Management Accounting	3	2420:211
	2420:217	Survey of Taxation	3	
	2420:215	Computer Applications for Accounting Cycles	3	2420:212, 2420:213
	2420:243	Survey of Finance		2420:211
	Total Credits for Certificate		15	

- Students must pass placement test before taking any required Business Management Technology courses or take 2440:105, Introduction to Computers and Application, which does not count toward degree requirements.
- Students must achieve a "C" or better in each course in their Business Management Technology (2420) area.
- Students must have a minimum cumulative GPA of 2.0 to graduate with this certificate.

PROGRAM CONTACT

Susan Pope, Polsky Building Room M185K, 330-972-6597, spope@uakron.edu

Effective: Spring 2016
Last Updated: 1/14/16



College of Applied Science and Technology

COMPUTER INFORMATION SYSTEMS

PROGRAMMING

Certificate – 244203C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

This certificate may be earned independent of earning a degree.

The following courses constitute a “Certificate in Computer Information Systems - Programming” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2440:121	Introduction to Logic/Programming	3	*
2440:160	Java Programming	3	2440:121
2440:170	Visual Basic	3	2440:121
2440:256	C++ Programming	3	2440:121
2440:180	Intro to Database Mgmt	3	2440:121
Total Credits for Certificate		15	

Students must achieve a “C” or better in their technical courses (2440/2600)

Students entering the Computer Information Systems certificate programs (Programming, Cisco Networking Technology, Database Development, and Webmaster) must pass department placement exams or complete the following bridge course prior to enrolling in the program.

Bridge Course:

2440:105 Introduction to Computers & Application Software

PROGRAM CONTACT

- Dr. Zarreen Farooqi (zarreen@uakron.edu), 330-972-8858
- Enoch Damson (damson@uakron.edu), 330-972-7162



College of Applied Science and Technology

Computer Information Systems (2440)

Certificate: Computer Information Systems - Database Development (244204C)

Students entering the Computer Information Systems certificate programs (Programming, Cisco Networking Technology, Database Development and Webmaster) must pass department placement exams or complete the following Bridge Courses prior to enrolling in the program.

The Database Development Certificate provides students from other disciplines an opportunity to gain database skills demanded by business and industry. This certificate may be obtained independent of a degree.

		Credits
2440:121	Introd of Logic/Programming	3
2440:180	Database Concepts	3
2440:210	Client/Server Programming	3
2440:234	Business Programming	3

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

Students must achieve a C or better in their technical courses (2440).

All prerequisites must be honored. [Click here](#) to find course information (including prerequisites and corequisites). Contact [Summit College Academic Advising](#) for questions or more information.

The following credit hour requirement applies to this certificate: 12 credits.

Guide Updated: 08-28-2013

Effective: Fall 2009
Last Updated: 9/16/14



College of Applied Science and Technology COMPUTER INFORMATION SYSTEMS CISCO NETWORKING TECHNOLOGY Certificate – 244205C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Cisco Networking Certificate provides the network administration and technical support skills needed to provide Cisco support to business and industry.

This certificate may be earned independent of earning a degree.

The following courses constitute a “Certificate in Computer Information Systems – Cisco Networking Technology” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2440:201	Networking Basics	3	*
2440:202	Router and Routing Basics	3	2440:201
2440:203	Switching Basics and Wireless	3	2440:202
2440:204	WAN Technologies	3	2440:202 & 203
Total Credits for Certificate		12	

Students entering the Computer Information Systems certificate programs (Programming, Cisco Networking Technology, Database Development, and Webmaster) must pass department placement exams or complete the following bridge course prior to enrolling in the program.

Bridge Course:

2440:105 Introduction to Computers & Application Software

Students must achieve a “C” or better in their technical courses (2440/2600)

PROGRAM CONTACT

J. Kropff (jsk3@uakron.edu) or J. Nicholas (jn@uakron.edu)

College of Applied Science and Technology
Computer Information Systems
Web Development Certificate
(244206C)

The following information has official approval of **The University of Akron's College of Applied Science and Technology** but is intended only as a guide. Completion of this certificate within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

The Web Development Certificate provides students from other disciplines an opportunity to gain web development skills demanded by business and industry.

This certificate may be earned independent of earning a degree.

The following courses constitute a "Certificate in Computer Information Systems – Web Development" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

√	Courses		Credits	Prerequisites
	2440:121	Introduction to Logic/Programming	3	
	2440:140	Internet Tools	3	
	2440:141	Web Site Administration	3	
	2440:211	Interactive Web Programming	3	2440:121, 2440:140
	2440:212	Multimedia & Interactive Web Elements	3	2440:140
	7100:289	-OR- Production I		7100:132
		Total Credits for Certificate	15	

- Students must pass a placement test or take 2440:105 Introduction to Computers & Application Software before taking the core courses.
- Students must achieve a "C" or better in their technical courses (2440).

PROGRAM CONTACT:

Zarreen Farooqi, Polsky Building Room M186H, 330-972-8858, zarreen@uakron.edu

Enoch Damson, Polsky Building, Room 188J, 330-972-7162, damson@uakron.edu

College of Applied Science and Technology
Marketing and Sales Technology Certificate
(252005C)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Completion of this certificate within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

This program is designed for students who desire a formal structured program in the field of marketing and sales, but do not wish to pursue an associate or baccalaureate degree. In addition, students may have already received an associate or baccalaureate degree in a different area and be interested in receiving formalized training in the marketing segment of their career field. If, at a later date, the student would like to continue to take courses leading to an associate degree in Marketing and Sales Technology, then all courses required in the certificate program would apply toward the completion of the associate degree

The following courses constitute a "Certificate in Marketing and Sales Technology" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

√	Courses		Credits	Prerequisites
	2520:101	Essentials of Marketing Technology	3	
	2520:203	Principles of Advertising	3	2520:101 or 6600:205
	2520:204	Services Marketing	3	2520:203, 212
	2520:206	Retail Promotion & Advertising	3	2520:202 or permission
	2520:212	Principles of Sales	3	2520:101 or permission
	2520:254	Sales Management Technology	3	2520:212
		Total Credits for Certificate	18	

- Students must pass a placement test before taking any required Marketing & Sales Technology core courses or take 2440:105, Introduction to Computers & Application Software, which does not count towards degree requirements.
- Students must achieve a "C" or better in each course in their major area (2520).

PROGRAM CONTACT

Kevin Feldt, Polsky Building Room M183, 330-972-8249, kfeldt@uakron.edu

College of Applied Science and Technology
Marketing and Sales Technology – Advertising (252007C)
Certificate

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Completion of this certificate within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

This program is designed for students who desire a formal structured program in the field of advertising, but do not wish to pursue an associate or baccalaureate degree. In addition, students may have already received an associate or baccalaureate degree in a different area and be interested in receiving formalized training in advertising due to the pervasiveness of the field in virtually all areas of commerce. If, at a later date, the student would like to continue to take courses leading to an associate degree in Marketing and Sales Technology, then all courses required in the certificate program would apply toward the completion of the associate degree.

The following courses constitute a "Certificate in Marketing and Sales Technology - Advertising" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

√	Courses		Credits	Prerequisites
	2020:224	Writing for Advertising	3	2020:121 or 3300:111 or equivalent
	2520:101	Essentials of Marketing	3	
	2520:203	Principles of Advertising	3	2520:101 or 6600:205
	2520:204	Services Marketing	3	2520:103, 203
	2520:221 2520:240	Marketing Projects –OR- Marketing Internship	3	2520:203 2520:212
	Total Credits for Certificate		15	

- Students must pass a placement test before taking any required Marketing & Sales Technology core courses or take 2440:105, Introduction to Computers & Application Software, which does not count towards degree requirements.
- Students must achieve a "C" or better in each course in their major area (2520).

PROGRAM CONTACT

Kevin Feldt, Polsky Building Room M183, 330-972-8249, kfeldt@uakron.edu



Wayne College

Health Care Office Management (2530)

Certificate: Medical Billing (254109CW)

The medical billing specialist is an integral part of the health care team. Medical billing personnel are responsible for patient billing and basic accounting systems used in the health care facility. The individual responsible for the medical billing needs to know medical terminology, principles of anatomy and physiology, disease processes, medical procedures, medical records, patient billing, accounting and computer skills. Medical references will be used extensively to code patient diagnoses and medical procedures performed. Competence in completion of the standard health insurance claim, knowledge of third-party reimbursement and an understanding of collection policies and procedures are also important to this position.

Wayne College's Medical Billing Certificate prepares you to work in hospitals, nursing homes, outpatient clinics, medical group practices, health maintenance organizations, medical billing services and insurance companies.

Students entering the program must demonstrate a fundamental knowledge of computer software and keyboarding by examination (CISBR) or take the following bridge courses prior to enrolling in the program: 2440:105 Introduction to Computers and Application Software and 2540:290 ST: Keyboarding for Skill Development.

		Credits
2420:211	Basic Accounting I	3
2440:125	Spreadsheet Software	2
2530:240	Medical Coding I - Diagnostic	3
2530:241	Health Information Management	3
2530:242	Medical Office Administration	3
2530:243	Medical Coding II - Procedural	3
2530:244	Medical Insurance Billing	3
2540:119	Business English	3
2540:143	Microsoft Word-Beginning	2
2740:120	Medical Terminology	3
2740:121	Study of Disease Processes	3
Select one:		
2420:263	Prof Communctn & Presentations	3
7600:106	Effective Oral Communication	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
2540:243 Internship is highly recommended to enhance the student's

employment opportunities.

It is strongly recommended that students take 2740:120 Medical Terminology prior to taking any of the remaining medical-related courses.

A grade of C or higher is required in all 2530 department courses.

The following credit hour requirements apply to this certificate: 34 credits.

Guide Updated: 08-23-2013



College of Applied Science and Technology

Medical Assisting (2740)



Certificate: Medical Billing (274001C)

The Medical Billing certificate is designed to prepare entry-level personnel for the medical billing office, physician's offices, peer review organizations, clinics, consulting firms, and/or insurance companies.

This certificate covers topics such as ICD-9-CM coding, CPT coding, and other information related to medical insurance claims.

		Credits
2740:120	Medical Terminology	3
2740:127	Admin Medical Assisting II	4
2780:106	Anat & Phys for Allied Hlth I	3
2740:128	Basic Procedural Coding	3
2740:129	Basic Diagnostic Coding	3
2740:121	Study of Disease Processes	3
2740:230	Basic Pharmacology	3
2780:107	Anat & Phy for Allied Hlth II	3
2740:228	Medical Insurance	3
2740:245	Medical Externship	4

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

All prerequisites must be honored. [Click here](#) to find course information (including prerequisites and corequisites). Contact [Summit College Academic Advising](#) for questions or more information.

The following credit hour requirement applies to this certificate: 32 credits.

Guide Updated: 08-28-2013



College of Applied Science and Technology

Medical Assisting (2740)

Certificate: Medical Coding (274002C)

The Medical Coding certificate is designed to give students taking classes in health professions an additional background in medical coding which is required in most health professions. This will also allow student to work inter-professionally with others when on the job site.

This certificate covers topics such as ICD-DM coding, CPT coding, and other informational related to medical insurance claims.

The awarding of this certificate is not contingent upon completion of a degree program.

Requirements:		Credits
2740:120	Medical Terminology	3
2740:127	Administrative Medical Assisting II	3
2740:128	Basic Procedural Coding	3
2740:129	Basic Diagnostic Coding	3
2740:230	Basic Pharmacology	3

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

All prerequisites must be honored. To find course information (including prerequisites and co-requisites) contact [Summit College Academic Advising](#) for questions or more information.

The following credit hour requirement applies to this certificate: 15 credits.

Effective: Summer 2017
Updated: 3/29/17



College of Health Professions Allied Health Department Healthcare Simulation Technology: Medical Certificate – 278001C

The following information has official approval of the **College of Health Professions**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a "Certificate in Healthcare Simulation Technology: Medical Track" and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student's record.

Course		Credit Hours	Prerequisites
2440:105	Intro to Computers and Application Software	3	
2440:247	Hardware Support	3	
2780:102	Overview of Simulation Healthcare	4	
2780:201	Simulation Technology Basic Repair	4	2440:247, 2740:121, and 2780:102
Total Credits for Certificate		14	

NOTE: Students eligible for this certificate will be interviewed by a representative in the School of Allied Health. This certificate is intended for individuals licensed/credentialed in healthcare professions with healthcare experience.

PROGRAM CONTACT

Dr. Kristine N. Kraft
330-972-6516
knk@uakron.edu
Polsky 262H

Effective: Summer 2017
Updated: 3/29/17



College of Health Professions Allied Health Department Healthcare Simulation Technology: Computer Certificate – 278002C

The following information has official approval of the **College of Health Professions**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a "Certificate in Healthcare Simulation Technology: Computer Track" and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student's record.

Course		Credit Hours	Prerequisites
2740:120	Medical Terminology	3	
2740:121	Study of Disease Processes	3	2740:120
2780:102	Overview of Simulation Healthcare	4	
2780:201	Simulation Technology Basic Repair	4	2440:247, 2740:121, and 2780:102
Total Credits for Certificate		14	

NOTE: Students eligible for this certificate will be interviewed by a representative in the School of Allied Health. This certificate is intended for individuals licensed/credentialed in healthcare professions with healthcare experience.

PROGRAM CONTACT

Dr. Kristine N. Kraft
330-972-6516
knk@uakron.edu
Polsky 262H

Effective: Spring 2015
 Last Updated: 9/26/16



College of Applied Science and Technology

CORROSION TECHNOLOGY CERTIFICATE

285000C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

This certificate program is available to any student who completes a minimum of 17 credits indicated below. The objective of this certificate is to enhance student knowledge of the fundamentals of corrosion technology, including forms of corrosion, types of corrosive environments, material selection, corrosion control, testing, monitoring and treatment.

The following courses constitute a "Corrosion Technology Certificate" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

BOTH COURSES MUST BE TAKEN IN THE FOLLOWING CATEGORY

Corrosion Courses	Course Title	Credit Hours	Prerequisites
2850:100	Introduction to Corrosion Technology	2	2030:151 or 3450:100 or higher
2850:200	Advanced Corrosion Technology	3	2850:100

ONE COURSE MUST BE TAKEN FROM EACH OF THE FOLLOWING FOUR CATEGORIES

Chemistry I	Course Title	Credit Hours	Prerequisites	Co-reqs
2820:111	Introductory Chemistry	3	2030:152	
3150:151	Principles of Chemistry I	3	3450:149 or higher	

Chemistry II	Course Title	Credit Hours	Prerequisites
2820:112	Introductory and Analytical Chemistry	3	2820:111
3150:153	Principles of Chemistry II	3	3150:151

Circuits	Course Title	Credit Hours	Prerequisites	Co-reqs
2860:122	AC Circuits	3	2860:120 2030:154	
2860:370	Survey of Electronics I	3	2820:163	
4400:307	Basic Electrical Engineering	4	3650:292 3450:335	

Materials/ Devices	Course Title	Credit Hours	Prerequisites	Co-reqs
2920:142	Introduction to Material Technology	3		
2860:225	Application of Electronic Devices	4	2860:123 and 2030:154	
4200:305	Materials Science	2	3150:153	3650:292
4300:202	Intro: Mechanics of Solids	3	4300:201	

For further information, contact:

Lori Kraft, Associate Professor of General Technology / Shari Thorman, Academic Advisor
College of Applied Sciences and Technology
Schrank Hall South 123
Akron, OH 44325-6104

Effective: Fall 2005
Last Updated: 7/8/14



College of Applied Science and Technology

ELECTRONIC ENGINEERING TECHNOLOGY

DIGITAL ELECTRONICS AND MICROPROCESSORS

Certificate – 286003C

<https://www.uakron.edu/dotAsset/1817533.pdf>

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The certificate program in Digital Electronics and Microprocessors is designed for students who desire a formal, structured program in a specific area in the field of electronics, but because of time or work constraints, are unable to pursue a complete associate or baccalaureate degree program.

This certificate may be earned independent of earning a degree; however, all courses taken may be applied toward the Associate Degree in Electronic Engineering Technology.

The following courses constitute a “Certificate in Digital Electronics and Microprocessors” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2030:152	Technical Mathematics II	2	
2030:153	Technical Mathematics III	2	2030:152
2030:154	Technical Mathematics IV	3	2030:153
2860:120	Circuit Fundamentals	4	
2860:121	Introduction to Electronics and Computers	2	
2860:123	Electronic Devices	4	
2860:136	Digital Fundamentals	2	
2860:237	Digital Circuits	4	
2860:238	Microprocessor Applications	4	
Total Credits for Degree		27	

For further information, contact:

Electronic Engineering Technology Program Director
College of Applied Science and Technology
The University of Akron
Akron, Ohio 44325-6104
330-972-7051

Effective: Fall 2005
Last Updated: 7/8/14



College of Applied Science and Technology

MANUFACTURING ENGINEERING TECHNOLOGY

QUALITY CONTROL

Certificate – 288007C

<https://www.uakron.edu/dotAsset/1817509.pdf>

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The need for trained quality technicians continues to grow as manufacturing increases its focus on quality as an absolute requirement in the very competitive world-wide environment. The certificate program will provide entry-level qualifications for non-degreed individuals while also offering the opportunity for career manufacturing personnel to obtain formal quality training. All courses taken may be applied toward the AAS or BS degree in Manufacturing Engineering Technology.

This certificate may be earned independent of earning a degree.

The following courses constitute a "Certificate in Manufacturing Engineering Technology – Quality Control" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

Course		Credit Hours	Prerequisites
2820:131	Software Applications for Technology	1	
2870:441	Advanced Quality Practices	3	
2880:100	Basic Principles of Manufacturing Management	4	
2880:241	Introduction to Quality Assurance	3	
3470:261	Introductory Statistics I	2	
3470:262	Introductory Statistics II	2	
	Total Credits for Certificate	15	

Engineering & Science Technology Department
College of Applied Science and Technology
The University of Akron
Akron, Ohio 44325-6104
330-972-7052

Effective: Fall 2014
Last Updated: 7/8/14



College of Applied Science and Technology DRAFTING & COMPUTER DRAFTING Certificate – 294001C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Certificate in Drafting & Computer Drafting” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2940:121	Technical Drawing I * (note a)	3	
2940:210	Computer Aided Drawing I *	3	
2940:211	Computer Aided Drawing II *	2	2940:210
2940:170	Surveying Drafting * (note a)	2	2030:152 co-requisite or permission
2990:150	Plan Reading (note b)	2	
2985:101	Introduction to Geographic and Land Information Systems *	3	
Total Credits for Certificate		17	

Students must achieve a “C” or better in their technical courses.

NOTES:

- * Lab needs scheduled
- a. Traditionally fall only
- b. Traditionally spring only (See program contact)

PROGRAM CONTACT:

Drafting and Computer Drafting Technology
The College of Applied Science & Technology
The University of Akron
Akron, OH 44325-6104
330-972-7051

Effective: Fall 2012
 Last Updated: 7/8/14



College of Applied Science and Technology

SURVEYING TECHNOLOGY

Certificate – 298104C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The certificate program in Surveying Technology may be earned independently of any degree program. This program has been designed so that students or graduates can meet the minimum education requirements in surveying course work for registration as a Professional Surveyor. It is also designed to meet the education requirements for Technical Certification through the American Congress on Surveying and Mapping, National Society of Professional Surveyors. A minimum of 18 credits are required. All courses taken may be applied to an A.A.S. degree in Land Surveying and/or the B.S. degree in Surveying and Mapping.

The following courses constitute a “Certificate in Surveying Technology” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2980:101	Basic Surveying	3	
2980:102	Topographic Surveying	2	
2980:228	Boundary Surveying	3	
2980:310	Survey Computations & Adjustments	2	
xxxx:xxx	Electives	8	
Total Credits for Certificate		18	

A minimum of 8 hours selected from the following: (BSCE majors should consult with the Surveying Program Director to ensure that all State Board of Registration requirements are met).

Electives		Credit Hours	Prerequisites
2980:123	Surveying Field Practice	2	
2980:222	Construction Surveying	3	
2980:225	Advanced Surveying	3	
2980:315	Boundary Control & Legal Principals	3	
2980:415	Legal Aspects of Surveying	3	
2980:421	Subdivision Design	3	
2980:422	GPS Surveying	3	
2980:426	History of Surveying	2	
2980:xxx	Surveying Electives	3	

Other Conditions: substitutions for electives must be approved by the Surveying and Mapping Program Director.

For further information, contact:

Surveying & Mapping Program Director
 College of Applied Science and Technology
 The University of Akron
 Akron, Ohio 44325-6104
 330-972-7059

College of Applied Science and Technology
Geographic and Land Information Systems
Certificate (298105C)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

This certificate program in Geographic and Land Information Systems may be earned independently of any degree program. This certificate program has been designed to provide individuals with the basic entry-level skills necessary for those seeking positions as GIS Technicians. Basic emphasis is on understanding and applying geospatial data in digital mapping applications. GIS software will be utilized. All courses taken may be applied to an A.A.S. in GIS/LIS, Land Surveying, and /or the B.S. degree in Surveying and Mapping.

The following courses constitute a "Certificate in Geographic and Land Information Systems" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

√	Courses		Credits	Prerequisites
	2985:101	Introduction to Geographic & Land Information Systems	3	
	2985:201	Intermediate Geographic & Land Information Systems	3	
	2985:205	Building Geodatabases	3	
	2980:445	Applications in GIS using GPS	3	
	xxxx:xxx	Electives	3	

		Total Credits for Certificate	15	
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√	Electives		Credits	Prerequisites
	2980:xxx	Any Surveying Class	3	
	2985:xxx	Any GIS/LIS Class	3	
	2235:350	Disaster Preparedness and Response	3	2235:305

Other Conditions: Substitutions for electives must be approved by the GIS Program Director.

For further information, contact:

GIS/LIS Program Director
 College of Applied Science and Technology
 The University of Akron
 Akron, Ohio 44325-6104
 330-972-2451

College of Applied Science and Technology
Surveying for Civil Engineers
 Certificate (298111C)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

The Surveying for Civil Engineers certificate program is designed for BSCE graduates to be able to meet the academic requirements of Ohio Revised Code 4733.11 - Professional Surveyor License Qualifications. All courses taken may be applied to an A.A.S. degree in Land Surveying and/or the B.S. degree in Surveying and Mapping.

The following courses constitute a "Surveying for Civil Engineers" Certificate and must be completed with a minimum grade point average of 2.0 overall for the certificate to be noted on the student's record.

√	Courses		Credits	Prerequisites
	2980:222	Construction Surveying (Note a)	3	2980:101
	2980:228	Boundary Surveying (Note a)	3	2980:101
	2980:225	Advanced Surveying (Note a)	3	2980:228
	2980:315	Boundary Control and Legal Principles (Note b)	3	2980:228
	2980:415	Legal Aspects of Surveying (Note b)	3	2980:315
	2980:427	Ohio Lands (Note b)	2	
		Total Credits for Certificate	17	

Notes

- a) Courses may be offered in a web-based format.
- b) Courses may be offered in an online format.

Program Contact

Gary Schuller
 Director, Surveying & Mapping Program
 College of Applied Science and Technology
 The University of Akron
 Akron, OH 44325-6104
 330-972-7122

Effective: Fall 2010
Last Updated: 7/8/14



College of Applied Science and Technology

CONSTRUCTION ENGINEERING TECHNOLOGY

CONSTRUCTION MANAGEMENT

Certificate – 299104C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

This program is aimed at developing technical knowledge and skills necessary to supervise a construction project. This certificate may be earned independently of earning a degree, but all coursework can be applied to an A.A.S. degree or the B.S. degree in Construction Engineering.

The following courses constitute a “Certificate in Construction Engineering Technology – Construction Management” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2990:352	Field Management and Scheduling	2	
2990:358	Advanced Estimating	3	
2990:359	Construction Cost Control	3	
2990:453	Legal Aspects of Construction	2	
2990:468	Construction Management	3	
2990:479	CPC Seminar	3	
Total Credits for Certificate		16	

Because most of the required courses have prerequisites, student should consult with the program director of the Construction Engineering Technology program for a contract before beginning course work.

For further information, contact:

Construction Engineering Technology Program Director
College of Applied Science and Technology
The University of Akron
Akron, Ohio 44325-6104
330-972-7051

Effective: Fall 2010
Last Updated: 7/8/14



College of Applied Science and Technology

CONSTRUCTION ENGINEERING TECHNOLOGY

RESIDENTIAL BUILDING

Certificate – 299105C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

the certificate program in Residential Building Technology is aimed at providing knowledge and skills to anyone planning to work in the building construction industry. This certificate may be earned independently of earning a degree, but all coursework can be applied to an A.A.S. degree or the B.S. degree in Construction Engineering.

The following courses constitute a “Certificate in Construction Engineering Technology – Residential Building” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2990:150	Plan Reading	2	
2990:131	Building Construction	2	
2990:245	Construction Estimating	3	
2990:310	Residential Building Construction	3	
2990:312	Neighborhood Revitalization Project	3	
2990:356	Safety in Construction	2	
Total Credits for Certificate		15	

For further information, contact:

Construction Engineering Technology Program Director
College of Applied Science and Technology
The University of Akron
Akron, Ohio 44325-6104
330-972-7051

Effective: Fall 2011
Last Updated: 7/8/14



College of Applied Science and Technology

CONSTRUCTION ENGINEERING TECHNOLOGY

MATERIALS TESTING

Certificate – 299106C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The purpose of the certificate program in Materials Testing is to train individuals in the processes and procedures involved in standardized laboratory testing of construction related materials. This certificate may be earned independently of earning a degree, but all coursework can be applied to an A.A.S. degree or the B.S. degree in Construction Engineering.

The following courses constitute a “Certificate in Construction Engineering Technology – Materials Testing” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2990:125	Statics	3	
2990:237	Materials Testing I	2	
2990:238	Materials Testing II	2	2990:237
2990:225	Strength of Materials	3	
2990:246	Site Engineering	3	
2990:354	Foundation Construction Methods	3	
Total Credits for Certificate		16	

For further information, contact:

Construction Engineering Technology Program Director
College of Applied Science and Technology
The University of Akron
Akron, Ohio 44325-6104
330-972-7051

College of Applied Science and Technology
Construction Engineering Technology
Heavy Construction Certificate (299107C)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

This program is aimed at developing technical knowledge and skills necessary to supervise a highway construction project. This certificate may be earned independently of earning a degree, but all coursework can be applied to an A.A.S. degree or the B.S. degree in Construction Engineering.

The following courses constitute a "Certificate in Construction Engineering Technology – Heavy Construction" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

√	Courses	Credits	Prerequisites
	2990:246 Site Engineering	3	
	2990:352 Field Management and Scheduling	2	
	2990:358 Advanced Estimating	3	
	2990:361 Construction formwork	3	
	2990:465 Heavy Construction Estimating	3	
	2990:466 Hydraulics	3	
	Total Credits for Certificate	17	

Because most of the required courses have prerequisites, student should consult with the program director of the Construction Engineering Technology program for a contract before beginning course work.

For further information, contact:

Construction Engineering Technology Program Director
 College of Applied Science and Technology
 The University of Akron
 Akron, Ohio 44325-6104
 330-972-7051

Effective: Fall 2010
Last Updated: 7/8/14



College of Applied Science and Technology

CONSTRUCTION ENGINEERING TECHNOLOGY

RESIDENTIAL INSPECTION

Certificate – 299109C

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

This certificate program is aimed at developing technical knowledge and skills necessary to conduct residential inspection. This certificate may be earned independently of earning a degree, but all coursework can be applied to an A.A.S. degree or the B.S. degree in Construction Engineering.

The following courses constitute a “Certificate in Construction Engineering Technology – Residential Inspection” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2990:150	Plan Reading	2	
2990:131	Building Construction	2	
2990:310	Residential Building Construction	3	
2990:312	Neighborhood Revitalization Project	3	
2990:462	Mechanical Service Systems	3	
2990:463	Electrical Service Systems	3	
Total Credits for Certificate		16	

For further information, contact:

Construction Engineering Technology Program Director
College of Applied Science and Technology
The University of Akron
Akron, Ohio 44325-6104
330-972-7051

College of Applied Science and Technology
Construction Engineering Technology
Construction Estimation Certificate (299110C)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others.

This certificate program is aimed at developing technical knowledge and skills necessary to accurately estimate construction projects. This certificate may be earned independently of earning a degree, but all coursework can be applied to an A.A.S. degree or the B.S. degree in Construction Engineering.

The following courses constitute a "Certificate in Construction Engineering Technology – Construction Estimation" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

√	Courses	Credits	Prerequisites
	2990:131 Building Construction	2	
	2990:150 Plan Reading	2	
	2990:245 Construction Estimating	3	
	2990:358 Advanced Estimation	3	
	2990:465 Heavy Construction Estimating	3	
	2990:469 Contracts and Specifications	2	
	Total Credits for Certificate	15	

For further information, contact:

Construction Engineering Technology Program Director
 College of Applied Science and Technology
 The University of Akron
 Akron, Ohio 44325-6104
 330-972-7051



Buchtel College of Arts and Sciences

Pan African Studies (3002)



Certificate: Pan-African Studies (300002C)

To satisfy the requirements for the certificate, a student must complete at least 15 semester credits and five courses with a minimum 2.3 GPA from the list of elective courses or other courses identified as acceptable by the director. The requirements are as follows:

		Credits
Required:		
3002:201	Intro to Pan-African Studies	3
Required (choose one):		
3400:361	African Amer History,1492-1877	3
3400:362	African Amer History,1877-Pres	3
Elective Courses (9 credits):		
2040:254	The Black Experience 1619-1877	2
2040:257	The Black Experience 1877-1954	2
3002:301	Civil Rights America: 1945-74	3
3002:401	Seminar Afro-American Studies	3
3002:420	ST: Afro-American Studies	1
3002:498	Indp Study: Pan-African	1
3300:350	Black American Literature	3
3300:389	ST: Literature & Language	3
3300:471	U.S. Dialects: Black & White	3
3350:363	Africa South of the Sahara	3
3400:290	World Civilizations: Africa	2
3400:340	Sel T: History	3
3400:363	African American Men's History	3
3400:468	African-Amer Soc & Int History	3
3850:421	Race & Ethnic Relations	3
7750:270	Diversity and Social Work	3
7750:276	Introduction to Social Welfare	3
7750:455	Soc Wrk Prac with Afr Amer Fam	3
3300:null	null	2

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

A student undertaking the Pan-African Studies Certificate Program must have prior consultation with the director of Pan-African Studies.

For information, contact the Pan-African Studies Office, (330) 972-8427.

Special Topics/Selected Studies courses on topics appropriate to Pan-African Studies certificate may be applied with permission of Director. 3400:389 topics include Afro-Amer Novel and Afro-American Drama. 300:689 topic is

Wright/Ellison/Baldwin. 3400:340 topic is African Exp in Latin America.

The following credit hour requirement applies to this certificate: 15 credits.

Guide Updated: 09-09-2013



Buchtel College of Arts and Sciences

A&S: Cooperative Education (3000)

Certificate: Gerontology (300006C)

Harvey L. Sterns, PhD, Director

This certificate program is a special course of study in gerontology that complements undergraduate degree programs in various departments and colleges throughout the University. Individuals who already hold an undergraduate degree may also pursue this certificate. The program represents a concentration involving current knowledge and research in gerontology. It adds another dimension to the knowledge and skills a student is able to offer in the many professions that are becoming specialized in research and service to adults and older adults. This course of study coordinates multi-disciplinary training of personnel in adult development and aging and helps to meet the critical shortage of trained individuals in the field of gerontology.

The undergraduate curriculum committee of the Institute for Life-Span Development and Gerontology will oversee this certificate program and certify through the director of the institute that all requirements for the certificate have been completed.

B.S./M.D. students may complete the Practicum/Internship and electives from courses available from the institute or the Office of Geriatric Medicine and Gerontology, at NEOMED.

		Credits
Core:		
3006:450	Inter Sem Life-Span Dev & Gero	2
3006:495	Pract: Life-Sp Dev & Gerontol	1
3750:475	Psychology of Adulthood & Agng	4
3850:343	Sociology of Aging	3
Electives (must be outside of student's major degree department):		
3006:486	Retirement Specialist	2
3006:490	W: Life-Span Dev & Gerontology	1
3006:490	W: Life-Span Dev & Gerontology	1
3006:485	ST: Life-Span Dev & Gerontol	1
3006:485	ST: Life-Span Dev & Gerontol	1
2040:244	Death & Dying	2
2040:344	Death & Dying	2
3850:365	ST: Sociology	1
5400:400	Adult Learning	3
6500:480	Intro: Health-Care Management	3
7400:441	Fam Relationship Mid & Later Yrs	3
7700:110	Intro to Disorders of Communic	3

7750:450	Social Needs & Services: Aging	3
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Students may also use Independent Study to fulfill elective requirement. In special cases, more than one course in a major department may be used with permission.

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

To participate in the program, a student must:
Obtain admittance to The University of Akron as an undergraduate or post-baccalaureate student.

Submit an application to the program countersigned by the student's major academic adviser.

Participate in an interview, receive written notification of admission, and consult with the Director or a designated faculty member of the Institute for Life-Span Development and Gerontology to formulate a program of study.

3006:485 Special Topics courses are typically offered for 3 credits and include: Case Management/Patient Services, Health and Nutrition, Long Term Care Case Management and Patient Services, Long Term Care Health and Nutrition, Long Term Care Administrator-in-Training Experience.

3006:490 Special Topics workshops are typically offered for 2 credits and include: Women: Middle and La and Aging: Process.

3006:495 Pract: Life-Sp Dev & Gerontol and 3850:365 ST: Sociology are typically offered for 3 credits.

The following credit hour requirement applies to this certificate: 20 credits.

Guide Updated: 09-09-2013



Buchtel College of Arts and Sciences

Political Science (3700)



Certificate: Latin American Studies (300008C)

The Undergraduate Certificate in Latin American Studies is a multidisciplinary program of study designed for students who want to graduate with a bachelor's degree as well as a credential that indicates a concentration or specialization in this area of the world. The certificate program is flexible enough so that students can take courses in a wide range of fields- at least three different disciplines- and so that they can apply certain credits to their General Education requirements. The program requires fulfillment of a number of foreign language credits (Spanish or Portuguese), while it strongly encourages study abroad, offering additional credits for participation in study tours or study abroad programs sponsored by the University.

The Latin American Studies Certificate is designed to provide students with expertise in the Latin American region, with a focus on its dynamic societies, cultures, politics, economies and histories. Students majoring in a variety of disciplines ranging from business, history, economics, education and medical fields and who plan careers that involve work in or related to Latin America or among the Latino population - the fastest growing minority group in the United States- would benefit from the in-depth training and language skills offered by the Certificate. Likewise, this program provides a broad but focused background for those students interested in pursuing advanced studies in academic or applied fields related to Latin America or the Latino experience, and for those contemplating work in governmental or non-governmental sectors.

Interdisciplinary Elective (choose 15 credits, from at least three departments).

		Credits
Economics:		
3250:460	Econ of Developing Countries	3
History:		
3400:291	World Civ: Latin America	2
3400:373	Sel T: Other	3
3400:377	History of Women in Latin Amer	3
3400:378	Span Cnqst & Colniztn of Amer	3
3400:379	Modern Latin America	3
3400:417	Latin America and the US	3
3400:418	History of Brazil Since 1500	3
3400:496	Sp St in History:Other	3
International Business:		
6800:421	Foreign Market Entry	3
Geography:		

3350:353	Latin America	3
Spanish:		
3580:311	Spanish/Spanish-Am Cult Exper	1
3580:350	Literature of Span-Am in Trans	3
3580:408	Survey of Hispanic Lit: Sp-Am	4
3580:425	20th Century Spanish-Am Novel	4
3580:427	Latino Cultures in the USA	4
3580:430	Women in 20th Century Hisp Lit	4
3580:432	Hispanic Culture: Spanish Amer	4
3580:414	Cult Pol in the River Plate	4

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
Students must demonstrate competency in Spanish or Portuguese by completion of a minimum of 3 credits in Spanish or Portuguese at the 4th semester (202) or above at The University of Akron or the equivalent at another accredited institution.
Course substitutions may be made with the approval of the director of the certificate program. Study abroad credits earned through The University of Akron are especially appropriate for such course substitutions.
Special or comparative courses that are not in the Bulletin or are not printed in the list above might be offered that may fulfill some of the electives requirement. Therefore, students must consult the program director to plan a course of study.
3400:496 Special Topics must be Latin America.
The following credit hour requirements apply to this minor: 18 credits, of which a minimum GPA of 3.0 is required.

Guide Updated: 09-20-2013



Buchtel College of Arts and Sciences

Economics (3250)



Certificate: International Development (300106C)

The primary goal of the International Development Certificate (IDC) is to broaden the understanding and strengthen the skills of students who plan careers that involve work in less developed parts of the world. It provides a multidisciplinary background for students who plan more advanced study leading to positions in the government or non-governmental sectors. It also provides a broad but focused background for students planning to participate in the economies of developing countries through international business.

The program is open to students in good academic standing. Full-time, special or non-degree students may participate in the IDC program.

The curriculum has five aspects: foundational knowledge, area focus, skills, language ability and an independent project. There are a total of 24 credits in the Certificate: Six from required courses (3004:201 Introduction to International Development and 3004:401 International Development Project) and 18 from electives. In choosing electives, it is the responsibility of the student to determine whether they have the appropriate prerequisites.

For information, contact Dr. Elizabeth Erickson, Department of Economics at (330) 972-7546.

		Credits
Core (6 credits):		
3004:201	Intro:International Developmnt	3
3004:401	International Devlpmnt Project	3
Electives (6 credits):		
3230:370	Globalization and Culture	3
3230:463	Social Anthropology	3
3250:460	Econ of Developing Countries	3
3250:461	Princ International Economics	3
3350:450	Development Planning	3
3700:311	Developing States in World Pol	3
3700:326	Politics of Developing Nations	3
3700:363	Crime, Pun, Pol: A Comp Persp	3
3700:392	Sel T: Political Science	1
3850:321	Population	3
6800:305	International Business	3
6800:421	Foreign Market Entry	3
6800:496	ST: International Business	1
Global, Region and Area Focus (6 credits):		

3350:353	Latin America	3
3350:360	Asia	3
3350:363	Africa South of the Sahara	3
3400:301	Modern China	3
3400:379	Modern Latin America	3
3400:416	Modern India	3
3400:476	Central America & Caribbean	3
3700:405	Politics in the Middle East	3
Skills (6 credits):		
3230:460	Field Methods in Cultural Anth	4
3250:426	Applied Econometrics	3
3350:405	Geographic Information Systems	3
3700:395	Intern: Government & Politics	2
3700:440	Survey Research Methods	3
6500:305	Business Analytics	3
Skills (can select one of the following to fulfill skills requirement):		
3850:301	Methods of Social Research I	3
3850:302	Methods of Social Research II	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
Students may use 3700:395 Internship in Government & Politics (3 credits) only at the discretion of the Director, based on the nature of the internship.
Students taking 3700:392 Sel T: Political Science must take the topic: Tourism & Development.
Language Ability: It is the expectation that students will have or will obtain knowledge to the intermediate level of a foreign language appropriate to their area of interest. Each student should consult with the director of the program to determine what language skills are needed in his or her specific case.
Project: Students seeking the International Development Certificate will develop their abilities to function in a foreign culture and to carry out a project by spending time abroad. Students are required to arrange an internship or other international experience with an institution, agency or firm through channels outside the certificate program, though the Director will provide advice if needed.
Project cont.: Students must consult with the Director to determine an appropriate period for time abroad and provide a letter of affiliation from the institution, agency or firm to whom they attached. During time abroad, cert. candidates will complete a research project designed in conjunction with the director of the ID Certificate Program. A successful report from this project constitutes the final requirement for the receipt of the ID certificate.
The following credit hour requirements apply to this certificate: 24 credits. All prerequisites must be honored.

Guide Updated: 09-09-2013



Buchtel College of Arts and Sciences

Sociology (3850)



Certificate: Victim Studies (300107C)

		Credits
Required Courses (Take topic Crisis Intervention for 7750:480):		
3850:428	Victim in Society	3
3850:455	Family Violence	3
7750:480	ST: Soc Work & Soc Welfare	1
7750:445	Soc Policy Analy-Social Worker	3
Select one course from the following Treatment and Intervention electives:		
3850:350	Drugs in Society	3
3850:431	Corrections	3
7750:480	ST: Soc Work & Soc Welfare	1
7750:475	Addiction & Social Work Practi	3
Select one course from the following Status Groups courses:		
3850:325	Sociology of Women Global Soc	3
3850:343	Sociology of Aging	3
3850:421	Race & Ethnic Relations	3
3850:447	Sociology of Sex and Gender	3
7750:411	Womens Iss Soc Work Practice	3
7750:450	Social Needs & Services: Aging	3
7750:451	Social Work in Child Welfare	3
7750:480	ST: Soc Work & Soc Welfare	1
Select one course from the following Policy and Law courses:		
3850:341	Political Sociology	3
3850:324	Social Movements	3
3850:433	Sociology of Deviant Behavior	3
3850:441	Sociology of Law	3
7750:425	Social Work Ethics	3
7750:454	Social Work-Juvenile Justice	3
7750:470	Law for Social Workers	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirement applies to this certificate: 21 credits.

Guide Updated: 09-11-2013

Buchtel College of Arts and Sciences WOMEN'S STUDIES Women's Studies Certificate – 300110C

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a "Certificate in Women's Studies" and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student's record.

Course		Credit Hours	Prerequisites
<i>Required courses (9 credits):</i>			
3001:200	Introduction to Women's Studies	3	
3001:480	Feminist Theory	3	3001:200
3001:489	Internship in Women's Studies	3	3001:300
3600:455	Philosophy of Feminism	3	
<i>Electives (12 credits, with 9 credits at 300/400 level and no more than 2 courses from the same department):</i>			
3001:485	ST: Women's Studies (may not be repeated)	1-3	
3001:493	Individual Studies on Women	1-3	3001:300
3200:363	Women in Ancient Greece and Rome	3	
3230:416	Anthropology of Sex and Gender	3	3230:150 or 3850:100
3300:364	Women Writers	3	3300:112
3300:440	Women and Film	3	3300:111 and 3300:112
3300:453	American Women Poets	3	3300:111 and 3300:112
3400:325	Women in Modern Europe	3	
3400:350	U.S. Women's History	3	
3400:400	Gender and Culture in China	3	
3400:469	African-American Women's History	3	
3400:499	Women & Gender in Middle Eastern Societies	3	
3580:430	Women in 20th Century Hispanic Literature	4	3580:407 or 3580:408
3600:455	Philosophy of Feminism	3	
3700:375	Women in Politics	3	
3750:474	Psychology of Women	4	3001:300 or 3750:100
3850:325	Sociology of Women in Global Society	3	3850:100
3850:415	Women in Prison	3	3850:100
3850:416	Women and Crime	3	3850:100
3850:447	Sociology of Sex and Gender	3	3850:100
3850:455	Family Violence	3	3850:100
3760:201	Courtship, Marriage & Family Relations	3	
3760:265	Child Development	3	
3760:442	Human Sexuality	3	3760:201
3760:446	Culture, Ethnicity and Family	3	3760:201 or 3760:265

7350:219	Dress and Culture	3	
7750:265	Women and Addiction	3	
7750:411	Women's Issues in Social Work Practice	3	7750:401
Total Credits for Certificate		21	

NOTE: Declare the certificate in the Academic Advising Office of Buchtel College of Arts and Sciences, room 118

PROGRAM CONTACT

Professor Mary E. Triece, Ph.D.
 Director of Women's Studies, School of Communication
 330-972-6222
 mtriece@uakron.edu



Buchtel College of Arts and Sciences

Archaeology (3240)



Certificate: Field Archaeology (324001C)

The Certificate in Field Archaeology is designed for students interested in field archaeology as a career choice. Cultural resource management (CRM or "contract archaeology") is the fastest-growing area of archaeology in the United States due to federal legislation which requires an archaeological assessment of the impact of federally-funded activities on prehistoric and historic cultural remains. This legislation has greatly increased the demand nationally for trained field archaeologists. The Certificate in Field Archaeology trains students to work in CRM by promoting a solid understanding of the principles and theories of archaeology as well as providing training in basic field methods and cutting-edge technology. The Certificate in Field Archaeology is multidisciplinary and students have the option of taking electives in Geology and Environmental Science, Geography and Survey and Construction Engineering Technology.

The Certificate in Field Archaeology requires students to successfully pass three required courses and three elective courses, each worth 3 credits for a total of 18 credits.

		Credits
3240:400	Archaeological Theory	3
3240:440	Archaeological Lab Methods	3
3240:450	Archaeological Field School	1
Electives:		
2980:122	Elementary Surveying	3
3240:300	Historical Archaeology	3
3240:410	Archaeogeophysical Survey	3
3240:420	Archaeology of Ohio	3
3240:472	ST: Archaeology	1
3240:499	Sr Honors Proj: Archaeology	1
3350:405	Geographic Information Systems	3
3370:405	Archaeological Geology	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
3240:450 Archaeological Field School must be taken for a total of 3 credits, it is offered for 1-6 credits.
3240:472 and 499 are offered for 1-6 credits, each.
The Certificate in Field Archaeology may be earned independently of a degree.
The following credit hour requirements apply to this certificate: 18 credits.



Buchtel College of Arts and Sciences

English (3300)



Certificate: Teaching English As A Second Language (330003C)

This program is intended for those who seek training in the teaching of English as a second language (ESL) at the elementary or high school level or who wish to obtain an initial qualification in teaching ESL in order to teach in settings other than the Ohio public school system. For Ohio certification in teaching ESL, see TESOL Validation requirements at www.uakron.edu/achieve/tesol.dot

The program is designed to introduce the student to central issues in the theory and practice of teaching English to non-native speakers through courses in modern and applied linguistics, in second language pedagogy, and in related disciplines.

Students who do not have English as a native language must demonstrate adequate proficiency in English with a valid TOEFL score of at least 550.

		Credits
This certificate requires the completion of five core courses and one elective course for a minimum of 18 credits.		
Core:		
3300:473	Theore Found and Prin of ESL	3
3300:478	Grammatical Struct of Mod Engl	3
5500:487	Tech Tchg ESL	4
Select one:		
3300:371	Introduction to Linguistics	3
3300:466	Linguistics and Language Arts	3
Select one:		
3300:477	Sociolinguistics	3
3300:486	Learner English	3
Electives:		
3300:470	History of English Language	3
3300:472	Syntax	3
3580:405	Spanish Linguistics: Phonology	4
5500:485	Tching Literacy to Engl Learn	4
7600:325	Intercultural Communication	3
7700:230	Language Science & Acquisition	4
7700:430	Aspects of Normal Language Dev	3
3300:487	Fld Exp: Teac Sec Lang Learner	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions

about requirements should contact an academic advisor.

The awarding of this certificate is not contingent upon completion of a degree program. Undergraduate certificate programs require a 2.00 grade-point average.

The following credit hour requirements apply to this certificate: 18 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

English (3300)



Certificate: Linguistic Studies (330008C)

Completion of six linguistically oriented courses is required as follows: the foundation course, two core courses and at least three elective courses. Three or more of the courses must be at the 300/400 level. (Subject to approval by the program director, other theoretically oriented linguistics courses may substitute for core courses.)

To obtain the certificate, the student must have at least two semesters of a second language. A student entering the program should discuss plans with the director.

		Credits
Foundation:		
3300:371	Introduction to Linguistics	3
Core:		
3300:472	Syntax	3
3600:481	Philosophy of Language	3
Core also includes choice of one of the following:		
7700:230	Language Science & Acquisition	4
7700:430	Aspects of Normal Language Dev	3
Electives:		
3300:400	Anglo Saxon	3
3300:470	History of English Language	3
3300:471	U.S. Dialects: Black & White	3
3300:473	Theore Found and Prin of ESL	3
3300:489	Seminar in English	2
3460:460	Artificial Intel & Heurist Prg	3
3580:405	Spanish Linguistics: Phonology	4
3580:406	Spanish Linguistics: Syntax	4
3600:170	Introduction to Logic	3
3600:418	20th Cent. Analytic Philosophy	3
3600:471	Metaphysics	3
7600:325	Intercultural Communication	3
7700:210	Intro to Clinical Phonetics	4
7700:101	American Sign Language I	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
3300:489 Seminar in English is typically offered for the maximum of 3 credits.
The following credit hour requirement applies to this certificate: 14 credits.



Buchtel College of Arts and Sciences

Geography & Planning (3350)



Certificate: Geographic Information Science and Cartography (335004C)

The geographic information sciences (GISci) integrate concepts, methods, and tools for collecting, analyzing, and visualizing spatial data, including physical, environmental, social, and economic information. An education in this rapidly growing professional and scientific field leads to careers in the public and private sectors as GI scientists, as geographic information systems (GIS) analysts, programmers technicians, or as cartographers or remote sensing analysts.

This baccalaureate certificate can be taken by degree-seeking students in geology, biology, business, engineering, computer science, emergency management, anthropology, political science, public administration, geography, and other related disciplines. It can also be taken as a free standing certificate by non-degree seekers such as professionals who want to enhance their knowledge and skills as well as by anyone who wants to learn about this rapidly advancing scientific and practical field.

		Credits
Geotechniques Requirements:		
3350:405	Geographic Information Systems	3
3350:440	Cartography	3
3350:447	Remote Sensing	3
9 credits of the following Geotechniques Electives:		
3350:407	Advanced Geographic Info Sys	3
3350:441	Global Positioning Sys (GPS)	1
3350:442	Cartographic Theory & Design	3
3350:444	Appl in Cart & Geog Info Sys	3
3350:445	GIS Database Design	3
3350:446	GIS Programmng & Customization	3
3350:449	Advanced Remote Sensing	3
3350:481	Research Meth in Geog & Plan	3
3350:483	Spatial Analysis	3
3350:496	Field Research Methods	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this certificate: 18 credits.

Guide Updated: 09-09-2013



Buchtel College of Arts and Sciences

Geography & Planning (3350)



Certificate: Urban and Regional Planning (335005C)

This baccalaureate certificate is designed to provide students with an understanding of basic concepts, methods, and tools used in urban and regional planning. The certificate can be taken by undergraduates majoring in geography, geology, political science, management, engineering, and related disciplines. It can also be taken as a freestanding certificate by non-degree seekers from:

- 1) Planning agencies, planning commissions, zoning commissions
- 2) Private firms dealing with environmental design, landscape design, architecture, real estate, and construction
- 3) Nongovernmental or advocacy organizations such as those in preservation and environmental planning
- 4) Ordinary citizens who want to learn more about their surroundings and how they are planned

		Credits
Planning Requirements (6 credits):		
3350:433	Practical Approaches to Plann	3
3350:405	Geographic Information Systems	3
Planning Electives (9 credits):		
3350:415	Environmental Planning	3
3350:422	Transportatn Systems Planning	3
3350:432	Land Use Planning Law	3
3350:437	Plan Analysis & Proj Methods	3
3350:438	Land Use Planning Methods	3
3350:439	History of Urban Design & Plan	3
3350:450	Development Planning	3
Geotechniques Electives (3 credits):		
3350:440	Cartography	3
3350:447	Remote Sensing	3
3350:483	Spatial Analysis	3
3350:496	Field Research Methods	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirement applies to this certificate: 18 credits.



Buchtel College of Arts and Sciences

Geography & Planning (3350)



Certificate: Transportation Planning (335007C)

Transportation Planning issues are increasingly important for our region and the nation as a whole. With increases in vehicular traffic and the attendant traffic congestion, the need for proper and effective planning cannot be overemphasized.

A certificate enables students from a variety of fields ranging from geography to engineering and business to acquire key analytical skills that would prepare them for career in transportation planning and management.

The program is open to all students in good standing. Full-time, special or non-degree students may participate in the program.

		Credits
Core Requirements:		
3350:422	Transportatn Systems Planning	3
4300:361	Transportation Engineering	3
4300:463	Transportation Planning	3
Electives (9 credits):		
3350:420	Urban Geography	3
3350:432	Land Use Planning Law	3
3350:433	Practical Approaches to Plann	3
3350:437	Plan Analysis & Proj Methods	3
3350:438	Land Use Planning Methods	3
4300:466	Traffic Engineering	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirement applies to this certificate: 18 credits.

Guide Updated: 08-26-2013



Buchtel College of Arts and Sciences

Geology (3370)

Certificate: Environmental Studies (337004C)

To qualify for the certificate program, students must request admission to the program by completing the certificate application form. If currently enrolled in a degree program, they must be in good academic standing with their major department. A plan of study will be developed in consultation with the director of the certificate program, and must be approved by the director. To satisfy the requirements, a student must complete the core courses and 11 credits from the list of elective courses or other courses identified as acceptable by the director. Elective courses will be selected from outside the student's academic major.

The awarding of this certificate is not contingent on enrollment in, or completion of, a degree program.

		Credits
Core:		
3370:211	Intro to Environmental Science	3
3370:480	Sem: Environmental Studies	2
Electives (minimum of 11 credits)		

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
Contact the Director of the Center for Environmental Studies to develop a program including the core requirements to fulfill remaining electives. Electives must be from a minimum of three departments and be approved by the Director.
The following credit hour requirements apply to this certificate: 16 credits.

Guide Updated: 08-23-2013



Buchtel College of Arts and Sciences

History (3400)



Certificate: History - Asian Studies (340001C)

The program in Asian and Middle Eastern Studies at The University of Akron offers interdisciplinary certificates in Asian Studies (including East, Southeast or South) or Middle Eastern Studies for undergraduates as well as graduate students. The structure of each certificate option provides students the flexibility and opportunity to count certain key courses toward their General Education requirements. Strategic languages of East Asia or the Middle East are required, and a wide range of courses in fields including History, Anthropology, Political Science, Economics, Geography, Sociology and Business are offered.

The University of Akron recognizes the importance of a truly global education. Students who complete certificates will find that their courses of study provide them with in-depth training in a special area that may be particularly useful as they pursue careers in academia, law, public history, education, business and even medicine, where they will practice their profession abroad or use their international experience to expand their understandings of these regions as they work with topics on or populations from Asia and the Middle East. Certificates in Asian and Middle Eastern Studies can complement any major in the university and are also appropriate for non-degree students who might like to return to the university for mid-career training.

A minimum GPA of 2.0 in any of the undergraduate certificate tracks is required. The program strongly encourages study abroad, and will offer additional credits, to be applied toward the certificate, for certain courses that require overseas study in a country of the students focus (Asia, Middle East) or for other individual experiences abroad. Students will also need to take classes in more than two disciplines (i.e., History, Geography, Political Science). Special courses that are not in the permanent bulletin might be offered that may fill a requirement. Students will need to complete the equivalent of a fourth-semester-level language class (a South or East Asian language for the Asian Studies Certificate, or a modern South or East Asian language for a Middle Eastern language for the Middle Eastern Studies Certificate). Students will then complete 15 credits of approved electives for each track. Therefore, students must meet with the director to plan a course of study.

		Credits
Interdisciplinary Electives:		
3400:200	Empires of the Ancient World	3
3350:360	Asia	3
3370:141	Natural Environment of China	1
3370:455	Field Studies in Geology	1
3400:300	Imperial China	3

3400:285	World Civilizations: China	2
3400:286	World Civilizations: Japan	2
3400:287	World Civilizations: SE Asia	2
3400:288	World Civilizations: India	2
3400:301	Modern China	3
3400:303	Modern East Asia	3
3400:382	The Vietnam War	3
3400:401	Japan & Pacific War, 1895-1945	3
3400:400	Gender and Culture in China	3
3400:416	Modern India	3
3400:493	Sp St: North American History	3
3560:210	Japanese Culture through Film	2
7100:401	ST: History of Art	1
7100:401	ST: History of Art	1
7100:401	ST: History of Art	1
7100:401	ST: History of Art	1
Students must choose remaining credits of electives from History, Political Science or Geography. See director for more information. Courses with comparative content are encouraged.		

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
Only one World Civ class will be counted toward the certificate credits unless the course involves travel abroad. World Civ classes do fulfill a Gen Ed requirement.
7100:401 ST: History of Art must be The Art of India, The Art of China, The Art of Korea and Japan and The Art of Buddhist Japan.
3300:389 ST: Literature & Language must be Literature and Language and Ethnic Women in Literature.
The following credit hour requirement applies to this certificate: 15 credits.

Guide Updated: 08-26-2013



Buchtel College of Arts and Sciences

History (3400)



Certificate: History - Middle Eastern Studies (340002C)

The program in Asian and Middle Eastern Studies at The University of Akron offers interdisciplinary certificates in Asian Studies (including East, Southeast or South) or Middle Eastern Studies for undergraduates as well as graduate students. The structure of each certificate option provides students the flexibility and opportunity to count certain key courses toward their General Education requirements. Strategic languages of East Asia or the Middle East are required, and a wide range of courses in fields including History, Anthropology, Political Science, Economics, Geography, Sociology and Business are offered.

The University of Akron recognizes the importance of a truly global education. Students who complete certificates will find that their courses of study provide them with in-depth training in a special area that may be particularly useful as they pursue careers in academia, law, public history, education, business and even medicine, where they will practice their profession abroad or use their international experience to expand their understandings of these regions as they work with topics on or populations from Asia and the Middle East. Certificates in Asian and Middle Eastern Studies can complement any major in the university and are also appropriate for non-degree students who might like to return to the university for mid-career training.

A minimum GPA of 2.0 in any of the undergraduate certificate tracks is required. The program strongly encourages study abroad, and will offer additional credits, to be applied toward the certificate, for certain courses that require overseas study in a country of the students focus (Asia, Middle East) or for other individual experiences abroad. Students will also need to take classes in more than two disciplines (i.e., History, Geography, Political Science). Special courses that are not in the permanent bulletin might be offered that may fill a requirement. Students will need to complete the equivalent of a fourth-semester-level language class (a South or East Asian language for the Asian Studies Certificate, or a modern South or East Asian language for a Middle Eastern language for the Middle Eastern Studies Certificate). Students will then complete 15 credits of approved electives for each track. Therefore, students must meet with the director to plan a course of study.

		Credits
3240:360	Ancient N-E Archaeology	3
Select at least one of the following:		
3400:289	World Civ: Middle East	2
3400:307	The Ancient Near East	3
3400:340	Sel T: History	3
3400:341	Islamic Fundamentalism & Revol	3

3400:342	The Crusades through Arab Eyes	3
3400:493	Sp St: North American History	3
3400:493	Sp St: North American History	3
Select at least one of the following:		
3700:392	Sel T: Political Science	1
3700:405	Politics in the Middle East	3
Students must choose remaining credits of electives from History, Political Science or Geography. See director for more information. Courses with comparative content are encouraged.		

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
Only one ancient world course will count towards the certificate.	
3400:340 Special Topics must be A History of Iraq and States and Statelessness in the Middle East: Kurds and Palestinians.	
3400:493 Sp St: North American History must be Ottoman State and Society, 1300-1922 and Women and Gender in the Middle East.	
The following credit hour requirement applies to this certificate: 15 credits.	

Guide Updated: 08-26-2013

Buchtel College of Arts and Sciences
DEPARTMENT OF COMPUTER
SCIENCE
Computer Science
Certificate – 346000C

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a “Certificate in Computer Science” and must be completed with a minimum grade point average of 2.0 over-all for the minor to be noted on the student’s record.

Course		Credit Hours	Prerequisites
3450:208	Introduction to Discrete Mathematics	4	3450:145 or 3450:149 w/ C- or better
3460:209	Computer Science I	4	3450:145 or 3450:149 w/ C- or better
3460:210	Computer Science II	4	3460:209 and 3450:208 w/ C- or better
3460:316	Data Structures	3	3460:210 & (3450:221 or 3450:210) w/ C- or better
Select one of the following:			
3450:210	Calculus with Business Applications	3	3450:145 w/ C- or better or placement test
3450:221	Analytic Geometry-Calculus I	4	3450:149 w/ C- or better or placement test
300/400-Level Computer Science Electives: select 6 credits			
3460:3xx			
3460:4xx			
Total Credits for Certificate		25	

NOTE: The credits earned in the certificate program cannot be counted towards the Computer Science minor program.

Must have a minimum cumulative GPA of a 2.0 to graduate with this certificate

PROGRAM CONTACT

Tim O’Neil
Professor, Department of Computer Science
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Buchtel College of Arts and Sciences

Modern Languages (3500)



Certificate: French & Francophone Studies (352001C)

The certificate in French and Francophone Studies is designed for those students who are interested in developing their skills in the French language and in gaining a broader perspective on and a deeper understanding of French-speaking countries in Europe, Africa, North America, the Caribbean and Asia. This certificate prepares students to function in a multicultural, global context, and enhances students' career choices and employment potential. Students interested in this program should consult with the French Section adviser in the Department of Modern Languages.

		Credits
Students are required to earn 21 credits. 12 credits must be in French at the 300-level and above. A minimum of 3 credits must be in language, 3 in literature and 3 in culture (9 credits total).		
Select one of the following:		
3520:301	French Conversation	3
3520:302	French Composition	3
3520:403	Adv French: Written & Oral Com	3
Select one of the following:		
3520:305	Introduction to French Lit I	3
3520:306	Introduction to French Lit II	3
3520:422	French: ST Adv Lng Skl Cult Li	1
Select one of the following:		
3520:303	French Culture & Civilizatn I	3
3520:304	French Culture & Civilizatn II	3
3520:422	French: ST Adv Lng Skl Cult Li	1
Select another 3 elective credits in a French course at the 300-400 level.		
Select 9 credits in other disciplines. Students will be able to expand on the French/ Francophone unit of the class in another discipline by conducting extensive research and writing a paper. The French/ Francophone component of a class in another discipline must be discussed with and approved by the course instructor and the student's adviser in the French Section. Courses in other disciplines (at least two must be represented) can be chosen from the following list:		
English:		
3300:467	Modern European Fiction	3
3300:362	World Literatures	3
Philosophy:		
3600:313	History of Modern Philosophy	3

3600:424	Existentialism	3
3600:426	Phenomenology	3
3600:481	Philosophy of Language	3
History:		
3400:337	France Napoleon to Degaulle	3
3400:381	History of Canada	3
3400:429	Eur: French Rev Era-1789-1815	3
Anthropology:		
3230:251	Human Diversity	3
3230:370	Globalization and Culture	3
Political Sciences:		
3700:392	Sel T: Political Science	1
Art:		
7100:301	Medieval Art	3
7100:302	Art in Europe- 17th-18th Cntry	3
7100:306	Renaissance Art in Nrth Europe	3
International Business:		
6800:421	Foreign Market Entry	3
2040:241	Technology & Human Values	2

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
Students should select Contemporary African Politics when taking 3700:392 Set T: Political Science.	
The following credit hour requirement applies to this certificate: 21 credits.	

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Modern Languages (3500)

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Certificate: Beginning Medical Spanish (358000C)

This certificate is open to all health care professional with no or very little background in Spanish. It will enable area professionals to interact more effectively with their patients by practicing oral and written communication skills in the medical context. The classes will be offered on-site for health care workers.

		Credits 9
Select the following:		
3580:104	Beginning Medical Spanish I	3
3580:105	Beginning Medical Spanish II	3
3580:106	Beginning Medical Spanish III	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirement applies to this certificate: 9 credits.

Guide Updated: 8-2-2016



Buchtel College of Arts and Sciences

Department of Modern Languages (3580)

Certificate: Advanced Spanish for the Health Professions and First Responders (358001C)

Health professionals understand that because the Spanish speaking population in the US is growing, and many Hispanics have very limited proficiency in English, the need for health professional who can communicate directly with patients is critical. This certificate will give participants a solid grounding in oral and written medical Spanish proficiencies and strong cultural competence in order to deal effectively with Spanish speaking patients. This will be done through advanced study of medical terminology in Spanish and the creative use of Spanish language in simulated conversations that enact real professional medical settings.

Students entering the program must have completed course Intermediate Spanish II 3580:202 with a minimum grade point average of 3.0 in Spanish. Admission for all others seeking the certificate is contingent upon an Oral Proficiency Interview conducted by a member of the Spanish faculty.

Advanced Certificate Core Requirements:		Credits
3580:307	Spanish Conversation: Health Professions	3
3580:308	Spanish Composition: Health Professions	3
3580:360	Hispanic Culture through Film	3

In addition to the core requirements, students must complete 6 elective credits from the following:

3580:301	Spanish Conversation	3
3580:302	Spanish Composition	3
3580:303	Spanish Grammar	3
3580:401	Advanced Spanish Conversation	3
3580:402	Advanced Spanish Composition	3
3580:311	Spanish/Spanish-American Cultural Experience	1-6
3580:417	Spanish/Spanish-American Study Abroad Experience	3-6

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

The following credit hour requirement applies to this certificate: 15 credits beyond 202.



Buchtel College of Arts and Sciences

Physics (3650)



Certificate: Computer Physics (365008C)

To qualify for the certificate program, a student must be in good academic standing in the major department and must submit a written request for admission to the director of the Physics department. This course of study adds a component of both physics and computer science to a major in a traditional area of science. The physics courses, beyond Elementary Classical Physics, emphasize computer applications, including data analysis and use of computers to solve physical problems. The certificate program has been structured to be accessible to most students working toward an undergraduate degree in a traditional area of science. The certificate may be combined with a minor in physics for students who wish to obtain a background in physics which emphasizes applications and uses of computers to collect and analyze data and to solve physical problems.

		Credits
Physics:		
3650:291	Elementary Classical Physics I	4
3650:292	Elementary Classical Phys II	4
3650:350	Modeling & Simulation	4
Mathematics:		
3450:221	Analytic Geometry-Calculus I	4
3450:222	Analytic Geometry-Calculus II	4
Computer Science:		
3460:406	Introduction to C & UNIX	3
3460:209	Computer Science I	4
3460:210	Computer Science II	4

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirement applies to this certificate: 31 credits.

Guide Updated: 08-22-2013



Buchtel College of Arts and Sciences

Political Science (3700)

Certificate: Applied Politics (370005C)

The Ray C. Bliss Institute and the Department of Political Science have combined to offer a Certificate Program in Applied Politics for undergraduate students. The Certificate Program in Applied Politics offers coursework in the history, organization and management of campaigns intended to influence the outcome of political decisions. Working from a set of core courses, students are allowed to concentrate in the area of applied politics of greatest interest—campaigns, communications, lobbying, political parties, etc. Believing that democracy is best served by having active and informed citizens, the certificate is designed for all students, no matter what their degree program, as long as they have a deep interest in practical politics.

Persons are eligible for admission to the Certificate Program in Applied Politics if they have been admitted to study as special, non-degree or full-time students in any department of the University. Students shall seek admission to this program by filing an application with the Bliss Institute. The student shall schedule courses with the assistance of an adviser at the earliest possible time.

Core Courses:		
3700:470	Campaign Management I	3
3700:471	Campaign Management II	3
3700:395	Intern: Government & Politics	2
Select at least 3 credits from the following:		
3700:402	Politics and the Media	3
3700:440	Survey Research Methods	3
3700:473	Voter Contact & Elections	3
3700:474	Political Opinion, Behavior & Electoral Politics	3
3700:475	American Interest Groups	3
3700:476	American Political Parties	3
Select 6 additional credits of electives from the following:		
3700:381	State Politics	3
3700:392	Selected Topics in Political Science	1-3
3700:397	Independent Study: Political Science	1-4
3700:402	Politics and the Media	3
3700:440	Survey Research Methods	3
3700:472	Campaign Finance	3
3700:473	Voter Contact & Elections	3
3700:474	Political Opinion, Behavior & Electoral Politics	3
3700:475	American Interest Groups	3

3700:476	American Political Parties	3
7600:475	Political Communication	3

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

Students must maintain at least a B average in their coursework for the certificate.

Political Science majors will, upon completion of the program, be awarded a B.A. or B.S. degree in Political Science with a Certificate in Applied Politics. Majors in other disciplines will have the Certificate noted on their permanent record.

The following credit hour requirement applies to this certificate: 18 credits.

Guide Updated: 08-26-2013



Buchtel College of Arts and Sciences

Political Science (3700)



Certificate: Conflict Management & Social Entrepreneurship (370016C)

		Credits
3700:334	Law, Mediation, and Violence	3
3850:490	Orgs,Community,& Social Action	3
3230:460	Field Methods in Cultural Anth	4
Select one of the two courses listed below :		
3700:333	Social Entrepreneurship	3
6300:301	New Venture Creation	3
Experiential Learning Component (internship, field research, or service learning project from any department) - 3 cr		

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

Guide Updated: 02-05-2016

Effective: Fall 2009
Last Updated: 7/22/15



Buchtel College of Arts and Sciences CRIMINAL JUSTICE STUDIES CORRECTIONS Certificate – 380011C

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

This certificate introduces the student to a variety of current issues in corrections.

This certificate may be earned independent of earning a degree.

The following courses constitute a “Certificate in Criminal Justice Studies - Corrections” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
3800:100	Introduction to Criminal Justice	3	
3800:103	Introduction to Corrections	3	3800:100
3800:270	Community Corrections	3	3800:100
3800:275	Legal Aspects of Corrections	3	
2260:255	Effective Workplace Relationships	3	
7750:269	Criminal Justice & Addiction	3	
	Total Credits for Certificate	18	

PROGRAM CONTACT

Dr. David Licate, Professor and Program Coordinator for Criminal Justice Studies, 330-972-7392, licate@uakron.edu



Buchtel College of Arts and Sciences

Criminal Justice Studies (3800)



Certificate: Criminal Justice Studies - Corrections (380011C)

The following information has official approval of the Buchtel College of Arts and Sciences, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others. This certificate introduces the student to a variety of current issues in corrections. This certificate may be earned independent of earning a degree. The following courses constitute a Certificate in Criminal Justice Studies - Corrections and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the students record.

		Credits
3800:100	Intro to Criminal Justice	3
3800:103	Introduction to Corrections	3
3800:270	Community Corrections	3
3800:275	Legal Aspects of Corrections	3
2260:255	Effective Workplace Relationships	3
7750:269	Criminal Justice & Addiction	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
All prerequisites must be honored.
The following credit hour requirement applies to this certificate: 18 credits.

Guide Updated: 02-10-2016

Effective: Fall 2009
Last Updated: 7/22/15



Buchtel College of Arts and Sciences CRIMINAL JUSTICE STUDIES SECURITY ADMINISTRATION Certificate – 380012C

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Criminal Justice Studies – Security Administration Certificate offers an extensive curriculum dealing with policy, management, technology, and legal issues in physical, information, personnel, and homeland security.

This certificate may be earned independent of earning a degree.

The following courses constitute a “Certificate in Criminal Justice Studies – Security Administration” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
3800:101	Introduction to Security Administration Technology	3	
3800:231	Physical security: Systems, Design, & Control	3	
3800:232	Legal Issues in Security Administration	3	
3800:233	Security Investigations: Principles & Practice	3	
3800:234	Computer and Information Security	3	
3800:245	Homeland Security: Principles & Practice	3	
Total Credits for Certificate		18	

PROGRAM CONTACT

Dr. David Licate, Professor and Program Coordinator for Criminal Justice Studies, 330-972-7392, licate@uakron.edu



Buchtel College of Arts and Sciences

Criminal Justice Studies (3800)



Certificate: Criminal Justice Technology - Security Administration (380012C)

The following information has official approval of the Buchtel College of Arts and Sciences, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others. The Criminal Justice Studies "Security Administration Certificate offers an extensive curriculum dealing with policy, management, technology, and legal issues in physical, information, personnel, and homeland security. This certificate may be earned independent of earning a degree. The following courses constitute a "Certificate in Criminal Justice Studies "Security Administration" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

		Credits
3800:100	Intro to Criminal Justice	3
3800:231	Phys Secur: Syst, Dsgn & Ctrl	3
3800:232	Legal Issues in Security Admin	3
3800:233	Secur Investgtns: Prin & Pract	3
3800:234	Computer and Info Security	3
3800:245	Homeland Security: Prin & Prac	3

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
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Guide Updated: 02-10-2016

Effective: Fall 2009
Last Updated: 7/22/15



Buchtel College of Arts and Sciences CRIMINAL JUSTICE STUDIES LAW ENFORCEMENT Certificate – 380016C

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Criminal Justice Studies Law Enforcement Certificate provides an introductory program in police studies for practitioners and those entering the field.

This certificate may be earned independent of earning a degree.

The following courses constitute a "Certificate in Criminal Justice Studies – Law Enforcement" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

Course		Credit Hours	Prerequisites
3800:100	Introduction to Criminal Justice	3	
3800:105	Introduction to Police Studies	3	
3800:102	Principles of Criminal Law	3	3800:100
3800:104	Evidence and Criminal Legal Process	3	3800:100
3800:260	Critical Incident Intervention for C.J.	3	3800:100
3800:251	Criminal Investigation	3	3800:100
Total Credits for Certificate		18	

PROGRAM CONTACT

Dr. David Licate, Professor and Program Coordinator for Criminal Justice Studies, 330-972-7392, licate@uakron.edu



Buchtel College of Arts and Sciences

Criminal Justice Studies (3800)



Certificate: Criminal Justice Technology - Law Enforcement (380016C)

The following information has official approval of the Buchtel College of Arts and Sciences, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others. The Criminal Justice Studies Law Enforcement Certificate provides an introductory program in police studies for practitioners and those entering the field. This certificate may be earned independent of earning a degree. The following courses constitute a Certificate in Criminal Justice Studies Law Enforcement and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the students record

		Credits
3800:100	Intro to Criminal Justice	3
3800:105	Intro to Police Studies	3
3800:102	Principles of Criminal Law	3
3800:104	Evidence & Crim Legal Process	3
3800:260	Critical Incident Intervention	3
3800:251	Criminal Investigation	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
All prerequisites must be honored.
The following credit hour requirement applies to this certificate: 18 credits.

Guide Updated: 02-10-2016

Effective: Fall 2015
Last Updated: 7/22/15



Buchtel College of Arts and Sciences FORENSIC STUDIES Certificate – 380020C

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Forensic Studies Certificate is designed for individuals interested in the application of scientific methods to the criminal legal process. The certificate provides the student with a foundation in physical and digital forensic methods, the investigative process, professional communication, the law of evidence, and the opportunity to explore a forensic discipline of their own choosing. The certificate is appropriate for students majoring in a degree in any of the disciplines that currently have a forensic specialization such as chemistry, biology, nursing, computer science, or accounting. Individuals working in the legal and investigative fields who seek to enhance their scientific reasoning skills and beginners with a general interest in the subject area are welcome.

This certificate may be earned independent of earning a degree.

The following courses constitute a “Certificate in Forensic Studies” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
3800:100	Introduction to Criminal Justice	3	
3800:104	Evidence & Criminal Legal Process	3	3800:100
3800:251	Criminal Investigation	3	3800:100
3800:253	Basic Forensic Methods	3	3800:100, 2820:105
3800:281	Computer Forensic Methods	3	3800:100 or 3800:101
3800:286	Courtroom Communication	3	3800:100
xxxx:xxx	One approved elective in an area of specialization (ex. forensic accounting, forensic nursing, etc.)	3	
Total Credits for Certificate		21	

PROGRAM CONTACT:

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Effective: Fall 2010
Last Updated: 7/22/15



Buchtel College of Arts and Sciences FORENSIC PSYCHOLOGY Certificate – 380021C

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The Forensic Psychology Certificate provides an educational foundation in the application of psychological theory and methods in criminal justice.

This certificate may be earned independent of earning a degree.

The following courses constitute a “Certificate in Forensic Psychology” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
3800:100	Introduction to Criminal Justice	3	
3750:100	Introduction to Psychology	3	
3750:110	Quantitative Methods	4	3750:100
3750:410	Psychological Tests and Measurements	4	3750:100, 3750:110
3800:287	The Legal System and Psychology	3	3800:100
3800:286	Courtroom Communication	3	3800:100
3750:xxx	Technical Elective	4	
	Total Credits for Certificate	24	

One required technical elective must be taken from the following:

Electives		Credit Hours	Prerequisites
3750:420	Abnormal Psychology	4	
3750:430	Psychological Disorders of Children	4	
3750:320	Biopsychology	4	

PROGRAM CONTACT:

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Effective: Fall 2008
Last Updated: 2/8/17



Buchtel College of Arts and Sciences FORENSIC STUDY OF BEHAVIORS Certificate – 380022C

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

This certificate program is intended for individuals who wish to enhance their knowledge of behavioral sciences in criminal justice settings. This certificate is independent of a degree and is designed for individuals in one of the following categories:

- (1) Criminal justice majors who wish to specialize in the study of behaviors within the criminal justice field
- (2) Non-criminal justice majors who want an introduction to the discipline of criminal justice
- (3) Professionals employed in the field who would like to further develop their expertise in this area

The following courses constitute a "Certificate in Forensic Study of Behaviors" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

Course		Credit Hours	Prerequisites
3800:100	Introduction to Criminal Justice	3	
3800:224	Profiling Serial Killers	3	3800:100
3800:226	Interviews, Interrogations, and Hostage Negotiations	3	3800:100
3800:255	Introduction to Forensic Investigation	3	3800:100
3800:260	Critical Incident Interventions for Criminal Justice	3	3800:100
3850:428	The Victim and Society	3	3850:100
Total Credits		18	

PROGRAM CONTACT:

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Professor and Program Coordinator for Criminal Justice Studies
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Buchtel College of Arts and Sciences

Sociology (3850)



Certificate: Research Methods for the Social Sciences (385000C)

The RMSS Certificate is designed for students interested in interdisciplinary social science research. While each social science has its own approaches to research, there are many methods and techniques of data collection and analysis that are shared across disciplines. The goal of the RMSS program is to encourage and support the broad understanding and application of many social science research methodologies and to help bridge the divide between disciplines and methodologies

To satisfy the requirements for the certificate, a student must complete a minimum of 15 semester credits, including two core courses, two complementary courses and the RMSS Proseminar.

		Credits
Core Methods Courses (9-11 credits)		
Required I. (Select one): Students can apply the methods course taken in their major discipline to the certificate or choose to take a course in another discipline. Students choosing a course in another discipline should be advised that there may be pre-requisites for the class in that department.		
Anthropology:		
3230:398	Intro: Anthropological Data	3
Communication:		
7600:384	Communication Research	3
Emergency Management:		
2235:355	Emer Mgt Rsch Meth & Appl	3
Geography:		
3350:481	Research Meth in Geog & Plan	3
History:		
3400:310	Historical Methods	3
Marketing:		
6600:335	Marketing Research	3
Nursing:		
8200:435	Nursing Research	2
Political Science:		
3700:201	Intro to Political Research	3
Psychology:		
3750:220	Intro to Experimental Psych	4
Social Work:		
7750:440	Social Work Research I	3
Sociology:		
3850:301	Methods of Social Research I	3

Required II. (Select one): Pre-requisite: Completion of one of the Required I courses, or another course approved by the Program Directors.		
Anthropology:		
3230:460	Field Methods in Cultural Anth	4
Sociology (Take the topic Research Methods - 3 credits):		
3850:365	ST: Sociology	1
<p>Required III. Research Methods for Proseminar (3850:470 or 3230:470) (3 credit hours). Pre-requisite: Completion of all other courses towards the RMSS certificate and permission of the Program Directors.</p> <p>This will be the final course for students completing the Certificate program in Research Methods. Students will demonstrate their ability to apply the research methods they have learned from conceptualization, design, data collection, analysis, and interpretation. The seminar will be offered in Sociology and Anthropology on a rotating basis.</p> <p>Complementary Interdisciplinary Courses (minimum of 6 credits) - required from at least two different groups.</p>		
Group 1- Philosophy		
3600:426	Phenomenology	3
3600:464	Philosophy of Science	3
Group 2- English		
3300:479	Managment Reports	3
3300:489	Seminar in English	2
Group 3- Statistics & Sociology		
3470:462	Applied Regression and ANOVA	4
3470:465	Design of Sample Surveys	3
3850:302	Methods of Social Research II	3

Distribution Requirements
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.
The following credit hour requirements apply to this certificate: 15 credits.

Guide Updated: 09-11-2013



College of Engineering

Chemical Engineering (4200)



Certificate: Chemical Engineering / Polymer Engineering (420006C)

		Credits
Required:		
4200:408	Polymer Engineering	3
Choose one Polymer Engineering course from:		
4200:461	Solids Processing	3
4700:425	Intro: Blend & Comp Polyr	3
4700:427	Mold Design	3
Choose one Polymer Science course from:		
9871:401	Introduction to Elastomers	3
9871:402	Introduction to Plastics	3
9871:407	Polymer Science	4

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
9841:425 Intro Blending & Compnd Polym may be substituted for 4700:425 Intro: Blend & Comp Polyr.	
The following credit hour requirement applies to this certificate: 9 credits.	

Guide Updated: 08-21-2013



College of Engineering

Chemical Engineering (4200)



Certificate: Biotechnology Specialization (420008C)

The goal of this program is to allow engineering students with an interest in chemistry and biotechnology to develop suitable preparation for graduate study in biotechnology or the medical fields without reducing their potential for careers in traditional chemical engineering. Students will have ample opportunity to work with researchers in biotechnology through their engineering and design electives.

		Credits
All current requirements for the Bachelor's of Science in Chemical and Biomolecular Engineering (except: 3150:313, 314 Physical Chemistry I and II and 4200:305 Material Science). Students choose either 3100:311 or 3100:331.		
3100:111	Principles of Biology I	4
3100:112	Principles of Biology II	4
3100:311	Cell & Molecular Biology	4
3100:331	Microbiology	4
Advanced Chemistry Elective		
3150:401	Biochemistry Lecture I	3
Chemical and Biomolecular Engineering Elective-3 credits chosen from the following:		
4200:472	Separation Proces-Biochem Engr	3
4200:473	Bioreactor Design	3
4200:496	T: Chemical Engineering	1
4200:194	Chemical Engineering Design I	1
4200:294	Chemical Engineering Design II	1
4200:394	Chemical Engineering Dsgn III	1
4200:494	Design Project	3
4200:497	Honors Project	1
4200:499	Res Proj: Chemical Engineering	1
4800:360	Biofluid Mechanics	3
4800:400	Biomaterials	3
Design Electives-3 credits chosen from the following:		
4200:473	Bioreactor Design	3
4200:496	T: Chemical Engineering	1
4200:194	Chemical Engineering Design I	1
4200:294	Chemical Engineering Design II	1
4200:394	Chemical Engineering Dsgn III	1
4200:494	Design Project	3
4200:497	Honors Project	1
4200:499	Res Proj: Chemical Engineering	1

4300:482	Spec Pro: Civil Engineering	1
4800:485	ST: Biomedical Engineering	1

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
Courses 4200:496, 194, 294, 394, 494, 497, 499 and 482 need permission.	
The following credit hour requirement applies to this certificate: 21 credits.	

Guide Updated: 08-21-2013



College of Engineering

Mechanical Engineering (4600)



Certificate: Motion & Control Specialization (460006C)

The primary purpose of the motion and control certificate program is to provide graduation engineers with a focused expertise in motion and control and to furnish the necessary tools in order to enable them to follow the changes in technology after graduation. In addition, the program will also serve practicing engineers and life-long learners to come back to school and refresh their skills. Mechanical engineering students who may choose this certificate program with special emphasis in motion and control will take all mechanical engineering electives in motion and control.

		Credits
4600:null	null	3
Select one:		
4600:444	Robot Design, Control & Appl	3
4600:null	null	3
Select one:		
4600:442	Industrial Automatic Control	3
4600:null	null	3

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
Students need permission before taking 4600:670 Integrated Flexible Manufacturing Systems.	
4600:444 and 442 are also available at the 500-level.	
The following credit hour requirement applies to this certificate: 9 credits.	

Guide Updated: 08-21-2013



College of Engineering

Mechanical Engineering (4600)



Certificate: Mechanical Engineering - Polymer Engineering Specialization (460007C)

		Credits
Required:		
4700:425	Intro: Blend & Comp Polyr	3
4700:427	Mold Design	3
Choose one of the following:		
9871:401	Introduction to Elastomers	3
9871:402	Introduction to Plastics	3
9871:407	Polymer Science	4

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
The following credit hour requirement applies to this certificate: 9 credits.	

Guide Updated: 08-21-2013

Effective: Spring 2018
Last Updated: 3/23/18



Buchtel College of Arts and Sciences CHILD AND FAMILY DEVELOPMENT CHILD CARE WORKER Certificate – 520200C

The following information has official approval of the **Buchtel College of Arts and Sciences**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

This certificate program provides basic vocational training for childcare practitioners. The course of study is a means of meeting the short range goals of students interested in acquiring skills for job placement in early childhood settings. This certificate may be attained independent of earning a degree.

The following courses constitute a “Child Care Worker Certificate” and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student’s record.

Course		Credit Hours	Prerequisites
2040:240	Human Relations	3	
3760:245	Infant/Toddler Day Care Programs	3	
3760:246	Multicultural Issues in Child Care	3	
3760:247	Diversity in Early Childhood Literacy	3	
3760:250	Observing & Recording Children's Behavior	3	3760:265 or permission.
3760:265	Child Development	3	
3760:270	Theory & Guidance of Play	3	3760:265
3760:280	Early Childhood Curriculum Methods	3	3760:265
3760:370	Teaching in the Early Childhood Classroom	2	3760:265, 3760:270, and 3760:280.
3760:375	Teach in the Early Childhood Classroom Lab	2	3760:265, 3760:270, and 3760:280.
Total Credits for Certificate		28	

PROGRAM CONTACT

Dr. Shannon Zentall
Associate Professor, Child & Family Development
330-972-6049
szentall@uakron.edu



College of Education

Technical Education (5400)



Certificate: Teaching and Training Technical Professionals (540100C)

		Credits
5400:400	Adult Learning	3
5400:401	Learning with Technology	3
5400:420	eLearning by Design	3
5400:430	Program Planning	3
5400:435	Sys Inst Design in Postsec Ed	3
5400:475	Instructional Delivery	3
Select one:		
5400:null	null	3
5400:415	Talent Development & Training	3

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
5400:401 Learning with Technology must be taken with or prior to the first Postsecondary Technical Education courses.	
5400:475 Instructional Practice Seminar is the last course taken. This course cannot be taken until all other certificate courses have been completed with a 3.0 GPA or better.	
The following credit hour requirements apply to this certificate: 21 credits.	

Guide Updated: 08-21-2013



College of Health Professions

Physical Education (5550)



Certificate: Sport & Exercise Science - Sport Coaching / Strength Conditioning (555204C)

		Credits
5550:352	Strength & Condition Fund	3
5550:409	Sport Behavior	3
5550:453	Principles of Coaching	3
5550:462	Legal Asp of Physical Activity	2
5550:460	Pract: Physical Education	1

Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.

5550:460 Pract: Physical Education (offered for 1-6 credits) must be repeated for a total of 9 credits.

The following credit hour requirements apply to this certificate: 20 credits.

Guide Updated: 11-11-2014



College of Health Professions

Physical Education (5550)



Certificate: Sport & Exercise Science - Sport Management (555207C)

		Credits
Required:		
5550:100	Intro: Sport Studies	3
5550:420	Funda of Mgmt Strateg in Sport	3
5550:422	Sport Planning/Promotion	3
5550:450	O & A: Phys Ed, Intram & Athltc	3
5550:452	Found of Spt Sc, Phy & Hlth Ed	3
5550:460	Pract: Physical Education	1

Distribution Requirements	
This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.	
5550:460 Pract: Physical Education must be taken for 5 credits.	
The following credit hour requirements apply to this certificate: 20 credits.	

Guide Updated: 11-11-2014



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- Earn a 2.0 GPA in all certificate coursework.
- Complete all pre-requisites for each course.
- Courses may not be taken as pass/ fail.
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- Earn at least 9 credits at The University of Akron in the CBA.
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Entrepreneurship (630000C)		
15 Credits – All courses 3 credit hours		
	PRE-REQ	DONE
Required Courses: 15 credits		
6300:201 Introduction to Entrepreneurship		<input type="checkbox"/>
6300:301 New Venture Creation (Spring Only) OR 3700:333 Social Entrepreneurship	6300:301 = 6300:201	<input type="checkbox"/>
6400:300 Intro to Finance (non-Bus majors) OR 6400:301 Principles of Finance *Students admitted to the College of Engineering with 48 credit hours completed are not required to take 6200:250	Both = 3250:200, 3450:145; 6400:301 = 6200:201; & 6200:250	<input type="checkbox"/>
6600:275 Professional Selling	25 credits	<input type="checkbox"/>
6100:101 Business Issues in a Connected World		<input type="checkbox"/>

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Risk Management & Insurance (640005C)		
18 Credits – All courses 3 credit hours		
	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 12 credits		
6400:414 Risk Management: Property & Casualty	6400:301	<input type="checkbox"/>
6400:415 Risk Management: Life & Health	6400:301	<input type="checkbox"/>
6400:418 Insurance Operations (Fall)	6400:414 or 415	<input type="checkbox"/>
6400:461 Enterprise Risk Management (Spring)	6400:414, 415, & 418	<input type="checkbox"/>
Electives: 6 credits. Select 2 course from the following		
3250:410 Intermediate Microeconomics (Spring)	3250:200 or 244, 3450:145 or equiv.	<input type="checkbox"/>
3250:427 Economic Forecasting	3250:200 & 201 or 244, 3470:261 & 262	<input type="checkbox"/>
3470:471 Actuarial Science I	3470:451 or 461 or equiv.	<input type="checkbox"/>
3470:472 Actuarial Science II	3470:471	<input type="checkbox"/>
6400:200 Foundations of Personal Finance		<input type="checkbox"/>
6400:300 Introduction to Finance	3450:145 & 3250:200 or 244	<input type="checkbox"/>
3400:301 Principles of Finance	3250:200 or 244, C- in 3450:145, 6200:201 & 250*	<input type="checkbox"/>
6400:338 Financial Markets & Institutions	6400:301	<input type="checkbox"/>
3400:343 Investments	6400:301, 6500:304 or 3250:426	<input type="checkbox"/>
6500:341 Human Resource Management	3750:100 or 3850:100, & 6500:301 (co-req)	<input type="checkbox"/>
6600:275 Professional Selling	25 credits	<input type="checkbox"/>

*Allows actuarial science students with 48 credits hours (including courses in progress) to waive the 6200:250 prerequisite for 6400:301



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Financial Planning (640006C)		
24 Credits – All courses 3 credit hours		
	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 24 credits		
6400:200 Foundation in Personal Finance	3250:200/244, 3450:145	<input type="checkbox"/>
6400:300 Introduction to Finance (non-Bus majors) OR 6400:301 Principles of Finance <i>*Students admitted to the College of Engineering with 48 credit hours completed are not required to take 6200:250</i>	Both = 3250:200, 3450:145; 6400:301 = 6200:201; & 6200:250	<input type="checkbox"/>
6200:410 Tax for Financial Planning (Fall Only) ☼		<input type="checkbox"/>
6200:330 Contemporary Federal Taxation ☼	Admitted to Major, ≥ C in 6200:201; Co-req: 6200:321	<input type="checkbox"/>
6400:343 Investments OR 6400:341 Contemporary Investments (non-Bus majors)	6400:343: 6400:301/300, 6500:304 or 3250:426	<input type="checkbox"/>
6400:415 Risk Management: Health & Life Insurance ☼	6400:301/300	<input type="checkbox"/>
6400:417 Retirement Planning ☼	6400:301/300	<input type="checkbox"/>
6400:432 Seminar in Financial Planning ☼	Pre-reqs = 6400:200, 343, 301/300, 6200:410, 330; co-req= 6400:415	<input type="checkbox"/>

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Leadership (660103C)		
13 Credits – All courses 3 credit hours		
	PRE-REQ	DONE
Required Courses: Minimum of 12 credits		
1600:100 Leadership and Personal Development (2 credits) OR 1500:113 The Foundation of the United States Air Force I (1 credit)		<input type="checkbox"/>
1600:101 Introduction to Tactical Leadership (2 credits) OR 1500:114 The Foundation of the United States Air Force II (1 credit)		<input type="checkbox"/>
6100:200 Personal Leadership Skills (1 credit)	32 credits	<input type="checkbox"/>
6500:301 Management: Principles & Concepts	48 credits	<input type="checkbox"/>
6500:302 Organizational Behavior & Leadership Skills	6500:301	<input type="checkbox"/>
3600:362 Business Ethics		<input type="checkbox"/>
Electives: Minimum of 1 credit. Select 1 course from the following		
1600:200 Innovative Team Leadership (2 credits)		<input type="checkbox"/>
1600:201 Foundations of Tactical Leadership (2 credits)		<input type="checkbox"/>
1500:253 Evolution of United States Air Force Air and Space Power I (1 credit)		<input type="checkbox"/>
1500:254 Evolution of the United States Air Force Air and Space II (1 credit)		<input type="checkbox"/>
2235:401 Crisis Leadership		<input type="checkbox"/>
7600:235 Interpersonal Communication		<input type="checkbox"/>

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Professional Selling (660103C)		
15 Credits – All courses 3 credit hours		
	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 9 credits		
6600:205 Marketing Principles	24 credits, 3250:200coreq	<input type="checkbox"/>
6600:275 Professional Selling	25 credits	<input type="checkbox"/>
6600:478 Advanced Professional Selling ☼	6600:275	<input type="checkbox"/>
Electives: 6 credits. Select 2 courses from the following		
6100:101 Business Issues in a Connected World		<input type="checkbox"/>
6600:355 Buyer Behavior	6600:205	<input type="checkbox"/>
6600:480 Sales Management ☼	6600:205	<input type="checkbox"/>
6600:475 Business Negotiations ☼	25 credits and 6600:275	<input type="checkbox"/>
3300:390 Professional Writing I	3300:112	<input type="checkbox"/>
3460:101 Essentials of Computer Science		<input type="checkbox"/>
3600:362 Business Ethics		<input type="checkbox"/>
3750:380 Industrial/ Organizational Psychology (4 crs)	3750:100	<input type="checkbox"/>
3750:443 Human Resource Management (4 credits)	3750:100 and 3750:380	<input type="checkbox"/>
4100:400 Engineering Management and Leadership		<input type="checkbox"/>
7600:345 Business & Professional Speaking	7600:105 or 7600:106; 7600:245	<input type="checkbox"/>
7600:227 Non-Verbal Communication		<input type="checkbox"/>
7600:245 Argumentation		<input type="checkbox"/>
7400:139 The Fashion & Furnishings Industries		<input type="checkbox"/>
3250:100 Introduction to Economics		<input type="checkbox"/>



WEB-VERSION/ TENTATIVE DEGREE REQUIREMENTS

Official course requirements based upon semester admitted into the CBA and/or term certificate declared.
Official requirements listed in Degree Progress Report (DPR).

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- Complete all pre-requisites for each course.
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- Complete at least 6 additional credits not needed for any other major, minor, or certificate.
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Health Care Selling (660108C)		
15 Credits – All courses 3 credit hours		
	PRE-REQ	DONE
Required Courses: 6 credits		
6600:275 Professional Selling	25 credits	<input type="checkbox"/>
6600:478 Advanced Professional Selling <i>Must be admitted to 4 year degree granting MAJOR</i>	6600:275	<input type="checkbox"/>
Electives: 9 credits. Select 3 courses from the following		
1880:310 Medicine & Humanities		<input type="checkbox"/>
2740:120 Medical Terminology		<input type="checkbox"/>
2740:121 Study of Disease Processes	2740:120	<input type="checkbox"/>
2740:230 Basic Pharmacology		<input type="checkbox"/>
2780:106 Anatomy & Physiology or 3100:200 Human Anatomy & Physiology I		<input type="checkbox"/>
2780:107 Anatomy & Physiology II or 3100:202 Human Anatomy & Physiology II	2780:106 or 3100:201	<input type="checkbox"/>
3100:265 Introductory Human Physiology		<input type="checkbox"/>
3150:100 Chemistry and Society		<input type="checkbox"/>
3230:457 Medical Anthropology	3230:150	<input type="checkbox"/>
3600:361 Biomedical Ethics		<input type="checkbox"/>
3850:342 Sociology of Health & Illness	3850:100	<input type="checkbox"/>
5550:150 Concepts in Health & Fitness		<input type="checkbox"/>
5570:101 Personal Health (2 credit hours)		<input type="checkbox"/>
6500:480 Intro to Health Care Management <i>Must be admitted to 4 year degree granting MAJOR</i>	Jr. or Sr.	<input type="checkbox"/>
7700:295 Direct Exp. in Hospitals	Permission	<input type="checkbox"/>
7700:484 Hospital Children & Family	7400:265	<input type="checkbox"/>
7600:438 Health Communication <i>Must be admitted to 4 year degree granting MAJOR</i>		<input type="checkbox"/>
7750:456 Social Work Health Services	7750:401	<input type="checkbox"/>
8200:100 Introduction to Nursing		<input type="checkbox"/>

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 - Complete all pre-requisites for each course.
 - Courses may not be taken as pass/ fail.
 - Complete at least 6 additional credits not needed for any other major, minor, or certificate.
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Professional Selling Certificate for Engineering Majors (660111C)		
9 Credits – All courses 3 credit hours		
	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 6 credits		
6600:275 Professional Selling	25 credits	<input type="checkbox"/>
6600:478 Advanced Professional Selling ☼	6600:275	<input type="checkbox"/>
Electives: 3 credits. Select 1 course from the following		
6600:475 Business Negotiations ☼	6600:275, 25 credits	<input type="checkbox"/>
4100:400 Engineering Management & Leadership		<input type="checkbox"/>
4300:471 Construction Administration	Senior standing	<input type="checkbox"/>
4200:110, 210 and 310 Project Management and Teamwork I, II and III	See indiv course	<input type="checkbox"/>

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International Business (680000C)		
15 Credits – All courses 3 credit hours		
	PRE-REQ	DONE
☼ = Must be admitted to 4 year degree granting MAJOR		
Required Courses: 9 credits		
6800:305 International Business	48 credits	<input type="checkbox"/>
6100:101 Business Issues in a Connected World		<input type="checkbox"/>
6800:421 Foreign Market Entry (Fall only) ☼	6800:305	<input type="checkbox"/>
Electives: 6 credits. Select 2 courses from the following		
2235:360 Introduction to Terrorism	Co-req= 2235:305	<input type="checkbox"/>
3004:201 Intro: International Development		<input type="checkbox"/>
3250:460 Econ of Developing Countries	3250:200 & 201, or 3250:244	<input type="checkbox"/>
3250:461 Principles of International Economics	3250:200 & 201, or 3250:244	<input type="checkbox"/>
3350:460 Political Geography		<input type="checkbox"/>
3600:329 Philosophies of International Law		<input type="checkbox"/>
3700:150 World Politics & Government		<input type="checkbox"/>
3700:300 Comparative Politics		<input type="checkbox"/>
3700:310 International Politics & Institutions		<input type="checkbox"/>
3700:414 Wealth & Power Among Nations	3700:310	<input type="checkbox"/>
6400:323 International Business Law (Spring Only)		<input type="checkbox"/>
7600:325 Intercultural Communication ☼		<input type="checkbox"/>

RESEARCH CENTERS AND INSTITUTES

University Research Council

The University Research Council is responsible for the supervision and coordination of sponsored and contractual research activities carried out at The University of Akron through such departments, colleges, research institutes and centers as established to conduct research. The Council is chaired by the Vice President for Research and Dean of the Graduate School. Its members are recommended to the Vice President for Research and Dean of the Graduate School, in consultation with the Senior Vice President, Provost and COO. Membership includes the Director of the Office of Research Administration, General Counsel, Dean of the Buchtel College of Arts and Sciences, Dean of Engineering, Dean of Polymer Science and Polymer Engineering, Director of the Institute of Polymer Engineering and two faculty members recommended by the Executive Committee of the Faculty Senate.

Akron Global Polymer Academy

The Akron Global Polymer Academy at The University of Akron assists the College of Polymer Science and Polymer Engineering in creating and disseminating knowledge about polymer science, polymer engineering and Science, Technology, Engineering and Mathematics (STEM) education by supporting initiatives in P-16 education and other distributive education ventures. Providing consulting and training services to the polymer industry worldwide, the Akron Polymer Training Center is the Workforce Development division of the Akron Global Polymer Academy.

Website: Akron Global Polymer Academy

Applied Polymer Technology Services

As of June 1, 2016, Akron Polymer Training Center (APTC) and Applied Polymer Research Center (APRC) have merged. The combined centers will go forward together under the name Akron Polymer Technology Services (APTS).

At Applied Technology Services (formerly the Akron Polymer Training Center and Applied Polymer Research Center), our mission is to advance all sectors of the polymer industry through the delivery of training, testing, and processing services that enrich learning and optimize industrial performance. Services are enhanced by the capabilities within The University of Akron and by developing domestic and international partnerships with business, industry, community, and other institutions of higher education.

Combining these two centers, provides customers with access to testing capabilities that include a new TOSOH EcoSEC GPC Laboratory, means to improving technical skills for conducting efficient failure investigation and root cause analysis through hands-on training courses with pilot and industrial scale equipment, as well as a range of processing services. Both centers have considerable talent and experienced staff that together will allow us to better serve our customers moving forward.

If you have any additional questions, please contact Dr. Jelynn A. Stinson at 330-972-8661 or apts@uakron.edu

Website: Applied Polymer Technology Services

Center for Advanced Vehicles and Energy Systems

The Center for Advanced Vehicles and Energy Systems (CAVES), established in 2005, focuses on the research, development and dissemination of advanced automotive technology and alternative energy systems and their enabling technologies. The Center's efforts are geared toward product-oriented research, development and commercialization of efficient cost-effective solutions to alternative transportation systems, advanced energy sources and storage and their real-time control platforms. In addition to providing research services to industry, private and government agencies, CAVES also provides knowledge dissemination through symposia, lectures, seminars and project-oriented graduate and undergraduate design experiences.

The Electrical and Computer Engineering and Mechanical Engineering departments have faculty and graduate and undergraduate students currently involved in hybrid vehicle technology, energy systems and related areas. CAVES' activities are housed within a number of facilities, including the Power Electronics Laboratory, the Controls Research Laboratory, the Battery Research Facility, the Hybrid Electric Facility and the Pervasive Automation Laboratory, among others.

Website: Center for Advanced Vehicles and Energy Systems

Center for Conflict Management

The University of Akron has a long and proud history of the interdisciplinary study of conflict because understanding the nature of conflict is the first step toward reducing conflict and violence at home, in our communities, workplaces and schools. The Center for Conflict Management, jointly administered by the departments of Political Science and Sociology, seeks to build on that tradition by combining courses in several departments to enhance the capacity of students to effectively work toward reducing the harms associated with conflict and violence—from interpersonal to international.

For more information, contact the office, 202 Olin Hall, 330-972-5855, wtylons@uakron.edu or www.uakron.edu/conflict.

Website: Center for Conflict Management

Center for Emergency Management and Homeland Security Policy Research

The Center for the Emergency Management and Homeland Security Policy Research is dedicated to create a supportive environment for research, academics and outreach in emergency management and homeland security. It supports and encourages multidisciplinary endeavors in these fields that make a positive contribution to society. The Center is a collaborative partnership between The University of Akron and The Ohio Emergency Management Agency.

The Center focuses on policy and its interaction with the function of emergency management. This policy analysis and research relates to contemporary emergency management questions and issues on both state and national levels. Project areas include terrorism preparedness, business and industry continuity, disaster response and recovery

assessment, as well as management practices relating to crises and disasters.

Website: Center for Emergency Management and Homeland Security Policy Research

Center for Environmental Studies

The University of Akron's Center for Environmental Studies, located in Crouse Hall 215, was founded in 1970 to encourage multidisciplinary approaches to address environmental issues and resolve environmental problems.

The Center is a cooperative effort of several departments including biology, chemistry, chemical engineering, civil engineering, economics, education, geography, geology & environmental science, history, library, political science, and sociology. There are about ninety affiliated faculty.

The Center provides opportunities for scientists, educators, students and special interest groups to work together on issues of environmental concern.

In recent years the Center has directed: an undergraduate and graduate certificate program of study; fielded responses to local inquiries regarding environmental problems; and sponsored workshops and seminars on environmental issues

Website: Center for Environmental Studies

Center for Family Studies

The Center for Family Studies, established in 1979, was designed to stimulate and encourage the interdisciplinary study of the family. It serves both the University and the community by fostering collaboration between faculty, students, practitioners and community leaders on curriculum development, educational conferences and seminars, research and training and public policy relevant to important family issues. The Center is a member of the Sloan (Foundation) Work and Family Research Network and can supply current and credible information on work-family issues to its constituencies.

The Center is represented by faculty from five colleges and over 15 disciplines. It also includes leaders from various community systems, such as schools, hospitals, courts, churches, mental health, social and health care agencies. In addition, the Center has a fellows program in which outstanding faculty and community leaders are named as fellows, adjunct fellows or senior fellows.

The Center offers certificates in the following specialty areas: General Mediation, Divorce Mediation and Home-Based Intervention.

Any student, faculty member or community person interested in family issues is invited to call the director to learn how they can participate or learn more about the Center's activities.

Website: Center for Family Studies

Center for Information Technologies and eBusiness

The Center for Information Technologies and eBusiness (CITe) is a multi-disciplinary center within the College of Business Administration. CITe provides an important resource connecting IT executives with IS faculty and students that will provide educational research and networking

opportunities. CITe was created in 2000 with the mission to teach students and develop faculty in the principles and practices of the related disciplines of Information Technology and electronic business. CITe is made up of an advisory board of Information Technology leaders from the Northeast Ohio region and the College of Business Administration faculty, staff and students. The objectives of CITe are to advance information technology (IT), information systems (IS) and eBusiness (EB) programs, research, best practices and related activities at The University of Akron. Visit the CITe website at www.uakron.edu/cite/ for more information.

Website: Center for Information Technologies and eBusiness

Center for Literacy

The Center for Literacy furthers the mission of both The University of Akron and its College of Education through a variety of programs that support development of expertise and dissemination of knowledge about language learning. The Center brings preservice, inservice and university teachers together with children and families in the greater Akron area through a wide range of literacy related projects. Additional information can be found at www.uakron.edu/education/community-engagement/literacy (https://www.uakron.edu/academics_majors/ub/research-institutes/"<http://www.uakron.edu/education/community-engagement/literacy/>").

Website: Center for Literacy (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Center for Organizational Research

The Center for Organizational Research (COR) is a business research and consulting center managed by the Industrial/Organizational Psychology program at The University of Akron. This program consistently ranks as one of the top ten programs in the nation (according to U.S. News & World Report).

The COR's mission is to provide top quality consultation and research-based interventions to the business community. The COR also serves the purpose of providing professional training and research opportunities for graduate and undergraduate students. The COR is able to provide a tailored approach to the client's needs because of its smaller client base and research orientation. COR offers larger organizations access to solutions based on cutting-edge research from a nationally regarded academic program.

Website: Center for Organizational Research (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Center for Silver Therapeutics Research

The Center for Silver Therapeutics Research is a research consortium composed of UA faculty researchers from many different departments and colleges. The center seeks to advance the use of silver ion-containing compounds for the treatment of a wide range of infections and in the antineoplastic area.

Website: Center for Silver Therapeutics Research (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Center for Statistical Consulting

The mission of the Center for Statistical Consulting in the Department of Statistics is to provide the University community and the community at large with professional assistance in the design and analysis of statistical problems for theses, dissertations and research. The office is located in the Buchtel College of Arts & Sciences Building, Room 118B. When requesting statistical consulting, refer to the Center's website at www.uakron.edu/statistics/about-us/ (https://www.uakron.edu/academics_majors/ub/research-institutes/http://www.uakron.edu/statistics/about-us/), fill out the Request for Statistical Consulting form and email it to the department on the available link. The department will contact you for an appointment.

Website: Center for Statistical Consulting (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Center for the History of Psychology

The Center for the History of Psychology (CHP) cares for, provides access to and interprets the historical record of psychology and related human sciences. The Center includes a museum of psychology that highlights artifacts, documents, films and photographs from the history of the human sciences. It is also the home to the Archives of the History of American Psychology.

The Archives of the History of American Psychology (AHAP) was founded at The University of Akron in 1965. It has grown to become the largest collection of its kind in the world, and is now comprised of a vast collection of artifacts, media and documents, including the personal papers of many important psychologists. The Center reflects the interdisciplinary nature of the Archives, which includes specialists in both psychology and library science.

The CHP opens its doors to scholars, students of all ages and visitors from across the globe that come to see and work with these one-of-a-kind collections.

Website: Center for the History of Psychology (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

English Language Institute

Established in 1979, the English Language Institute (ELI), part of the Buchtel College of Arts & Sciences, offers a program in English as a Second Language (ESL) instruction. The English for Academic Purposes Program provides non-credit ESL courses to international students and nonnative residents who plan to pursue an undergraduate or graduate degree at The University of Akron or another U.S. university. The intensive, 20-hours per week program also serves individuals who wish to improve their English to meet their own professional and/or personal goals.

ELI courses at four levels of English proficiency target language and academic skills needed for successful study at a U.S. university: reading efficiently, writing clearly, taking lecture notes and communicating effectively in English. Students also study grammar and vocabulary and prepare for language proficiency tests to meet the University's English requirement. (The TOEFL, Test of English as a Foreign Language, or the ELI-ASSET, Academic Study Skills and English Test, along with ELI course grades may be used to successfully complete the ELI and begin academic coursework.) In addition to its instructional program, the ELI administers The University of Akron Developed English Proficiency

Test (the U-ADEPT), which assesses the speaking ability of prospective international teaching assistants at UA and determines their readiness to provide classroom-related services in their graduate departments.

The ELI serves as a resource on issues relating to language proficiency for University faculty, staff and students as well as for members of the local community. For more information, visit the ELI website at www.uakron.edu/eli (https://www.uakron.edu/academics_majors/ub/research-institutes/http://www.uakron.edu/eli/), email ua-eli@uakron.edu (https://www.uakron.edu/academics_majors/ub/research-institutes/mailto:ua-eli@uakron.edu) or call 330-972-7544.

Website: English Language Institute (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Experiential Learning Center for Entrepreneurship and Civic Engagement

The EXL Center has one core mission: promoting Experiential Learning for University of Akron students. This core mission has two distinct foci: Academic Civic Engagement and Entrepreneurship*. Our primary goals are: (1) to support, expand, and create new, credit-bearing, experiential learning programs and opportunities for all UA students and (2) to build the Center outward into the community as the primary interface between the university campus and business and non-profit partners that surround it. Achieving these two goals will create a sustainable resource for our students, our faculty, our partners, and our wider community.

Website: Experiential Learning Center for Entrepreneurship and Civic Engagement (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

FirstEnergy Advanced Energy Research Center

The College of Engineering and the Department of Chemical and Biomolecular Engineering serve as the home for The FirstEnergy Advanced Energy Research Center. The University of Akron has created this research center to develop technology to generate efficient electric power with minimal carbon dioxide emissions. Specifically, the center will research and create ways to capture carbon dioxide, which then would be used at fossil-fueled power plants, and to develop coal-based fuel cells for commercial use.

Website: FirstEnergy Advanced Energy Research Center (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Fisher Institute for Professional Selling

Established through a gift from Ronald and Diane Fisher in 1992, the Ronald R. and Diane C. Fisher Institute for Professional Selling has enabled The University of Akron to establish one of only 13 certified, professional sales programs in the world. It is currently number three in the United States and Canada.

The mission of the Fisher Institute of Professional Selling is: to enhance the image of the sales profession and to promote professional selling and sales management as rewarding lifelong careers; to provide world-class,

high-quality excellence in sales education through sales major, minor and certificate programs; to forge strong partnerships with the business community by providing them with top talent and outstanding training and consulting to their sales executives and their business needs; and to conduct research that advances the field of sales.

The sales function generates the revenue that enables the rest of the corporation to operate. Jobs are abundant in the field of sales. Current placement is 100% (compared to 37% in other majors). Visit the website at <http://www.uakron.edu/cba/centers-and-institutes/fisher/index.dot> for more information.

Website: Fisher Institute for Professional Selling (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Gary L. and Karen S. Taylor Institute for Direct Marketing

The Gary L. and Karen S. Taylor Institute for Direct Marketing is the future of direct interactive marketing. With dedicated faculty and staff and a state-of-the-art facility featuring laboratories in telecommunications, TV infomercials, direct response, eMarketing and marketing analytics, the Taylor Institute is able to provide students with leading-edge skills and practical experience.

For more information, call 330-972-7110 or visit www.uakron.edu/cba/taylor (https://www.uakron.edu/academics_majors/ub/research-institutes/http://www.uakron.edu/cba/taylor).

Website: Gary L. and Karen S. Taylor Institute for Direct Marketing (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

H. Kenneth Barker Center for Economic Education

This center exists to improve the economic literacy of individuals to help them function competently as citizens, producers and consumers. It conducts workshops, seminars and economic programs for teachers, students and interested groups. It provides consulting services in the area of economic education and acts as a clearinghouse for the gathering and dissemination of economic education materials and programs. It also fosters an understanding and appreciation of the American economic system.

Website: H. Kenneth Barker Center for Economic Education (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Institute for Biomedical Engineering Research

This institute was established in 1979 to promote interdisciplinary studies in the rapidly growing areas of knowledge, which overlap the fields of biology and medicine, on the one hand, and engineering and the physical sciences, on the other. It conducts seminars, courses and degree programs in biomedical engineering in association with the College of Engineering and individual departments.

In addition to its research and educational functions, the institute provides a research service to local hospitals and industry, as well as to private and government agencies. The premise for this program is that

the combined resources of the University, Northeastern Ohio Universities College of Medicine and affiliated organizations will often permit more cost-effective solutions than would be possible by an individual or group doing the research independently.

The work of the institute is carried out by faculty of the Department of Biomedical Engineering in association with "members" selected from the faculties of The University of Akron and Northeastern Ohio Universities College of Medicine, as well as from the ranks of area physicians, engineers and scientists. The institute and the department occupy the third floor of the Olson Research Center on the north edge of the campus.

Website: Institute for Biomedical Engineering Research (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Institute for Global Business

The University of Akron received special funding from the State of Ohio to expand its offerings of undergraduate and graduate degree programs in international business. Thus, the College of Business Administration created the Institute for Global Business, which coordinates both credit and noncredit programs in international business. The institute also develops short courses and seminars designed to help improve the international competitiveness of business organizations. For more information, call 330-972-6230.

Website: Institute for Global Business (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Institute for Life-Span Development and Gerontology

The Institute for Life-Span Development and Gerontology, founded in 1976, coordinates multidisciplinary credit certificate programs in gerontology at the undergraduate and graduate levels.

The Institute of Life-Span Development and Gerontology has grown into a campus-wide program involving more than 63 faculty in more than 20 different departments, representing six colleges. Students in the certificate programs carry out field placements at numerous community service settings. There are more than 40 courses at the undergraduate and graduate levels. Research, education, training and service support has been received from the U.S. Administration on Aging, National Institute on Aging, U.S. Department of Education, Office of Special Education and Rehabilitation Services, National Institute on Disability and Rehabilitation Research, AARP Andrus Foundation, Ohio Department of Aging and Area Agency on Aging 10B. The Institute also served as a major site for the Rehabilitation Research and Training Center Consortium on Aging and Development Disabilities involving seven universities in six states.

The Institute houses the Tri-County Senior Olympics.

Website: Institute for Life-Span Development and Gerontology (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Institute of Bioscience and Social Research

The Institute of Bioscience and Social Research, housed in the Buchtel College of Arts and Sciences at The University of Akron, is dedicated to the "creation of knowledge and application of research that benefits

humankind." The Institute (formerly known as the Institute of Health and Social Policy) was renamed in June 2011 as part of the initial phase of a redesign of its mission and focus.

Since its opening in 1999, the Institute's staff and researchers have brought in more than \$35 million in grants and contracts. In 2001, IHSP's internationally known researchers received the largest grant in The University of Akron's history to that point—a \$13.7 million dollar grant from The Robert Wood Johnson Foundation.

As the needs of the region as well as those of the University of Akron and its faculty have evolved over this time period, so has the Institute. During 2011-12 the Institute has undergone a number of changes, as reflected in its name change. In keeping with its focus on benefiting humankind, the Institute's commitment is twofold. First, we strive to support UA's expanding research base in the biosciences and social research by providing infrastructure upon which UA researchers can build. In addition, the Institute continues to provide seed funding to researchers to energize the expansion of funded research benefiting society. Second, we are committed to connecting cutting-edge researchers in the biosciences and social sciences with community partners in need of their expertise. The Institute takes pride in the invaluable staff and dedicated researchers who have contributed to its founding and growth, and encourage all those who seek to benefit humankind through the application of research to join us as we build the future of a new, even better, Institute.

Website: Institute of Bioscience and Social Research (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Institute of Polymer Science and Polymer Engineering

The Institute of Polymer Science and Polymer Engineering provides research support and technical service for the graduate research programs in the Department of Polymer Science and the Department of Polymer Engineering. The technical support staff provide instruction and service for students and faculty in laboratories dedicated to electron microscopy (SEM, TEM, EDS, EDX), polymer characterization (SEC, DSC, TGA, light scattering, FTIR, UV-vis, X-ray, AFM, contact angle goniometer), polymer processing (mixing, extrusion, film formation, molding, filament winding, pultrusion-electrospinning), electronics and electrical repair, machining, glassblowing and a variety of analytical and processing equipment. The University of Akron NMR Center maintains a satellite nuclear magnetic resonance laboratory equipped with 500 MHz solid-state and solution spectrometers supervised by a professional staff. The Polymer Blending and Compounding Center for the Applied Polymer Research Center provide contract technical service for industry and government.

Website: Institute of Polymer Science and Polymer Engineering (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Intellectual Property Law and Technology Center

The Intellectual Property Law and Technology Center in the School of Law is one of approximately 14 such centers in the nation. The center exposes the community to critical thinking in the intellectual property law field, coordinates and implements the Law School intellectual property law curriculum and hosts an annual Conference on Intellectual Property Law and Policy. The Center works with other schools within the University

in the design and implementation of interdisciplinary courses relating to intellectual property law. Commencing the fall of 2005, the Center implemented a new Master of Law in Intellectual Property Program.

Website: Intellectual Property Law and Technology Center (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

National Center for Education and Research on Corrosion and Materials Performance

Housed at The University of Akron, the National Center for Education and Research on Corrosion and Materials Performance provides a multi-disciplinary approach to help government and industry develop solutions for corrosion and materials performance challenges, whether they are unique or day-to-day problems.

The Center has a comprehensive set of programs and services in education and workforce training, research and technology development, and outreach and public policy activities.

Website: National Center for Education and Research on Corrosion and Materials Performance (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Nursing Center for Community Health

The Center for Nursing is a part of The University of Akron's College of Nursing. It is an education and practice center for College of Nursing faculty and students as well as faculty and students from other health care disciplines on campus.

The Center for Nursing opened in 1982 as one of the first academic nurse managed centers in the United States. College of Nursing faculty and students provide non-emergency, episodic health care and health education to community residents who do not have health insurance.

Website: Nursing Center for Community Health (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Nutrition Center

The University of Akron Nutrition Center is a comprehensive regional center for the study and delivery of effective nutrition interventions. It provides the needed link between UA nutrition expertise and the extensive preventative health care needs of the campus and our surrounding community. The Center serves as an educational resource for students and the community, provides nutrition services and conducts research in sports nutrition, chronic disease treatment, wellness and disease prevention, nutrition information technology, food safety and sanitation and community nutrition.

Website: Nutrition Center (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Ray C. Bliss Institute of Applied Politics

The Ray C. Bliss Institute of Applied Politics is a public education and research adjunct of Buchtel College of Arts and Sciences. The broad purposes of the institute, in keeping with the career of its namesake, Ray

C. Bliss, are: to give all citizens, and particularly students, an opportunity to learn how to become active and competent in political life; to help maintain a tradition of ethical public service in politics; to foster useful relationships between applied politics and political science; to promote public comprehension of political organizations and the requirements for their effectiveness and to improve understanding of continuity and change in American political institutions.

Website: Ray C. Bliss Institute of Applied Politics (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

The University of Akron Archival Services

The University of Akron Archival Services collects, preserves, and provides access to materials which have lasting historical or other research interest and which relate primarily to the University of Akron or to northeastern Ohio. The archives include two major divisions.

University Archives contains historical materials by and about the University of Akron and its predecessor, Buchtel College, dating back to its founding in 1870 including issues of the yearbook, the student newspaper, bulletins, graduation programs, and office records. Regional history materials include historical records such as personal papers and records of local governments, businesses, labor unions, and civic organizations relating to northeastern Ohio with a focus on Akron and Summit County. Among the regional history collections are those pertaining to the rubber industry, canals, and lighter-than-air-flight. The Archives also houses other special collections including rare books and the B-26 Marauder Archives.

Website: The University of Akron Archival Services (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Training Center for Fire and Hazardous Materials

The Training Center for Fire and Hazardous Materials brings the University, government and industry together into one comprehensive regional center to integrate educational programs, fire and hazardous materials training and other applications of fire and safety technology. The Center is chartered from the Division of EMS and offers all State Certified Classes for firefighter certification. The Center employs 190 certified Emergency Services Instructors to fill any training requirement for municipal and business and industry. The center coordinates seminars and workshops presented by the Federal Emergency Management Agency (FEMA), the National Fire Academy, the Division of State Fire Marshal and other related organizations. Training in all phases of hazardous materials containment and fire prevention and control is provided under contract to various municipalities, industries and agencies. The programs are supported by the faculty of the Fire Protection Technology degree program and the Emergency Management degree program in association with other state and nationally recognized professionals. The Training Center serves a multi-county area, having partnerships with the Medina County Career Center and offering all levels of Fire Classes at the Medina County University Center.

Website: Training Center for Fire and Hazardous Materials (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

University of Akron Magnetic Resonance Center (UA/MRC)

The MRC provides UA students and faculty, and the industrial and external academic scientific community, with access to routine and state-of-the-art magnetic resonance facilities and technical expertise. These capabilities include instruments for solution and solid state NMR, electron paramagnetic resonance, and the expertise of technical staff with experience in using these instruments for problem solving in chemistry, biological sciences, polymer science and engineering. Students and faculty are trained in the use of the instruments and NMR techniques in general through an ongoing educational process. The Center has instruments in The Knight Chemical and Goodyear Polymer buildings.

Website: University of Akron Magnetic Resonance Center (UA/MRC) (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

William and Rita Fitzgerald Institute for Entrepreneurial Studies

In 1995, a generous gift from William and Rita Fitzgerald created the Fitzgerald Institute for Entrepreneurial Studies in the College of Business Administration. The Institute was established to promote the principles of free enterprise and encourage entrepreneurial spirit and practices both within the University's curriculum and throughout the business community.

The Fitzgerald Institute focuses on the development of curriculum appropriate for both new ventures and the entrepreneurial development and growth of existing businesses. The Institute provides the needed link between the University and the community of entrepreneurs critical to business development in the future.

For information, call 330-972-8479.

Website: William and Rita Fitzgerald Institute for Entrepreneurial Studies (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

Workforce Development and Continuing Education

The mission of Workforce Development and Continuing Education is to serve the people of Northeast Ohio by offering courses and programs that increase access to The University of Akron, linking it with community, business and industrial workforce needs.

Workforce Development and Continuing Education at The University of Akron provides a wide range of educational, technical and research services that enhance the effectiveness and quality of workforce learning. In addition, Workforce Development and Continuing Education provides services that require the special expertise of the faculty and staff to better serve the economic and social development of Northeast Ohio. Grant monies may be available to help with costs.

Website: Workforce Development and Continuing Education (https://www.uakron.edu/academics_majors/ub/research-institutes/undefined)

COURSES OF INSTRUCTION

Course Numbering System

Each course at the University has two numbers. One designates the college and department of which it is part; one specifies the subject matter of the particular course. For instance:

3300:220 English Literature

In the above example, the first four digits of the number (3300) indicate the department. In this case, 3300 represents the Department of English. The second set of digits (220) following the colon, indicates exactly which course in the Department of English is being specified. The course number also indicates the level at which the course is being taught and the point at which the student is ready to take the course.

An explanation of the course numbering system follows:

- 100-199 First-year-level courses
- 200-299 Second-year-level courses
- 300-399 Third-year-level courses
- 400-499 Fourth-year-level courses
- 500-699 Master's-level courses
- 600-799 J.D.-level courses
- 700-899 Doctoral-level courses

When approved 400-level undergraduate courses are taken for graduate credit, they are designated as 500-level courses. A student must apply for and be admitted to the Graduate School to receive graduate credit.

NOTE: Courses listed each term contain an additional three-digit number indicating the specific section(s) offered.

Courses of Instruction

- Army ROTC
- Interdisciplinary Programs
- College of Applied Science and Technology
- Buchtel College of Arts and Sciences
- College of Engineering
- College of Education
- College of Business Administration
- College of Health Professions
- College of Polymer Science and Polymer Engineering
- School of Law

ROTC

- Aerospace Studies (1500)
- Military Science (1600)

Interdisciplinary Programs

- University Orientation (1100)
- Home-Based Intervention Therapy (1820)
- Williams Honors College (1870)
- Medical Studies (1880)
- Intercollegiate Programs (1900)

College of Applied Science and Technology

- Cooperative Education (2000)
- Developmental Programs (2010)
- Distinguished Study Program (2015)
- Applied General and Technical Studies English (2020)

- Applied General and Technical Studies Mathematics (2030)
- Applied General and Technical Studies Social Sciences (2040)
- Individualized Study (2100)
- Criminal Justice Technology (2220)
- Fire Protection Technology (2230)
- Emergency Management and Homeland Security (2235)
- Community Services Technology (2260)
- Hospitality Management (2280)
- Paralegal Studies (2290)
- Business Management Technology (2420)
- Real Estate (2430)
- Computer Information Systems (2440)
- Marketing and Sales Technology (2520)
- Office Administration (2540)
- General Technology (2820)
- Corrosion Engineering Technology (2850)
- Electronic Engineering Technology (2860)
- Automated Manufacturing Engineering Technology (2870)
- Manufacturing Engineering Technology (2880)
- Mechanical Engineering Technology (2920)
- Drafting and Computer Drafting Technology (2940)
- Surveying and Mapping (2980)
- Geographic and Land Information Systems (2985)
- Construction Engineering Technology (2990)

Buchtel College of Arts and Sciences

- Early Childhood Development (2200)
- Cooperative Education (3000)
- Women's Studies (3001)
- Pan-African Studies (3002)
- International Development Sciences (3004)
- Institute for Lifespan Development and Gerontology (3006)
- English Language Institute (3030)
- Biology (3100)
- Chemistry (3150)
- Classics (3200)
- Anthropology (3230)
- Archaeology (3240)
- English (3300)
- Geography (3350)
- Geology (3370)
- History (3400)
- Mathematics (3450)
- Computer Science (3460)
- Statistics (3470)
- Modern Languages (3500)
- Arabic (3501)
- Chinese (3502)
- Latin (3510)
- French (3520)
- German (3530)
- Italian (3550)
- Japanese (3560)
- Russian (3570)
- Spanish (3580)
- Philosophy (3600)
- Physics (3650)
- Political Science (3700)
- Psychology (3750)
- Child and Family Development (3760)
- Criminal Justice Studies (3800)

Sociology (3850)
 New Media (7000)
 Art - Myers School of (7100)
 Interior Design (7300)
 Fashion Merchandising (7350)
 Family and Consumer Sciences (7400)
 Music - School of (7500)
 Music Organizations (7510)
 Applied Music (7520)
 Communication - School of (7600)
 Theatre (7800)
 Theatre Organizations (7810)
 Dance (7900)
 Dance Organizations (7910)
 Dance Somatics (7915)
 Dance Performance (7920)

Notes:

Biology/N.E.O.U.C.O.M (3100) - Graduate-level courses only. See Graduate Bulletin
 Engineering Applied (3490) - Graduate-level courses only. See Graduate Bulletin
 Engineering Applied (3980) - Graduate-level courses only. See Graduate Bulletin
 Arts Administration (7850) - Graduate-level courses only. See Graduate Bulletin

College of Engineering

General Engineering (4100)
 Chemical Engineering (4200)
 Corrosion Engineering (4250)
 Civil Engineering (4300)
 Electrical Engineering (4400)
 Computer Engineering (4450)
 Mechanical Engineering (4600)
 Mechanical Polymer Engineering (4700)
 Biomedical Engineering (4800)
 Aerospace Systems Engineering (4900)

College of Education

Cooperative Education (5000)
 Educational Foundations (5100)
 Early Childhood Education (5200)
 Middle Level Education (5250)
 Secondary Education (5300)
 Teaching and Training Technical Professionals (5400)
 Curriculum & Instruction (5500)
 Educational Guidance and Counseling (5600)
 Special Education (5610)
 School Psychology (5620)
 Special Education Programs (5800)

Notes:

Instructional Technology (5150) - Graduate-level courses only. See Graduate Bulletin.
 Educational Administration (K-12) (5170) - Graduate-level courses only. See Graduate Bulletin.
 Educational Administration (Higher Education) (5190) - Graduate-level courses only. See Graduate Bulletin.

College of Business Administration

Economics (3250)
 Cooperative Education (6000)
 General Business (6100)
 Accountancy (6200)
 Entrepreneurship (6300)
 Finance (6400)
 Management (6500)
 Marketing (6600)
 International Business (6800)

Notes:

Professional (6700) - Graduate-level courses only. See Graduate Bulletin.

College of Health Professionals

Medical Assisting (2740)
 Radiologic Technology (2760)
 Surgical Technology (2770)
 Allied Health (2780)
 Respiratory Therapy (2790)
 General Education (5540)
 Physical Education (5550)
 Outdoor Education (5560)
 Health Education (5570)
 Speech-Language Pathology and Audiology (7700)
 Social Work (7750)
 Nutrition and Dietetics (7760)
 Cooperative Education (8000)
 Nursing (8200)

Notes:

Master of Public Health (8300) - Graduate-level courses only. See Graduate Bulletin.

College of Polymer Science and Polymer Engineering

Polymer Science and Polymer Engineering (9821)
 Polymer Engineering (9841)
 Polymer Science (9871)

School of Law

Notes:

Graduate-level courses only. See Graduate Bulletin

Courses of Instruction

Army ROTC
 Interdisciplinary Programs
 College of Applied Science and Technology
 Buchtel College of Arts and Sciences
 College of Engineering
 College of Education
 College of Business Administration
 College of Health Professions
 College of Polymer Science and Polymer Engineering
 School of Law

ROTC

Aerospace Studies (1500)
Military Science (1600)

Interdisciplinary Programs

University Orientation (1100)
Home-Based Intervention Therapy (1820)
Williams Honors College (1870)
Medical Studies (1880)
Intercollegiate Programs (1900)

College of Applied Science and Technology

Cooperative Education (2000)
Developmental Programs (2010)
Distinguished Study Program (2015)
Applied General and Technical Studies English (2020)
Applied General and Technical Studies Mathematics (2030)
Applied General and Technical Studies Social Sciences (2040)
Individualized Study (2100)
Criminal Justice Technology (2220)
Fire Protection Technology (2230)
Emergency Management and Homeland Security (2235)
Community Services Technology (2260)
Hospitality Management (2280)
Paralegal Studies (2290)
Business Management Technology (2420)
Real Estate (2430)
Computer Information Systems (2440)
Marketing and Sales Technology (2520)
Office Administration (2540)
General Technology (2820)
Corrosion Engineering Technology (2850)
Electronic Engineering Technology (2860)
Automated Manufacturing Engineering Technology (2870)
Manufacturing Engineering Technology (2880)
Mechanical Engineering Technology (2920)
Drafting and Computer Drafting Technology (2940)
Surveying and Mapping (2980)
Geographic and Land Information Systems (2985)
Construction Engineering Technology (2990)

Buchtel College of Arts and Sciences

Early Childhood Development (2200)
Cooperative Education (3000)
Women's Studies (3001)
Pan-African Studies (3002)
International Development Sciences (3004)
Institute for Lifespan Development and Gerontology (3006)
English Language Institute (3030)
Biology (3100)
Chemistry (3150)
Classics (3200)
Anthropology (3230)
Archaeology (3240)
English (3300)
Geography (3350)
Geology (3370)
History (3400)
Mathematics (3450)
Computer Science (3460)
Statistics (3470)

Modern Languages (3500)
Arabic (3501)
Chinese (3502)
Latin (3510)
French (3520)
German (3530)
Italian (3550)
Japanese (3560)
Russian (3570)
Spanish (3580)
Philosophy (3600)
Physics (3650)
Political Science (3700)
Psychology (3750)
Child and Family Development (3760)
Criminal Justice Studies (3800)
Sociology (3850)
New Media (7000)
Art - Myers School of (7100)
Interior Design (7300)
Fashion Merchandising (7350)
Family and Consumer Sciences (7400)
Music - School of (7500)
Music Organizations (7510)
Applied Music (7520)
Communication - School of (7600)
Theatre (7800)
Theatre Organizations (7810)
Dance (7900)
Dance Organizations (7910)
Dance Somatics (7915)
Dance Performance (7920)

Notes:

Biology/N.E.O.U.C.O.M (3100) - Graduate-level courses only. See Graduate Bulletin
Engineering Applied (3490) - Graduate-level courses only. See Graduate Bulletin
Engineering Applied (3980) - Graduate-level courses only. See Graduate Bulletin
Arts Administration (7850) - Graduate-level courses only. See Graduate Bulletin

College of Engineering

General Engineering (4100)
Chemical Engineering (4200)
Corrosion Engineering (4250)
Civil Engineering (4300)
Electrical Engineering (4400)
Computer Engineering (4450)
Mechanical Engineering (4600)
Mechanical Polymer Engineering (4700)
Biomedical Engineering (4800)
Aerospace Systems Engineering (4900)

College of Education

Cooperative Education (5000)
Educational Foundations (5100)
Early Childhood Education (5200)
Middle Level Education (5250)

Secondary Education (5300)
 Teaching and Training Technical Professionals (5400)
 Curriculum & Instruction (5500)
 Educational Guidance and Counseling (5600)
 Special Education (5610)
 School Psychology (5620)
 Special Education Programs (5800)

Graduate-level courses only. See Graduate Bulletin

Notes:

Instructional Technology (5150) - Graduate-level courses only. See Graduate Bulletin.
 Educational Administration (K-12) (5170) - Graduate-level courses only. See Graduate Bulletin.
 Educational Administration (Higher Education) (5190) - Graduate-level courses only. See Graduate Bulletin.

College of Business Administration

Economics (3250)
 Cooperative Education (6000)
 General Business (6100)
 Accountancy (6200)
 Entrepreneurship (6300)
 Finance (6400)
 Management (6500)
 Marketing (6600)
 International Business (6800)

Notes:

Professional (6700) - Graduate-level courses only. See Graduate Bulletin.

College of Health Professionals

Medical Assisting (2740)
 Radiologic Technology (2760)
 Surgical Technology (2770)
 Allied Health (2780)
 Respiratory Therapy (2790)
 General Education (5540)
 Physical Education (5550)
 Outdoor Education (5560)
 Health Education (5570)
 Speech-Language Pathology and Audiology (7700)
 Social Work (7750)
 Nutrition and Dietetics (7760)
 Cooperative Education (8000)
 Nursing (8200)

Notes:

Master of Public Health (8300) - Graduate-level courses only. See Graduate Bulletin.

College of Polymer Science and Polymer Engineering

Polymer Science and Polymer Engineering (9821)
 Polymer Engineering (9841)
 Polymer Science (9871)

School of Law

Notes:

113	THE FDTN OF THE US AIR FORCE I	1 credits
	Survey course introducing the U.S. Air Force and ROTC. Officership and military customs and courtesies are discussed. Foundations of Air Force communication are covered.	
114	THE FDTN OF THE US AIRFORCE II	1 credits
	Survey course covering the origin and organization of the Air Force. Selected topics contributing to an understanding of the Air Force are covered.	
115	LEADERSHIP LABORATORY	1 credits
	Prepares an individual to undertake a broad range of technical tasks. Optional for academic credit; Mandatory for Air Force ROTC credit for scholarship/commissioning.	
253	EVOL OF US AIRFRC AIR&SPCPOW I	1 credits
	Survey course examining air and space power from an historical perspective. Course covers early flight and World War I to the Korean War and ICBMS.	
254	EVOL OF US AIRFRCAIR&SPCPOW II	1 credits
	Survey course examining air and space power from the Vietnam War to the Gulf War plus a look at the Air Force of the future.	
255	LEADERSHIP LABORATORY	1 credits
	Prepares an individual to undertake a broad range of technical tasks. Optional for academic credit; Mandatory for Air Force ROTC credit for scholarship/commissioning.	
303	LEADERSHIP STUDIES I	3 credits
	Prerequisite: permission of instructor. Study of leadership, professional knowledge and communication skills required for an Air Force officer. The roles of a leader as supervisor and counselor are discussed.	
304	LEADERSHIP STUDIES II	3 credits
	Prerequisite: permission of instructor. Study of quality management fundamentals and communication skills for the Air Force officer. The Air Force personnel evaluation system and military ethics are discussed.	
305	LEADERSHIP LABORATORY	1 credits
	Prepares an individual to undertake a broad range of technical tasks. Optional for academic credit; Mandatory for Air Force ROTC credit for scholarship/commissioning.	
453	DEFENSE STUDIES I	3 credits
	Prerequisite: permission of instructor. Examines political, economic and social constraints on national security and defense structure. The role of the military, including joint operations and regional defense, are discussed.	
454	DEFENSE STUDIES II	3 credits
	Prerequisite: permission of instructor. Roles of the military, regional defense, current Air Force issues, and other topics relevant to preparing an Air Force officer for active duty are covered.	
455	LEADERSHIP LABORATORY	1 credits
	Prepares an individual to undertake a broad range of technical tasks. Optional for academic credit; Mandatory for Air Force ROTC credit for scholarship/commissioning.	

100	INTRO ARMY & CRITICAL THINKING	1 credits
	Study of the mission of the Army, the principles of basic military leadership and management, land navigation, and opportunities in the Army. A geographical and cultural examination of the countries where U.S. soldiers are located. Leadership laboratory required. No military obligation incurred.	
102	INTRO: PROFESSION OF ARMS	1 credits
	Study of the principles and techniques of military leadership and human resource management. Introduction to drill and ceremony, small unit tactics, briefing techniques, and public speaking. Leadership laboratory required. No military obligation incurred.	
110	LEADERSHIP & PERSONAL DEV LAB	1 credits
	Students will participate in labs as a member of a cadet squad, learning to work with new people and gaining confidence through engaging in new and challenging situations that reinforce classroom instruction.	
111	INTRO: TACTICAL LEADERSHIP LAB	1 credits
	Students will participate in labs as a member of a cadet squad, learning to work with new people and gaining confidence through engaging in new and challenging situations that reinforce classroom instruction. This Laboratory session will focus more on tactical training.	
200	INNOVATIVE TEAM LEADERSHIP	2 credits
	Study of the principles of war and the art of leadership. Basic military skills taught through practical applications in marksmanship, map reading, first aid, and drill and ceremony. Leadership laboratory required. No military obligation incurred.	
201	FOUNDATIONS OF TACTICAL LDRSHP	2 credits
	Study and application of the Leadership Development Program (LDP). Introduction to tactics, patrolling, and basic military skills. Leadership laboratory required. No military obligation incurred.	
210	INNOVATIVE TEAM LEADERSHIP LAB	1 credits
	In their second year of military Science, students will begin to have a bigger leadership role within the ROTC organization and will participate in labs as a team leader. They will be responsible for the readiness and accountability of the first year cadets and are expected to begin to show confidence in leading others.	
211	FOUNDTS OF TACTICAL LDRSHP LAB	1 credits
	Students will have a bigger leadership role within the ROTC organization and will participate in labs as a team leader. They will be responsible for the readiness and accountability of the first year cadets and are expected to begin to show confidence in leading others and in conducting tactical exercises.	
300	ADAPTIVE TEAM LEADERSHIP	3 credits
	Prerequisites: 100, 101, 200, 201 and/or permission. Study in the application of military tactics, military history, military briefing techniques and equipment. Practical work with operations orders and planning, organizing, and executing training. Leadership laboratory required.	
301	LEADERSHIP UNDER FIRE	3 credits
	Prerequisite: 300 or permission. Study of leadership, leadership counseling and tactics at the small-unit level. Practical work with land navigation, marksmanship training, squad and platoon movement, and battlefield survival. Leadership laboratory required.	
310	ADAPTIVE TEAM LEADERSHIP LAB	1 credits
	Prerequisite: 211. Corequisite: 300. In their third year, as students enter the ROTC Advanced course, students will take on a much larger leadership role; responsible for squads and platoons of cadets as well as training them on the subject matter of each lab. They learn to motivate, instill confidence, and take responsibility for the quality of the training and activities of the labs.	
311	LEADERSHIP UNDER FIRE LAB	1 credits
	Prerequisite: 310. Corequisite: 301. In their third year, as students enter the ROTC Advanced course, students will take on a much larger leadership role; responsible for squads and platoons of cadets as well as training them on the subject matter of each lab. They learn to motivate, instill confidence, and take responsibility for the quality of the training and activities of the labs.	
400	DEVELOPING ADAPTIVE LEADERS	3 credits
	Prerequisites: 300, 301, or permission. Intensive investigation of the leadership process to include applicatory work emphasizing officer ethics, duties, and responsibilities. Management and supervisory skills. Practical experience with the Leadership Development Program (LDP). Leadership laboratory required.	
401	LEADERSHIP IN A COMPLEX WORLD	3 credits

Prerequisites: 300, 301, or permission. Study of officer leadership and managerial responsibilities. Study of Army command organization and procedures, training management, personnel system, Uniform Code of Military Justice, and continued emphasis on counseling and human relations. Leadership laboratory required.

410 DEVELOPING ADAPTIVE LEADERS LAB 1 credits

Prerequisite: 311. Corequisite: 400. Senior ROTC students are responsible for planning, managing, and supervising leadership labs for the entire cadet Battalion, as well as acquiring the necessary resources and equipment required for training

411 LEADERSHIP IN A COMPLEX WORLD LAB 1 credits

Prerequisite: 410. Corequisite: 401. Senior ROTC students are responsible for planning, managing, and supervising leadership labs for the entire cadet Battalion, as well as acquiring the necessary resources and equipment required for training. They will later utilize the experience gained in leading cadets to aid them in leading United States Army Soldiers.

490 ST: MILITARY SCIENCE 1-3 credits

Prerequisite: permission. (May be repeated for a maximum of six credits) Content varies with special topics. Texts to be selected according to topic and will use relevant library periodicals and journals. Existing library resources are adequate to support the course. Basic Camp, Advanced Camp, Airborne, and other specialty schools qualify for course credit.

99	INDEPENDENT EDUCATION ABROAD	0 credits
	Academic study at an unaffiliated institution outside the continental United States.	
100	UA EDUCATION ABROAD	0 credits
	Academic study at an affiliated institution outside the continental United States.	
101	THE AKRON EXP: UNIVERSITY 101	2 credits
	Acquisition of the skills, techniques, information, and strategies necessary to aid new students in their transition from high school or work to the college environment. Delivered in face-to-face format and fully online format.	
102	TUTOR TRAINING I	1 credits
	Prerequisite: Permission from coordinator of tutorial programs based on GPA, letter or recommendation, and interview. Corequisite: Tutoring practicum of 25 hours. Training of peer tutors in several academic areas with topics to meet requirements of the College Reading and Learning Association.	
103	TUTOR TRAINING II	1 credits
	Prerequisite: 102. Summative training of peer tutors emphasizing assertiveness training, leadership skills, administering and interpreting a learning styles inventory, and structuring a learning experience.	
104	TUTOR TRAINING III	1 credits
	Prerequisite: 102. Summative training of peer tutors emphasizing assertiveness training, leadership skills, administering and interpreting a learning styles inventory, and structuring a learning experience.	
110	INFO TOOLS FOR ACADEMIC SUCCESS	1 credits
	Information Tools for Academic Success will allow a student to bring a real world problem or academic assignment to class to use as the framework upon which to build a repertoire of information skills. This class is a project-oriented, process-based course in which the students will: Identify and articulate an information need as it relates to a problem or assignment; effectively and efficiently access appropriate information using a variety of resources; critically evaluate the information; incorporate the information into their existing knowledge base; use the information appropriately and effectively to accomplish an explicit purpose; understand the legal, social, and economic aspects of information ultimately accessing and using information in an ethical manner.	
117	CAREER PLANNING	2 credits
	Learners develop the skills necessary to make effective educational and career decisions. Emphasis upon self-understanding, career exploration, career planning, and decision making. Delivered in face-to-face format and fully online format.	
150	RESIDENT ASSISTANT SKILLS	2 credits
	This course is designated for Resident Assistants upon their hire to the Department of Residence Life and Housing. Leadership development and management skills are the core material.	
191	ST: GENERAL EDUCATION	1-4 credits
	Special Topics in General Education.	
205	LEADERSHIP PRINCIPLES & PRACTICES	2 credits
	This course is about being a leader and about leadership. Students will learn leadership principles through case studies and self-assessment with a goal of developing effective leadership skills and abilities. Students complete the course better prepared to lead across a broad spectrum of responsibilities by possessing and communicating an organized perspective of leadership.	

403 HBI THEORY 3 credits

Prerequisite: Admission to the Certificate Program. Overview of home based intervention to include philosophy and description of this programming as well as assessment of family, their home and community environment.

404 HBI TECHNIQUES & PRACTICE 3 credits

Prerequisite: 403. Provides intervention techniques and skill areas required for home-based intervention and learning opportunities for matching techniques with specific family problems.

405 HBI INTERNSHIP 3-5 credits

Prerequisite: 404. Gives students the opportunity to apply knowledge of home-based intervention in actual delivery process working with families in their homes under direct supervision of trained, experienced home based intervention therapists.

250	HONORS COLLOQUIUM: HUMANITIES	2 credits
	Prerequisite: admission to Williams Honors College. Interdisciplinary colloquium on important issues in humanities.	
260	HONORS COLLOQ: SOCIAL SCIENCE	2 credits
	Prerequisite: admission to Williams Honors College. Interdisciplinary colloquium on important issues in social sciences.	
270	HONORS COLLOQ: NATURAL SCIENCE	2 credits
	Prerequisite: admission to Williams Honors College. Interdisciplinary colloquium on important issues in natural sciences.	
350	HONORS COLLOQ: HUMANITIES	2 credits
	Prerequisite: admission to Williams Honors College. Interdisciplinary colloquium on important issues in humanities.	
360	HONORS COLLOQ: SOCIAL SCIENCE	2 credits
	Prerequisite: admission to Williams Honors College. Interdisciplinary colloquium on important issues in social sciences.	
370	HONORS COLLOQ: NATURAL SCIENCE	2 credits
	Prerequisite: admission to Williams Honors College. Interdisciplinary colloquium on important issues in natural sciences.	
450	HONORS COLLOQUIUM: HUMANITIES	2 credits
	Prerequisite: admission to Williams Honors College. Interdisciplinary colloquium on important issues in humanities.	
460	HONORS COLLOQ: SOCIAL SCIENCE	2 credits
	Prerequisite: admission to Williams Honors College. Interdisciplinary colloquium on important issues in social sciences.	
470	HONORS COLLOQ: NATURAL SCI	2 credits
	Prerequisite: admission to Williams Honors College. Interdisciplinary colloquium on important issues in natural sciences.	

201 MEDICAL SEMINAR & PRACTICUM I

3 credits

Prerequisites: 3100:191. Provides field experiences in health-care delivery in geographic area served by Northeastern Ohio Universities College of Medicine and The University of Akron. Student directed in supervised roles of professional and paraprofessional in meeting health-care needs of community. Open to first-year student in Phase 1 of B.S./M.D. program.

301 FOUND. OF MUSEUMS/ARCHIVES I

3 credits

This course provides students with a basic set of skills that prepares them for work in the museum and archives professions. Topics covered include the role of museums and archives, handling and preservation, museum exhibit design and assessment, organizing and describing materials, policies and procedures, the relations, education and assessment, the research purposes museums and archives, and cultural considerations.

302 FOUND. OF MUSEUMS/ARCHIVES II

3 credits

Prerequisite: 1900:301. Provides basic skills for working in museum and archives professions.

99	INDEPENDENT EDUCATION ABROAD	0 credits
	Academic study at an unaffiliated institution outside the continental United States.	
100	UA EDUCATION ABROAD	0 credits
	Academic study at an affiliated institution outside the continental United States.	
101	THE AKRON EXP: UNIVERSITY 101	2 credits
	Acquisition of the skills, techniques, information, and strategies necessary to aid new students in their transition from high school or work to the college environment. Delivered in face-to-face format and fully online format.	
102	TUTOR TRAINING I	1 credits
	Prerequisite: Permission from coordinator of tutorial programs based on GPA, letter or recommendation, and interview. Corequisite: Tutoring practicum of 25 hours. Training of peer tutors in several academic areas with topics to meet requirements of the College Reading and Learning Association.	
103	TUTOR TRAINING II	1 credits
	Prerequisite: 102. Summative training of peer tutors emphasizing assertiveness training, leadership skills, administering and interpreting a learning styles inventory, and structuring a learning experience.	
104	TUTOR TRAINING III	1 credits
	Prerequisite: 102. Summative training of peer tutors emphasizing assertiveness training, leadership skills, administering and interpreting a learning styles inventory, and structuring a learning experience.	
110	INFO TOOLS FOR ACADEMIC SUCCESS	1 credits
	Information Tools for Academic Success will allow a student to bring a real world problem or academic assignment to class to use as the framework upon which to build a repertoire of information skills. This class is a project-oriented, process-based course in which the students will: Identify and articulate an information need as it relates to a problem or assignment; effectively and efficiently access appropriate information using a variety of resources; critically evaluate the information; incorporate the information into their existing knowledge base; use the information appropriately and effectively to accomplish an explicit purpose; understand the legal, social, and economic aspects of information ultimately accessing and using information in an ethical manner.	
117	CAREER PLANNING	2 credits
	Learners develop the skills necessary to make effective educational and career decisions. Emphasis upon self-understanding, career exploration, career planning, and decision making. Delivered in face-to-face format and fully online format.	
150	RESIDENT ASSISTANT SKILLS	2 credits
	This course is designated for Resident Assistants upon their hire to the Department of Residence Life and Housing. Leadership development and management skills are the core material.	
191	ST: GENERAL EDUCATION	1-4 credits
	Special Topics in General Education.	
205	LEADERSHIP PRINCIPLES & PRACTICES	2 credits
	This course is about being a leader and about leadership. Students will learn leadership principles through case studies and self-assessment with a goal of developing effective leadership skills and abilities. Students complete the course better prepared to lead across a broad spectrum of responsibilities by possessing and communicating an organized perspective of leadership.	

201 COOPERATIVE EDUCATION

0 credits

(May be repeated) Prerequisite: cooperative education students only. Work experience in business, industry or governmental agency. Comprehensive performance evaluation and written report required.

301 COOPERATIVE EDUCATION

0 credits

(May be repeated) Prerequisite: cooperative education students only. Work experience in business, industry or governmental agency. Comprehensive performance evaluation and written report required.

42	BASIC WRITING	0 load hours**
	Provides intensive practice in the process of writing, in sentence structure and punctuation, and in correct written expression. Upon successful completion of Basic Writing, the student should be prepared to enter English (2020:121), or English Composition I (3300:111). Writing Lab hours are required.	
50	BASIC MATHEMATICS I	0 load hours**
	Prerequisite: Placement. An intensive review of arithmetic and an introduction to the concepts of elementary algebra. Emphasis is placed on developing learning strategies and controlling anxieties. Upon successful completion of Basic Mathematics I, the student should be prepared to enter Basic Mathematics II.	
52	BASIC MATHEMATICS II	0 load hours**
	Prerequisite: Completion of 2010:050 (formerly 1020:050) with a grade of C or better or Placement. A brief review of arithmetic and intensive instruction in elementary algebra. Emphasis is placed on developing learning strategies and controlling anxieties. Upon successful completion of Basic Mathematics II, the student should be prepared to enter Business Mathematics (2420:170); Introduction to Technical Math (2020:130); Elements of Math I (2030:151); or Preparatory Math (3450:100).	
54	BASIC MATHEMATICS II SUPPORTED	0 credits
	Prerequisites: 2010:050 and approval from Developmental Programs. See Basic Mathematics II (2010:052). Double length class period allows supplemental instruction and assistance in beginning algebra. Emphasis on developing learning strategies and controlling anxieties. Upon successful completion of Basic Mathematics II Supported, the student should be prepared to enroll in 2010:85 or 2420:170 or 2030:130 2030:151 or 2030:161 or 3450:100 or 3470:250 or 3450:135.	
56	BASIC MATH II EXTENDED -PART A	0 credits
	Prerequisite: 2010:050 and approval from Office of Accessibility. First half of a slower paced two-semester version of Basic Mathematics II (2010:052). Introduces elementary algebra, linear equations, polynomials, graphing, slope.	
57	BASIC MATH II EXTENDED -PART B	0 credits
	Prerequisite: 2010:056 (Part A). Second half of a slower paced two-semester version of Basic Mathematics II (2010:052) covering factoring, rational expressions, radicals, and quadratic equations.	
60	COLLEGE READING	0 load hours**
	Prerequisite: Placement. Designed to strengthen the basic comprehension skills needed for academic work, including recognition of main points and key supporting ideas, inferencing, summarizing, and vocabulary development. Upon satisfactory completion of College Reading, the student should be prepared to enter College Reading and Study Skills (1020:062). Lab hours are required.	
62	COLLEGE READING & STUDY SKILLS	0 load hours**
	Prerequisite: College Reading (1020:060) or placement. Continued practice of comprehension strategies with emphasis on textbook reading, and implementation of effective study strategies such as note-taking, test-taking, and memory techniques. Upon successful completion of College Reading and Study Skills, the student should be prepared to apply reading and study strategies in college classes. Lab hours are required.	
64	APPL STDY STRAT:	0 load hours**
	Corequisite: Selected General Education Courses taken concurrently. Designed to help students apply various study strategies to a specific course, such as psychology, sociology and others. Includes lecture and textbook analysis, memory techniques, and test-taking strategies. Lab hours are required.	
71	DEVELOPMENTAL CHEMISTRY	0 load hours**
	Prerequisite: 2010:052 or 057 or equivalent with a grade of C or better. A mathematics review applied to chemistry and intensive instruction in principles of general chemistry. Emphasis is placed on developing learning strategies and controlling anxieties.	
81	FUNDAMENTAL MATH I	0 credits
	Prerequisite: Placement by Academic Advisor. An intensive review of arithmetic with an emphasis on learning strategies and controlling anxieties. Upon successful completion of Fundamental Mathematics I, the student should be prepared to enroll in Fundamental Math II. **Load hours do not carry academic credit toward a degree program, but do count in computing a student's course load for financial aid or student employment, and are used in probation and dismissal decisions.**	
82	FUNDAMENTAL MATH II	0 credits
	Prerequisites: Placement by academic advisor or 2010:81. Upon successful completion of Fundamental Mathematics II, the student should be prepared to enroll in Fundamental Math III. **Load hours do not carry academic credit toward a degree program, but do count in computing a student's course load for financial aid or student employment, and are used in probation and dismissal decisions.**	
83	FUNDAMENTAL MATHEMATICS III	0 credits

Prerequisites: Placement by academic advisor or 2010:82. Upon successful completion of Fundamental Mathematics III, the student should be prepared to enroll in Fundamental Math IV. **Load hours do not carry academic credit toward a degree program, but do count in computing a student's course load for financial aid or student employment, and are used in probation and dismissal decisions.**

84 FUNDAMENTAL MATHEMATICS IV

0 credits

"Prerequisites: Placement by academic advisor or 2010:83. Upon successful completion of Fundamental Mathematics IV, the student should be prepared to enroll in 2010:85 or 2420:170 or 2030:130 2030:151 or 2030:161 or 3450:100 or 3470:250 or 3450:135. **Load hours do not carry academic credit toward a degree program, but do count in computing a student's course load for financial aid or student employment, and are used in probation and dismissal decisions.**"

85 FUNDAMENTALS OF MATHEMATICS V

0 credits

"Prerequisites: Placement or successful completion of one of the following: 2010:52, 2010:54, 2010:57, 2010:84.

Introduction in elementary algebra including factoring, functions, graphing, roots and radicals. Upon successful completion of Fundamental Mathematics V, the student should be prepared to enroll in Algebra for Calculus. **Load hours do not carry academic credit towards a degree program but do count in computing a student's course load for financial aid or student employment, and are used in probation and dismissal decisions.**"

99 ST: DEVELOPMENTAL PROGRAMS

0 load hours**

Instruction in one or more of the following basic skills: writing, reading, mathematics, and study skills. A combination of these skills may be presented with an overall theme such as writing, reading and technology. See the current Schedule of Classes for course offerings.

150 DISTINGSHED STUDENT COLLOQ 2 credits

See department for course description.

120	WRITING AND EDITING	1 credits
	Examination of the editing process of writing. Focuses on developing a clear, effective, and correct professional writing style appropriate for academic and business documents.	
121	ENGLISH	3 credits
	English composition focused on inventive writing, essay structure, process, consideration of strength, source of evidence, and citation; and development options leading to persuasion and argument.	
123	WRITING FOR PRESENTATIONS	1 credits
	A writing intensive course that focuses on the rhetorical and theoretical challenges and considerations of effective presentations.	
216	COLLABORATIVE WRITING	1 credits
	Prerequisites: 3300:111 or 2020:121 or equivalent. A writing course that focuses on strategies and techniques for successful collaborative writing in the workplace.	
220	WRITING AND RESEARCH	1 credits
	Prerequisite: 121 or 3300:111 or equivalent. Practical examination of writing effectively and professionally about primary and secondary research sources in the student's choice of several citation methods.	
222	TECHNICAL REPORT WRITING	3 credits
	Prerequisite: 2020:121 or 3300:110 or 3300:111 or equivalent. Prepares students to write the types of reports most often required of technicians, engineers, and scientists. Includes types of reports, memoranda, and letters; techniques of research, documentation and oral presentations.	
224	WRITING FOR ADVERTISING	3 credits
	Prerequisite: 2020:121, 3300:111 or equivalent. Introduction to the copywriter's role in print, broadcast, and Web advertising. Study of advertising language; practice in writing advertisements and producing collateral copywriting materials.	
226	ELCTR N REF RES COMPUTER AGE	3 credits
	Prerequisites: 2020:121 or 3300:111. Designed for individuals to broaden their scope and understanding of various electronic research techniques. Study, evaluation, and use of current and emerging technologies will be examined.	
227	WRITING FOR WORLD WIDE WEB	3 credits
	Prerequisites: 121 or equivalent (3300:111), familiarity with Internet (or attend Computer Center training seminar) knowledge of word processing software. Introductory course examines spoken and written contexts merging into one writing space; provides writing theory and practice for effective e-mail, newsgroup, chat, and web site writing.	
290	ST: ASSOCIATE STUDIES	1-4 credits
	(May be repeated with a change in topic) Prerequisite: permission. Selected topics on subject areas of interest in associate studies.	
325	SIGNS OF PROFESSIONAL WRITING	1 credits
	Prerequisite: 2020:121, 3300:111, or equivalent. Practical examination of concrete and abstract indicators that lead readers to judge the professional quality of a written text beyond its meaning and correctness.	

130	MATH FOR ALLIED HEALTH	3 credits
Prerequisite: Placement test or completion of 2010:052, 054, 057, or 084 with a grade of C or better. The real number system, systems of measurement, conversions, linear equations, factoring, quadratic equations, graphing, linear systems, organizing data, averages, standard deviation, the normal distribution.		
151	TECHNICAL MATHEMATICS I	2 credits
Prerequisite: Placement test or completion of 2010:052, 054, 057 or 084 with a grade of C or better. Fundamental concepts and operations, functions, graphs, factoring and algebraic fractions, and quadratic equations.		
152	TECHNICAL MATHEMATICS II	2 credits
Prerequisite: 2030:151 with a grade of C- or better, or placement test. Variation, equations of lines, Cramer's rule, right triangle trigonometry, oblique triangles, complex numbers.		
153	TECHNICAL MATHEMATICS III	2 credits
Prerequisite: 152 or equivalent with a grade of C- or better, or placement test. Factoring, algebraic fractions, exponents and radicals, equations with radicals, equations in quadratic form, functions, their properties and graphs, exponential and logarithmic functions, radian measure.		
154	TECHNICAL MATHEMATICS IV	3 credits
Prerequisite: 153 or equivalent with a grade of C- or better, or placement test. Functions and their graphs, polynomial and rational functions, polynomial equations, graphs of trigonometric functions, trigonometric identities and equations, analytic geometry, complex numbers in polar form.		
161	MATH FOR MODERN TECHNOLOGY	4 credits
Prerequisite: Placement test or completion of 2010:052, 054, 057, or 084 with a grade of C or better. Lines, linear regression, sets, counting, basic probability, basic statistics, binomial and normal distributions, mathematics of finance, symbolic logic, arguments, logic circuits.		
216	APPLIED FINITE MATHEMATICS	3 credits
Prerequisite: 2030:153 with a grade of C- or better, or placement test. Number systems, integer rings, finite fields, number theory algorithms, prime numbers and primary tests, factoring, and random number.		
255	TECHNICAL CALCULUS I	3 credits
Prerequisite: 154 or equivalent with a grade of C- or better, or placement test. The derivative, applications of the derivative, derivatives of the trigonometric, logarithmic and exponential functions. Integration by antidifferentiation.		
260	ADVANCED TRIGONOMETRY	2 credits
Prerequisite: 2030:153 or equivalent with a grade of C- or better, or placement test. Horizontal circular curves, vertical curves, and spherical triangles.		
290	ST: ASSOC STUDIES MATH	1-4 credits
(May be repeated with a change in topic) Prerequisite: permission. Selected topics on subject areas of interest in associate studies.		
345	TECHNICAL DATA ANALYSIS	2 credits
Prerequisite: 2030:154 or equivalent with a grade of C- or better, or placement test. Data summarization including graphic representation, numerical measures, introduction to probability, confidence intervals and hypothesis testing.		
356	TECHNICAL CALCULUS II	3 credits
Prerequisite: 2030:255 or equivalent with a grade of C- or better, or placement test. Methods and applications of integration, first and second order differential equations and applications, series expansion, Laplace transform, partial derivatives, and double integrals.		
361	APPLIED CRYPTOGRAPHY	3 credits
Prerequisite: A grade of C- or better in either 2030:154 or 2030:216. Symmetric cryptography, modular arithmetic, stream and block ciphers, random numbers, Advanced Encryption Standard, public-key cryptography, key exchange, digital signatures, hash functions, message authentication.		
461	APPLIED CRYPTANALYSIS	3 credits
Prerequisite: 2030:361 with a grade of C- or better. Cryptanalysis concepts; cryptanalysis of symmetric and public key cryptosystems, key exchange systems, and digital signatures; hash function collision resistance; cryptanalysis with quantum computer.		
480	ADV T: TECHNICAL MATHEMATICS	2 credits
Prerequisite: 2030:255 or equivalent with a grade of C- or better, or placement test. Matrices, introduction to series, partial derivatives, least squares adjustments, topics in astronomy, and coordinate systems.		

230	TECHNICAL CAREER SEARCH SKILLS	1 credits
	Students will develop specific skills in resume writing, interviewing, self-directed job search, networking, researching employers, as well as learning the fundamentals of the job market.	
240	HUMAN RELATIONS	3 credits
	Examination of principles and methods which aid in understanding the individual's response to society and the relationship between society and individuals.	
241	TECHNOLOGY & HUMAN VALUES	3 credits
	Examines impact of scientific and technical change upon individuals and society and associated values. Topics include digital and work life, biomedical technologies and the environment.	
242	AMERICAN URBAN SOCIETY	3 credits
	Multidisciplinary treatment of urban processes and problems. Concerns historical, political, social, economic and other environmental forces which impact the individual in an urban setting.	
243	CONTEMPORARY GLOBAL ISSUES	3 credits
	Multidisciplinary approach to global social problems. Examines cultural, political, and economic issues in developed and developing nations. Emphasizes technology's impact and global interrelationships.	
244	DEATH & DYING	3 credits
	Examination of a wide range of topics related to death and dying. Emphasis is placed on understanding and coping with death and dying.	
247	SURVEY OF BASIC ECONOMICS	3 credits
	Introduction to economic analysis and issues designed for the student taking only one course in economics. Coverage includes economic systems, exchange, money and banking, national income, employment, fiscal policy and current domestic economic problems.	
251	HUMAN BEHAVIOR AT WORK	3 credits
	Examination of relationship between human behavior and the work organization. Emphasis on how contemporary organizations are changing and what makes individuals within their organizations more effective.	
254	THE BLACK EXPERIENCE 1619-1877	2 credits
	Prerequisite: 2020:121 or 3300:112. Examination of the black American including origins, historical achievements and striving to achieve first-class citizenship in America from 1619 to 1877.	
256	DIVERSITY IN AMERICAN SOCIETY	3 credits
	Prerequisites: 2020:121 or 3300:112. Survey course covering demographic, social, economic, political, and educational realities of diversity in 21st Century. Focus on diversity and unity, historical overview.	
257	THE BLACK EXPERIENCE 1877-1954	2 credits
	Prerequisites: 2020:121 or 3300:112. Examines the experiences of Blacks following Reconstruction. Topics to include: Separate but Equal doctrine, segregation, integration, and the achievements of Blacks in American society.	
258	BLACK EXPERIENCE 1954-PRESENT	2 credits
	Prerequisites: 2020:121 or 3300:112. Examines the relationship of the civil rights movement, Black nationalism, integration, segregation, and desegregation as strategies to ameliorate discrimination and achieve equal opportunity.	
290	ST: ASSOC STUDIES-SOCIAL SCI	1-4 credits
	(May be repeated with a change in topic) Prerequisite: permission. Selected topics on subject areas of interest in the social sciences.	
344	DEATH & DYING	3 credits
	Examination of a wide range of topics related to death and dying. Emphasis is placed on understanding and coping with death and dying.	
345	DEATH/DYING HEALTH CARE PROFES	3 credits
	Examination of loss, death, and dying in health care professions. Theory-driven course emphasizing development of practical skills to address death-related issues and experiences.	
349	INTEGRATED HUMAN BEHAVIOR/HLTH	3 credits
	Examination of the reciprocal nature of physical and mental health factors related to disease course/progression. Emphasis on application of theory-driven conceptualization and interventions.	

195 INDIVIDUALIZED STUDY

1 credits

Prerequisite: admission to the Distinguished Student Program. Focused investigation of a specific topic mutually determined by the student and a supervising faculty member.

480 DIGITAL & SCIENTIFIC EVIDENCE

3 credits

Prerequisite: 2220:104. Examination of the role of scientific and digital evidence in the legal system. Courtroom admissibility and presentation rules are covered.

100	INTRODUCTN TO FIRE PROTECTION	4 credits
	History and philosophy of fire protection; introduction to agencies involved; current legislative developments; discussion of current related problems, expanding future of fire protection and career orientation.	
102	FIRE SAFETY BLDG DESGN & CONST	3 credits
	Exploration of building construction and design with emphasis on fire protection concerns; review of related statutory and suggested guidelines local, state and national scope.	
104	FIRE INVESTIGATION METHODS	4 credits
	History of fire investigation; gathering of evidence and development of technical reports; fundamentals of arson investigation; processing of criminal evidence and procedures related to local and state statutes.	
202	INCIDENT MGMT FOR EMER RESPOND	4 credits
	Efficient and effective use of human resources, equipment and systems. Emphasis on preplanning, incident management, problem solving related to emergency preparation and response.	
204	FIRE AND LIFE SAFETY EDUCATION	3 credits
	Application and analysis necessary for the implementation of the Life Safety Code Handbook.	
205	FIRE DETECTN & SUPPRSN SYS	3 credits
	Design, installation, maintenance and utilization of portable fire extinguishing appliances and pre-engineered automatic systems; fire detection and alarm signaling systems operational capabilities, requirements.	
206	FIRE SPRINKLER SYSTEM DESIGN	3 credits
	Design, installation and operation of automatic fire suppression systems. Includes sprinkler, foam, carbon dioxide, dry chemical, halogenated agent systems.	
250	HAZARDOUS MATERIALS	4 credits
	Prerequisite: 100. Study of chemical characteristics and reactions related to storage, transportation and handling of hazardous materials. Emphasis on emergency situations, firefighting and control.	
254	FIRE PREVENTION	3 credits
	Prerequisite: 100. Fire codes and standards relative to fire prevention, inspection, and code enforcement.	
257	FIRE & SAFETY ISS FOR BUS/IND	3 credits
	Industrial fire and safety issues related to specialized hazards, federal and state regulations. Emphasis on emergency response team preparedness, confined space entry, and rescue.	
280	FIRE SERVICE ADMINISTRATION	4 credits
	Prerequisite: 100. Fire officer professional qualifications; federal, state regulations governing department operations-OSHA, EPA; emergency and non-emergency operations procedures-ICS, IMS, Emergency Operations Center are presented.	
290	ST: FIRE SCIENCE TECHNOLOGY	1-4 credits
	(May be repeated for a total of four credits) Prerequisite: permission. Selected topics or subject areas of interest in fire protection technology.	
294	ADVANCED FIRE INVESTIG METHODS	3 credits
	Prerequisites: 100, 104, 205, 206. Designed to meet student and in service fire investigators need to understand new/updated technology and methodology in managing fire investigations.	
295	FIELD EXPERIENCE I	2 credits
	Prerequisites: 30 credit hours of successfully completed course work in the Fire Protection Technology program which includes 2230:100, 2230:102, 2230:104, 2230:204, 2230:205, and 2230:280 and permission. Course designed to measure the knowledge, skills and abilities required to become a graduate of The University of Akron, Fire Protection Program.	
296	FIELD EXPERIENCE II	2 credits
	Prerequisites: 30 credit hours of successfully completed course work in the Fire Protection Technology program which includes 2230:100, 2230:102, 2230:104, 2230:204, 2230:205, and 2230:280. If not currently an active fire fighter, you must take 2230:295 first. Course designed to measure the knowledge, skills and abilities required to become a front line supervisor, work in hazmat bureau or beginning arson investigator,.	
297	INDP STUDY: FIRE PROTECTION	1-3 credits
	Prerequisite: 2230:100 and permission. Selected topics and special areas of study in fire protection technology under the supervision and evaluation of a selected faculty who assigns specific arrangements.	

100	INTRO TO DIGITAL FORENSICS	3 credits
	An overview of digital forensics and computer-related issues facing government and businesses. Specific focus on forensic examinations and methodologies used in the field.	
105	INTRO DISASTER, HAZARDS & RISK	3 credits
	Provides a research based and practitioner overview of how people perceive and react to extreme events before, during, and after disasters.	
210	OCCUPATNL SAFETY & RISK	3 credits
	Introduction to the field of health and safety as related to business and industrial operations. Emphasis is placed on hazard/risk analysis and the regulatory environment.	
220	ENVIRONMNTL LAW & REGULATIONS	3 credits
	Introduction to the legal system and to the laws and regulations dealing with water, air, land, noise and other sources of pollution.	
221	ENVIRNMTL LAW & REGULATION II	3 credits
	Prerequisites: 220 or permission. Designed to provide students the opportunity to apply common regulatory reporting mechanisms in a practical manner utilizing a variety of software programs recognized in the environmental field.	
230	WATER & ATMOSPHERIC POLLUTION	3 credits
	Prerequisite: 3100:104, 105. Basic concepts of aquatic and atmospheric systems and the processes which pollute them. Emphasis on control and monitoring of cultural, industrial, and agricultural pollution sources. Laboratory.	
232	ENVIRONMENTAL SAMPLING LAB	2-3 credits
	Corequisite: 2800:230. Field experience with a wide range of environmental sampling techniques and equipment.	
280	CYBERCRIME	3 credits
	Examines crime and deviance in cyberspace. Particular focus is on the prevention of computer intrusion in the workplace.	
281	COMPUTER FORENSIC METHODS	3 credits
	Prerequisite: 2235:100. Examination of computer forensic methods employed to identify, collect, recover, authenticate, preserve, analyze, and document electronic evidence for criminal or civil legal purposes.	
282	DIGITAL FORENSIC IMAGING	3 credits
	This course cover the general principles of photography and practical elements and advanced concepts of forensic photography.	
283	CYBER WARFARE	3 credits
	Prerequisites: 2235:100 or 3800:100. Examines the participants, tools and techniques in digital conflicts and explores how to defend against espionage, hactivism, non-state actors and terrorists.	
285	DISASTERS IN FILM AND MEDIA	3 credits
	Examines how contemporary culture perpetuates myths of natural and technological disasters. Students deconstruct and analyze reality from the myths in various types of media.	
305	PRNCPLS OF EMERGENCY MGMT	3 credits
	An overview of the history and philosophy, terms and concepts, and local, state and federal roles in emergency management. Emphasizes manmade, natural and technological hazards.	
340	DISASTER RESEARCH METHODS	3 credits
	Introduction to scientific method and processes, research ethics, and qualitative and quantitative methods. Use of research for appropriate decision making.	
350	DISASTER PREP & RESPONSE	3 credits
	Prerequisite: 2235:305. Legal requirement, planning formats, and response procedures are presented. Special focus community risk assessment: hazard analysis, vulnerability assessment, and community response capability assessment.	
360	INTRODUCTION TO TERRORISM	3 credits
	Corequisite: 305. Examines terrorism from historical, international, transnational, and domestic perspectives. Includes political and religious terrorism along with emergency management considerations.	
365	DISASTER MITIGATION	3 credits
	Prerequisite: 2235:305. Examines disaster prevention and risk reduction. Focuses on such concepts as sustainability, resiliency, non-structural and structural mitigation and various sectors' responsibilities.	
367	DISASTER RECOVERY	3 credits
	Prerequisite: 2235:305. Provides foundations for disaster relief and recovery planning, stages of recovery, resources used, and formation of public/private partnerships for recovery action and resource allocation.	
370	HAZARD SCIENCE AND MGMT	3 credits

Overview of hazards theory, the science of hazard development, and various hazard types. Emphasis on emergency management and homeland security perspectives in regard to various hazard management related topics.

381 COMPUTER FORENSIC METHODS II 3 credits

Prerequisite: 2220:281. Obtaining and analyzing digital information from computer storage media to determine details of origin and content.

382 FILE SYSTEM ANALYSIS 3 credits

Prerequisite: 2235:281. The analysis of volumes, partitions, and data files to understand the design of file systems and data structures.

383 ETHICAL HACKING 3 credits

Prerequisite: 2235:283. An examination of the tools, methods, and structured approaches to conducting basic security testing to protect computer networks from attacks.

384 INTELLIGENCE: CYBER/HOMELAND S 3 credits

This course introduces students to the role and operation of the intelligence community within the homeland security framework: History, mission, structure, capabilities, and methods.

401 CRISIS LEADERSHIP 3 credits

This course presents leadership research from an interdisciplinary perspective. Content is drawn the fields of business, training, simulation, organizational theory, government, and others. This course covers early leadership theory, horizontal theories, crisis training models and approaches, and crisis cognitive processing strategies. Students will examine the overall system of building better crisis leaders.

406 DISASTER MGMT TECHNOLOGY 3 credits

Prerequisite: 2235:305. Provides an overview of the various types of technology utilized in disasters, emergency management and homeland security. Topics include communications, watches, warnings, and operational challenges.

407 HAZARDOUS WEATHER OBSERVATIONS 3 credits

Overview of meteorological variables and weather data useful to EM including meteorological instruments, forecasts, model, radar and satellite imagery, thunderstorms, tornadoes, winter storms and hurricanes.

420 DISASTER VULNERABILITY 3 credits

Prerequisites: 2235:305. Analysis of citizen actions regarding major disasters including perspectives of individuals and emergency managers using case studies, theories, and social problems.

425 PRIV SECTOR DISASTER APPLICATI 3 credits

Prerequisites: 2235:305. Examines emergency management and homeland security business components in the private and public sectors. Emphasizes business continuity plans along with case studies in hazards and disasters.

430 CONT ISS EMER MGMT & HOME SEC 3 credits

Discussion of relevant issues impacting the field of emergency management and homeland security by analyzing various case studies.

435 CYBER ISS IN EMER MGMT & HOME 3 credits

Prerequisite: 2235:305. Discussion and analysis of cyber issues impacting the public, private, and nonprofit sectors of emergency management and homeland security.

480 EMER MGMT & HOME SEC CAPSTONE 3 credits

Prerequisite or Corequisite; 2235:495. Ties together relevant concepts in emergency management and homeland security to help prepare graduates for professional careers integrating theory and applications.

490 CURRENT TOPICS: EMERGENCY MGMT 1-4 credits

Prerequisites: 305 and 350. A variety of course topics on current subjects related to emergency management and disaster preparedness. May be repeated for up to 12 credits.

495 EMER MGMT & HOME SEC INTERN 3 credits

Prerequisite: 30 hours in program and permission from program director. Supervised work experience in emergency management and/or homeland security to increase student understanding by applying program education to an applied work experience.

497 INDP STUDY: EMERGENCY MGMT 1-4 credits

Prerequisites: 305 and 350. Selected topics, special areas of study in emergency management, disaster preparedness under the supervision of a faculty member with whom specific arrangements have been made.

131	INTRO: DEVELOP DISABILITIES	2 credits
	This course provides an overview of developmental disabilities. Content includes definitions, classifications, causes, and characteristics of disabilities; legislation/regulations; service delivery models; and prevention.	
150	INTRODUC TO GERONTOLGCL SERV	3 credits
	Basic orientation to gerontology and role of community service technician in service delivery to aged. Topics include social, biological, economical, and psychological aspects of aging; national and state legislation; services and service provider.	
231	HABILITATION PROGRAMMING	2 credits
	Prerequisite: 131. This course examines components of individualized plans, implementation of such plans, and legal issues. Content includes types of habilitation programming and the role of self-determination.	
233	BEHAVIOR SUPPORT	2 credits
	Prerequisite: 131. This course examines the components of behavior support. Course content includes various types of behavior support programs and techniques.	
255	EFFECTIVE WORKPLACE RELATNSHPS	3 credits
	This course focuses on self-evaluation and development of skills for successful interaction with clients/inmates, peers, supervisors, and colleagues in other public service systems.	
262	BASIC HELPING SKILLS	4 credits
	Teaches micro skills through the use of didactic presentation, role play and videotaping; develops ability to give and receive feedback about effectiveness of helping others.	
277	CASE MGT-COMMUNITY SERVIC	3 credits
	Case by case study of Social Service delivery in six primary areas of Human Services. Emphasis on case management skills, documentation and ethics.	
278	TECHNIQUES OF COMMUNITY WORK	4 credits
	Prerequisite: 2020:121 or 3300:111. For those intending to work in community organizations in the United States and for others desiring an understanding of technical community service roles. Covers such topics as ethics, liability issues, communication and problem solving skills, values clarification, stress management systems theory, and assertive behavior.	
279	TECH EXP COMMUN&SOCIAL SERVICE	5 credits
	Prerequisite: 278 and permission. Individual placement in selected community and social service agencies for educationally supervised experience in community and social services technician position. Does not substitute for 7750:421 or 495.	
297	INDP STUDY: COMMUNITY SERVICES	1-3 credits
	Prerequisite: permission. Selected topics and special areas of study under the supervision and evaluation of a selected faculty member with whom specific arrangements have been made.	

101	INTRODUCTION TO HOSPITALITY	3 credits
Explores the various segments of the hospitality industry and introduces the knowledge and skills required for success.		
120	SAFETY & SANITATION	1 credits
This course covers an introduction to food service sanitation and safety practices pertinent to hospitality managers.		
121	FUNDAMENTALS OF FOOD PREP	4 credits
Prerequisite or Corequisite: 2280:120. Skills and basic knowledge of food preparation procedures in a laboratory situation.		
122	A LA CARTE COOKING	4 credits
Prerequisites: 101, 120, 121. Continuation of 121. Food preparation techniques presented in laboratory situations for public consumption in a restaurant setting.		
160	WINE & BEVERAGE SERVICE	3 credits
Intensive examination of wine as related to hospitality industry. Emphasis on business practices. History and development of viticulture, enology.		
230	ADVANCED FOOD PREPARATION	4 credits
Prerequisites: 101 and 122. Lecture and demonstration followed by hands-on experience in the preparation of classical American dishes as well as cuisines and techniques from around the world.		
232	DINING ROOM SERVICE & TRAINING	3 credits
In-depth study of the styles of dining service, development of job descriptions, importance of courtesy, customer relations. Application of service techniques in restaurant environment.		
233	RESTAURANT OPERATIONS & MGMT	4 credits
Prerequisite: 122, 232 and 245 for restaurant management option. Additional prerequisite: 261 for culinary arts majors. Introduction to large quantity food service procedures with emphasis on sound principles of food handling service and sanitation in large quantity operations. Gourmet meals served in simulated restaurant atmosphere.		
237	INTERN: HOSPITALITY MANAGEMENT	3 credits
Prerequisite: permission. Internship is an off-campus work experience in which the student applies concurrently learned concepts to practical situations within the hospitality industry.		
240	SUPRVSN IN HOSPITALITY INDSTRY	3 credits
Prerequisite: 101. Identifies various components of the hotel and food service operations and the role of managing human resources efficiently and effectively		
243	FOOD EQUIPMENT&PLANT OPERATION	3 credits
Prerequisite: 120. Available food service equipment, its selection, use and care. Field trips taken to wholesale outlets and food service establishments to see food service equipment demonstrated and in operation.		
245	MENU, PURCHASING&COST CONTROL	4 credits
Prerequisites: 2030:161 and 2280:101. Menu design and merchandising integrated with purchasing principles, specifications and receiving, as well as financial controls and procedures within the hospitality environment.		
250	FRONT OFFICE OPERATIONS	3 credits
Prerequisites: 2030:161, 2280:101, 2420:211. This course introduces the student to the functioning of the Front Office of a Hotel and expands student's knowledge of Hotel Operations.		
256	HOSPITALITY LAW:LEGAL AND ETHI	3 credits
Prerequisite: 2280:101. The course will address the critical legal and ethical issues in the hospitality industry.		
261	BAKING & CLASSICAL DESSERTS	4 credits
Prerequisite: 121. Techniques and production of quick breads, yeast products, cakes, cookies, specialty desserts and pies. Emphasis on equipment, formulas, ingredient selection and product quality evaluation.		
268	REVENUE CENTERS	3 credits
Prerequisite: 101. An in-depth examination of the sales producing divisions of the hotel organization. The rooms, banquet, food and beverage, and special departments as well as their interconnections are studied.		
278	HOSPITALITY INDUSTRY MARKETING	3 credits
Prerequisite: 101. Introduce various concepts of marketing, their application to the hospitality industry, and the key elements of a marketing plan.		
280	SPECIAL EVENTS MANAGMENT	3 credits
Prerequisites: 101, 232. Defines scope and segmentation of convention and group business markets and develops related marketing strategies.		
290	ST: HOSPITALITY MANAGEMENT	1-3 credits
(May be repeated for a total of four credits) Prerequisite: permission. Selected topics or subject areas of interest in food service management.		

101	INTROD TO PARALEGAL STUDIES	3 credits
	Covers the basics of paralegal studies emphasizing the fundamental concepts of the legal system. Includes overview of paralegal studies career and ethical considerations relative thereto.	
104	BASIC LEGAL RESEARCH & WRITING	3 credits
	Prerequisite: 101. Will provide the student with basic research abilities necessary in law offices. Includes the use of law library tools (reporter systems, legal encyclopedias, codes, and computer).	
105	LAW OFFICE TECHNOLOGY	3 credits
	Prerequisite: 101. Overview of software utilized in today's law office; including case management/trial litigations software. Stresses law-related internet applications and electronic case filings.	
106	BUSINESS ASSOCIATIONS	3 credits
	Prerequisite: 101. Instructs students in different types of business entities, from sole proprietorships to corporations. Preparation of forms and necessary governmental filings will be stressed.	
108	REAL ESTATE TRANSACTIONS	3 credits
	Prerequisite: 101. Acquaints students with basic real property law, including different types of deeds, ownerships, easements, and mortgages. Problems arising from sales agreements will be covered.	
110	TORT LAW	3 credits
	Prerequisite: 101. Covers the traditional civil wrongs, from the plaintiff's and defendant's standpoints. Actual cases will be briefed and discussed. Stresses importance of preparation prior to trial.	
112	FAMILY LAW	3 credits
	Prerequisite: 101. Covers antenuptial agreements, marriage, divorce, dissolutions, annulments, adoptions, juvenile law, artificial insemination, and paternity.	
118	PROBATE ADMINISTRATION	4 credits
	Prerequisite: 101. Covers law necessary to draft and interpret wills, trusts. Includes administration of a typical estate within Probate Court. Touches on guardianship, commitment of mentally ill.	
204	ADVANCED LEGAL RESEARCH	3 credits
	Prerequisite: 101; 104. Continuation of 104. Will especially stress importance of clear, concise legal writing. Students will write briefs, motions, and complaints as part of their endeavor.	
214	CIVIL PROCEDURE	3 credits
	Prerequisite: 101. Covers aspects of legal assisting in different types of civil litigation. Includes Ohio Rules of Civil Procedure, preparation of complaints, answers, motions, basic trial preparation.	
216	DEBTOR-CREDITOR RELATIONS	3 credits
	Prerequisite: 101. Covers bankruptcy primarily, as well as collection methods and state law remedies.	
218	ADVANCED PROBATE ADMINISTRATION	3 credits
	Prerequisites: 101; 118. Covers guardianships, marriage licenses, living wills and advanced directives, adoptions, name changes, and the probate and tax issues of intestate and testate estates.	
220	PARALEGAL INTERNSHIP	4 credits
	Prerequisites: 101; 104. Must have completed first-year courses. Students are provided experience in law-related environment. Students work at placement and meet with the course instructor.	
290	ST: LEGAL ASSISTING TECHNOLOGY	1-3 credits
	Prerequisites: 101, 104 or permission. (May be repeated for a maximum of six credits.) Selected topics on subject areas of interest in Legal Assisting Technology.	
297	INDP STUDY: LEGAL ASSISTING	3-5 credits
	Prerequisite: 101. (May be repeated for a maximum of six credits.) Selected topics and special areas of study in Legal Assisting Technology.	

103	ESSENTIALS OF MANAGEMENT TECH	3 credits
	Survey of management principles for business and other organizations. Emphasizes the basic management functions including planning, organizing, staffing, influencing, and control.	
104	INTROD TO BUSIN GLOBAL ENVIRON	3 credits
	Survey of business emphasizing the global nature of business and including entrepreneurship concepts, form, marketing, management, human resources, financial resources and production.	
117	SMALL BUSINESS DEVELOPMENT	3 credits
	Prerequisite: 2420:211 or permission. Introduction to small business and entrepreneurship: opportunities and qualifications for establishing, financing, operating and developing managerial policies and procedures for small business	
125	ESSENTIALS OF PERSONAL FINANCE	3 credits
	Consumer decision making including credit and budgets, time value of money, major purchases, insurance, investments, tax planning, retirement and estate planning.	
140	KEYBOARDING	2 credits
	Fundamentals in the operation of the keyboard; application emphasis on individual student needs such as resumes, application letters and forms, term reports, abstracting, etc.	
202	ELEMENTS OF HUMAN RESOURC MGMT	3 credits
	Prerequisite: 2420:103 or permission. Provides students with an overview of human resource management functions. Includes planning, EEO/AA, selection, development, legal environment, compensation, labor relations, appraisal systems and career planning.	
211	BASIC ACCOUNTING I	3 credits
	Accounting for sole proprietorships operating as service and merchandising concerns. Introduction to financial statements. Includes handling of cash, accounts receivable, inventories, plant/equipment, and payroll.	
212	BASIC ACCOUNTING II	3 credits
	Prerequisite: 211. Accounting as it applies to partnerships and corporations. Includes stocks, bonds, cash flows, financial statement analysis, and specialized accounting software.	
213	ESSENTIALS OF MGMT ACCOUNTING	3 credits
	Prerequisite: 211. Study of the interpretation and use of accounting data by management in decision making and the planning and controlling of business activities.	
214	ESSENTIALS OF INTERMED ACCTG	3 credits
	Prerequisite: 212. Study of development of financial accounting theory and its application to problems of financial statement generation, account valuation, analysis of working capital, and determination of net income.	
215	COMP APPL FOR ACCT CYCLES	3 credits
	Prerequisites: 212, 213, 2540:270. Develops the skills of computer accounting as used in today's marketplace through hands on experience with general ledger accounting software.	
216	SURVEY OF COST ACCOUNTING	3 credits
	Prerequisite: 213. Provides student with conceptual understanding of how accounting information is developed and used for product costing, decision making and managerial planning and control.	
217	SURVEY OF TAXATION	3 credits
	Survey course of basic tax concepts, research, planning, and preparation of returns for individuals. Federal, state and local taxes are discussed.	
218	AUTOMATED BOOKKEEPING	2 credits
	Corequisite: 2420:212. Provides experience with accounting software packages to include the processing of general ledger, accounts receivable, accounts payable, and payroll transactions.	
220	APPLIED ACCOUNTING	3 credits
	Prerequisites: 212, 213, 2540:270. An applied orientation focusing on all accounting functions through adjusted trial balance and basic payroll skills. Emphasis on skills required for the Certified Bookkeeping designation.	
227	ENTREPRENEURSHIP PROJECTS	3 credits
	Prerequisite: 103, 104, 117, 212, 243, 2540:270. Requires the student to research, design, and complete a comprehensive business plan which will become the blueprint for a new or existing business.	
243	SURVEY IN FINANCE	3 credits
	Prerequisites: 170 and 211. Survey of field including instruments, procedures, practices and institutions. Emphasis on basic principles.	
245	BUSINESS MGMT ACCTG INTERNSHIP	3 credits

Prerequisites: 212 and 213 or 215 and 216. An accounting field experience exposing the student to the actual accounting environment and general workplace.

246 BUSINESS MANAGEMENT INTERNSHIP 3 credits
Prerequisites: 32 credits completed, including: 103, 104, 212, 280, 2040:240, 6300:201. A management field experience exposing the student to the actual management environment and general workplace.

250 PROBLEMS IN BUSINESS MGMT 3 credits
Prerequisites: 103, 104, 212, 243, 2520:101, 2420:270. Capstone course studies the development of solutions and the formulation of policies to solve business problems, emphasizes case studies, group projects, oral and written presentations.

263 PROF COMMUNCTN & PRESENTATIONS 3 credits
Prerequisite or corequisite: 2020:121 or 3300:111. Application of the principles of communication in speeches, business presentations, group discussions, and business documents.

270 BUSINESS SOFTWARE APPLICATIONS 3 credits
Prerequisite: 2440:105; Wayne College students - 2440:125, 2540:241, 253. Use of business application software and critical thinking skills to solve business problems. Word processing, spreadsheets, database, presentation software, integration of applications, and the Internet.

280 ESSENTIALS OF BUSINESS LAW 3 credits
History of the law and the judicial system, torts and criminal law affecting business, contracts with emphasis on sales under the UCC, and commercial paper.

290 ST: BUSINESS MANAGEMENT TECHN 1-3 credits
(May be repeated for a total of four credits) Prerequisite: permission. Selected topics or subject areas of interest in business management technology.

300 SUPERVISION IN A TECHNICAL ENV 3 credits
Competencies required for successful transition from individual contributor to supervisor. Emphasis on working effectively with others and self-development as a leader.

301 INFORMATION DESIGN 3 credits
Prerequisites: 2020:121 and 222 or 3300:111 and 112 or equivalent. Principles of visual rhetoric and practice in communicating with text and graphics. Examines the role of design in a variety of workplace communication documents.

302 ETHICS AND LAW IN BUSINESS 3 credits
Prerequisite: Junior/Senior standing. Workplace ethical principles and legal issues such as liability, safety, quality, honesty, and confidentiality. Case studies and projects explore global, legal, and technological issues affecting employee interaction in the workplace.

310 LDRSHP PRIN & PRAC FOR TEC ORG 3 credits
Corequisite: 2420:300. Contemporary perspectives and issues in leadership and supervision. Development of effective leadership characteristics.

311 CORP SOCIAL RESPBLTY & LEADERS 3 credits
Prerequisite/Corequisite: 2420:300 with a C or better. Theory and best practices in corporate social responsibility, community service and leadership in local, national and global settings. Identify leadership opportunities for future contributions.

401 LEADING PROJECT TEAMS 3 credits
Prerequisite: 2440:310 with the grade of C or better. Examines and applies the operational and human aspects of project team management from conception to completion.

402 OP ASSESSMENTS & IMPROVEMENTS 3 credits
Prerequisites: [3470:250 or 3470:260] and 2420:310 (with a grade of C or better). Methods for conducting business process assessments and evaluating results in organizations.

420 HUMAN RESOURCES DEVELOPMENT 3 credits
Prerequisite: 2420:310 with a grade of C or better. Overview of current theories and best practices in human capital development.

421 SEN SEMINAR IN ORG SUPERVISION 3 credits
Prerequisite: 2420:402 with a grade of C or better. Integration and application of professional knowledge, skills, and technologies to organizational issues.

105	INTRO: COMPTR & APPL SOFTWARE	3 credits
	Overview of basic computer concepts, electronic mail and Internet terminologies. Introductory-level instruction and hands-on experience in word processing, spreadsheet, database and presentation software.	
121	INTROD OF LOGIC/PROGRAMMING	3 credits
	Prerequisites: 105 or pass placement test. An introduction to business problem solving using computer-based solutions. Topics include structured design, documentation and modularity. Includes a component of hands-on programming.	
125	SPREADSHEET SOFTWARE	2 credits
	Prerequisites: 105 or pass placement test. Emphasizes mastery of spreadsheet applications using Excel.	
140	INTERNET TOOLS	3 credits
	Prerequisite: 105 or placement exam. Students will learn to create web pages using HTML and enhance their documents by including hyperlinks, tables, forms, frames and images in their HTML code.	
141	WEB SERVER ADMINISTRATION	3 credits
	Prerequisites: 2440:105 or pass placement test. Provides Web server administration guidelines such as selecting software/hardware, domain name registration, analyzing security/legal issues, and implementing marketing strategies.	
145	INTRODUCTION TO UNIX/LINUX	3 credits
	Prerequisite: 105 or pass placement exam (CISBR). This course explores the vital functions that an operating system performs. A multi-user operating system is studied from a functional and hands-on approach.	
160	JAVA PROGRAMMING	3 credits
	Prerequisite: 121. Course introduces the JAVA programming language. Programming techniques are demonstrated through the coding, testing and debugging of JAVA applications and applets.	
170	VISUAL BASIC	3 credits
	Prerequisites: 121. Course includes hands-on experience with Visual BASIC, design of Graphical User Interface (GUI) applications, event-driven programming, linking of windows, and accessing relational databases.	
180	INTRO TO DATABASE MGMT	3 credits
	Prerequisites: 2440:121. Overview of database system models and functions. Covers introduction to database design and relational database definition and manipulation using SQL.	
201	NETWORKING BASICS	3 credits
	Prerequisites: 105 or placement exam. The introductory course in networking. It includes study of the common network protocols, structures, and models. Basic router and switch configurations are introduced.	
202	ROUTER & ROUTING BASICS	3 credits
	Prerequisite: 201. The second course to networking. It covers basic router configuration as well as routed and routing protocols.	
203	SWITCHING BASICS AND WIRELESS	3 credits
	Prerequisite: 201. The third of four courses leading to the CCNA certification. The course covers switching basics and basic wireless networking.	
204	WAN TECHNOLOGIES	3 credits
	Prerequisite: 202,203. The fourth of four courses leading to the CCNA certification. Topics covered include IP services and Wide Area Network theory and design.	
210	CLIENT/SERVER PROGRAMMING	3 credits
	Prerequisite: 180. Introduces student to client/server programming. Includes hands-on experience using a Rapid Application Development (RAD) tool to show integration of database and program development.	
211	INTERACTIVE WEB PROGRAMMING	3 credits
	Prerequisites: 2440:121 and 2440:140. Provides students with instruction on interactive Web programming using XML and DHTML (HTML/XHTML/HTML5, CSS, and Web scripting).	
212	MULTIMED&INTERACT WEB ELEMENTS	3 credits
	Prerequisite: 140. Reviews and demonstrates web tools and techniques like RealAudio, Shockwave, QuickTime, video conferencing and other dynamic graphical elements to enhance Web-based communication. Multimedia software may change to reflect current technology.	
240	COMPUTER INFO SYSTEMS INTRNSHP	3 credits
	Prerequisites: 2440:241, or 2440:202 and 2440:247, or 2440:282 and 2440:247. Provides student experience in computing/information technology in the workplace. Students meet with instructor to discuss and examine experiences.	
241	SYSTEMS ANALYSIS & DESIGN	3 credits
	Prerequisite: 180 and 160 or 170 or 256. Covers all phases of business systems analysis, design, development, and implementation. Such principles as system flowcharting and file and document design emphasized.	

247	HARDWARE SUPPORT	3 credits
Prerequisites: Admission to program or permission of program director. This course introduces the student to the basic skills required to troubleshoot, maintain and repair computers.		
248	SERVER HARDWARE SUPPORT	3 credits
Prerequisite: 247. This course introduces the student to server hardware and expands student knowledge of client hardware.		
251	CIS PROJECTS	3 credits
Prerequisite: 241 or permission. Using a simulated work environment, project teams are set up and required to analyze an unstructured problem, prepare alternative designs and implement a solution.		
256	C++ PROGRAMMING	3 credits
Prerequisite: 121. This course explores object-oriented programming through C++ program development.		
258	INFO CONTINUITY & RECOVERY	3 credits
Prerequisites: 201, 247. This course focuses on issues in keeping organizational information secure and available. It also covers contingency planning for disasters and security breaches.		
259	COMPUTER AND NETWORK SECURITY	3 credits
Prerequisites: 202, 247. This course focuses on computer and network security issues related to conducting business over the Internet. A common framework of information security terms and principles is used, and students learn to implement these principles in a business environment.		
281	MICROSOFT NETWORKING I	3 credits
Prerequisite: 2440: 105. Provides the knowledge and skills necessary to manage and maintain Windows in the enterprise. This course also helps prepare the student to pass the MCTS exam.		
282	MICROSOFT NETWORKING II	3 credits
Prerequisite: 2400: 281. Provides the knowledge and skills necessary to manage and maintain computers with the Windows Server 2008 Network Operating System. This course will also help prepare you to pass the MCTS Exam.		
283	MICROSOFT NETWORKING III	3 credits
Prerequisite: 2440: 282. Provides the knowledge and skills necessary to manage and maintain an active directory service hosted by the Server 2008 Network Operating System. This course also helps prepare the student to pass the MCTS Exam.		
284	MICROSOFT NETWORKING IV	3 credits
Prerequisites: 2440: 283 or passing score on the 70-640 Microsoft Certification Exam. This course will provide you with the knowledge and skill necessary to install, configure, manage and maintain the server services provided with Server 2008.		
290	ST: COMPUTER INFO SYSTEMS	1-5 credits
Prerequisite: permission. Selected topics or subject areas of interest in computer information systems.		
300	NETWORK AUTHENTIC & SECURITY	3 credits
Prerequisite: 2440:204. WAN Technologies Junior/Senior standing and compliance with the repeat policy. This course focuses on network security issues related to conducting business over the Internet, including authentication, authorization, and firewalls.		
303	VOICE, DATA, AND VIDEO	3 credits
Prerequisite: 2440:204 Wan Technologies. Junior/Senior standing and compliance with the repeat policy. This course focuses on network issues related to the integration of voice, data, and video over the same network media and equipment.		
306	ETHICS & LAW IN IT	3 credits
Prerequisite: Junior/Senior standing. This course is designed to introduce the student to the central issues concerning intellectual property, privacy, and copyright law as it pertains to the development and distribution of software systems.		
310	WIRELESS NETWORKING	3 credits
Prerequisite: 204 and compliance with repeat policy, or permission. This course provides students with various wireless networking technologies.		
311	CLIENT/SERVER PROGRAMMING II	3 credits
Prerequisite: 2440:210. Discusses tools for client-server programming, distributed computing, socket programming, and security implementation.		
321	SERVER-SIDE SCRIPTING	3 credits
Prerequisites: 2440: 121 & 140. This course provides students with instruction on using server-side scripting languages to develop interactive client/server web-based applications.		
340	NETWORK FORENSICS I	3 credits
Prerequisites: Junior/Senior standing and 2220:281 with a grade of C or better. This course will provide the student with basic knowledge of surveillance of networking devices, identifying and preventing attacks and incident response.		
360	JAVA PROGRAMMING II	3 credits

Prerequisite: 2440:160. This course covers advanced object-oriented programming concepts, GUI programming, web application programming, network and security programming, JavaBeans and explores aggregations.		
365	E-BUSINESS APP DEVELOPMENT	3 credits
Prerequisites: 2440 211 & 321. This course covers web programming techniques to develop Web-based e-business solution and covers e-business models and business issues.		
370	VISUAL BASIC PROGRAMMING II	3 credits
Prerequisite: 2440:170. This course explores object-oriented programming through Visual Basic program development at a more advanced level, with more attention to business applications.		
388	ADVANCED UNIX/LINUX	3 credits
Prerequisite: 2440:145 and Junior/Senior standing. This course provides students with the necessary knowledge and skills to perform basic administrative tasks on a UNIX/Linux operating system.		
400	ADVANCED ROUTING	4 credits
Prerequisites: 2440:201, 202, 203, 204, 300, 2030:154 OR possess a current CCNA certification and be able to configure a router to the CCNA standards and compliance with the repeat policy. This course focuses on advanced routing protocols and features and complies with the content of the Cisco Academy Cisco Certified Network Profession (CCNP) Advanced Routing course.		
401	MULTILAYER SWITCHING	3 credits
Prerequisites: Must have a current CCNA certification and be able to program a router to the CCNA standards. Requires permission. OR Must have successfully completed all four Cisco Networking Academy CCNA courses from an accredited academy (2440:201, 202, 203, 204) and compliance with the repeat policy, or permission. This course focuses on switching protocols and features. This course complies with the content of the Cisco Academy Cisco Certified Network Profession (CCNP) Switching course.		
402	TROUBLESHTG CMLPX IP-BAS NETWK	3 credits
Prerequisites: 2440:301 and 2440:401 and compliance with the repeat policy, or permission. This course focuses on maintaining and troubleshooting complex IP-based networks. It complies with the content of the Cisco Academy Cisco Certified Network Profession Troubleshooting course.		
430	NETWORK MONITORING & MGMT	3 credits
Prerequisite: 2440:204 WAN Technologies OR Junior Standing and compliance with the repeat policy. This course provides students the basic theory and practical application of network monitoring and management skills.		
440	INTRUSION DETECTION	3 credits
Prerequisite: Junior/Senior standing and 2440:388 and 2440:340 with a grade of C or better. This course will introduce students to the various methods used to detect external and internal intrusion of computer systems.		
441	CYBER SECURITY	3 credits
Prerequisites: Junior/Senior standing and 2030:361, 2440:388 and 2440:340 with a grade of C or better. This course will address issues involving hacking, malware, social theories, protocols, firewalls, intrusion detection, the prevention and containment of intrusion incidents, the incident response process, and computer forensic examination.		
442	WIRELESS FORENSICS	3 credits
Prerequisite: Junior/Senior standing and a grade of C or better in 2440:340. The forensic identification and tracking of attacks on wireless networks and mobile communications devices.		
443	NETWORK FORENSICS II	3 credits
Pre-requisite: Junior/Senior standing or 2440:340 with a grade of C or better. Deployment, building and running an NSM operation using open source software and vendor neutral tools with the Linx Operating System		
450	APPLIED DATA MINING	3 credits
Prerequisite: 2030:345 and Junior/Senior standing. This course is designed to introduce the student to the central issues in business data mining.		
451	SENIOR PROGRAMMING PROJECTS	3 credits
Prerequisite: Senior Standing. This course is the capstone course where senior students will apply learned material by simulating a realistic work environment.		
452	CIS PRACTICUM	3 credits
Prerequisite: Permission. Provides students with experience in computer information systems operation and maintenance in the workplace. Practicum must be relevant to the specialization area.		
456	C++ PROGRAMMING II	3 credits
Prerequisite: 256. This course explores object-oriented programming through C++ program development at a more advanced level. Also considers Visual programming and connection to databases.		
465	DATA COMM & NETWORKING	3 credits

Prerequisite: Junior/Senior Standing. Introduces students to business data communication and networking concepts. The OSI model, various network configuration and popular industry communication protocols are explored at an advanced level.

470 DATABASE MANAGEMENT II 3 credits

Prerequisite: 2440: 180. Covers advanced database design, definition, manipulation, and administration tasks with emphasis placed on the relational model, the object-oriented model, and client/server systems.

480 CT: COMPUTER INFO SYSTEMS 3 credits

Prerequisite: permission. Seminar in topics of current interest in information technology or special individual topics in information technology.

490 CIS SENIOR NETWORKING PROJECTS 3 credits

Prerequisites: 2440:388; and at least two of: 2440:310, 2440:400, 2400:401 or 2440:402 and compliance with the repeat policy, or permission. This course is used to research, document and implement current and advanced IT topics beyond the scope of what was learned in the prior CIS courses.

101	ESSENTIALS OF MARKETING TECH	3 credits
	Survey of marketing including its environment, buyer behavior, target market selection, product decision, distribution decisions, promotion decisions, pricing decisions and marketing management.	
202	RETAILING FUNDAMENTALS	3 credits
	Presents basic principles and practices of retailing operations, including site selection, buying, pricing and promotion practices. Use is made of extensive projects and investigations and actual retail operations.	
203	PRINCIPLES OF ADVERTISING	3 credits
	Prerequisite: 2520:101 or 6600:205. Focuses on principles and functions of advertising, creation and evaluation of advertisements, research of target market, message selection strategy, and media placement options.	
204	SERVICES MARKETING	3 credits
	Prerequisites: 203 and 212. Corequisites: 202. Focuses on quality customer service and its role in marketing. Evaluation of customers' needs and expectations, interpretation of customer data and creation of service strategies.	
206	RETAIL PROMOTION & ADVERTISING	3 credits
	Prerequisite: 2520:202 or permission. Studio course in retail display and promotion techniques. Window, interior and point of purchase categories; principles of design as applied to commercial art; function in visual design, elements of design, color theory, lettering, printing process, layout to camera-ready art.	
212	PRINCIPLES OF SALES	3 credits
	Prerequisite: 101 or permission. Study of basic principles of selling, emphasizing individual demonstrations and sales projects. Includes review of sales function as integral part of marketing process.	
221	MARKETING PROJECTS	3 credits
	Prerequisite: 2520:203. Students will prepare marketing projects by applying knowledge and skills learned in previous marketing courses.	
240	MARKETING INTERNSHIP	3 credits
	Prerequisites: 101, 203, 202, 212. On-the-job work experience in a marketing environment in which students apply learned skills and concepts to practical business situations. Periodic reports and projects required as appropriate.	
254	SALES MANAGEMENT TECHNOLOGY	3 credits
	Prerequisite: 2520:212. Process relating to the formulation, implementation, and control of a strategic sales program. Students will learn how to select, evaluate, and motivate a sales force.	
290	ST: MARKETING & SALES	1-3 credits
	(May be repeated for a total of four credits) Prerequisite: permission. Selected topics or subject areas of interest in sales and merchandising.	

119	BUSINESS ENGLISH	3 credits
	Prerequisite: placement test. Fundamentals of English language with emphasis on grammatical correctness, acceptable usage, spelling and punctuation. Limited writing primarily involves choice of precise words and effective sentence structure with some attention to paragraph development.	
121	INTROD TO OFFICE PROCEDURES	3 credits
	Introduction to concepts regarding role of office worker, human relations, communications, productivity, reference materials, technological advances in processing information and employment opportunities.	
123	MICROSOFT OUTLOOK	2 credits
	Prerequisite: placement by adviser. An introduction to Microsoft Outlook software. Students will learn how to use Outlook for email, contacts, calendaring, making appointments, and instant messaging.	
136	SPEECH RECOGNITION TECHNOLOGY	2 credits
	Prerequisite: placement by adviser. Course will present the features of speech-recognition software to assist students to increase their productivity at computer tasks while improving their communication skills.	
138	PROJECT MANAGMENT	2 credits
	Prerequisite: placement by adviser. Introductory course that examines elements of projects and project management terminology. Also provides an understanding of Microsoft Project software for managing and evaluating projects.	
143	MICROSOFT WORD-BEGINNING	2 credits
	Introduction to word processing software and personal computers as a tool for personal and business communications using Microsoft Word software.	
144	MICROSOFT WORD - ADVANCED	2 credits
	Prerequisite: 143 or permission. Intermediate and advanced skills of Microsoft Word to include tables, importation of spreadsheets, outlines, advanced file management, macros, merges, labels and graphics.	
243	INTERNSHIP: OFFICE ADMINISTRN	2-3 credits
	Prerequisites: 119; 121; 129; 253; 263; 270; and 281. Work experience in an office environment related to the student's degree major. Application of office administration skills/knowledge.	
253	ADVANCED WORD PROCESSING	3 credits
	Prerequisites: 151; Wayne College students: 2540:151 or 144. To increase student's ability to produce office documents on computers. Minimum requirement: 50 wpm with maximum of 5 errors for 5 minutes.	
256	MEDICAL OFFICE PROCEDURES	3 credits
	Prerequisite: 2740:120. Simulates a professional medical office which employs the student to perform office administration duties and manage office information and finances on specialized computer software.	
279	LEGAL OFFICE PROCEDURES	4 credits
	Prerequisite: 2540:121, 144. Provides an understanding of various facets of the law, when and how to use documents, important legal procedures and typical office routine.	
282	MEDICAL MACHINE TRANSCRIPTION	3 credits
	Prerequisite: 2540:256. Introduction to medical terminology. Emphasis on meaning, pronunciation, spelling and application of common medical terms, abbreviations, stems and suffixes as related to the human body in computerized transcription. Speed, accuracy, and proofreading skills emphasized.	
284	OFFICE NURSING TECHNIQUES I	2 credits
	Prerequisite or corequisite: 2740:120. Provides theory and practice in nursing duties most often performed in a physician's and dentist's office. These include temperature, pulse and respiration reading; and taking blood pressure.	
289	CAREER DVLPMT FOR BUS PROFESS	3 credits
	Fundamentals of job search technique, professional image development and personal and interpersonal dynamics within the business environment.	
290	ST: SECRETARIAL SCIENCE	0.5-3 credits
	(May be repeated for a total of four credits) Prerequisite: permission. Selected topics or subject areas of interest in office administration.	

100	INTRO ENGINEERING TECHNOLOGY	2 credits
	This introductory course stresses skills needed for academic success. Discussion of fields in engineering technology, job searches, calculators, and data measurement and analysis are included.	
105	BASIC CHEMISTRY	3 credits
	Prerequisites: 2010:052 with a grade of C or better, or math placement test. Elementary treatment of facts and principles of chemistry emphasizing biological application. Elements and compounds important in everyday life, biological processes and medicine. Introduction to laboratory techniques. Primarily for medical assistant, criminal justice and allied health students. Laboratory.	
110	PHYSICAL SCIENCE FOR TECHNICNS	3 credits
	Elementary presentation of theory and facts of general chemistry and physics (excluding electricity). Includes atomic structure, chemical reactions, energy, electromagnetic radiation, sound and mechanics.	
111	INTRODUCTORY CHEMISTRY	3 credits
	Corequisite: 2030:152. Facts and theories of general chemistry. Elements and compounds and their uses. Elementary treatment of atomic structure, gaseous state, periodic table, water, solutions. Laboratory.	
112	INTRO & ANALYTICAL CHEMISTRY	3 credits
	Prerequisite: 111 or permission. Chemical equilibria, ionization, radioactivity. Properties of selected metals and nonmetals. Introduction to organic chemistry. Basic concepts of qualitative analysis. Identifications of cations and anions. Laboratory.	
131	SOFTWARE APPLICATION TECHNOLOGY	1 credits
	Prerequisite: 2030:151. Word processing, spreadsheets, databases, and internet applications in engineering technology. Computer basics also. Limited to students in Engineering & Science Technology Department programs. Laboratory.	
150	MANUFACTURING PHYSICS	4 credits
	Prerequisite: Admission to the Manufacturing Engineering Technology program. Corequisite: 2030:154. Applications of physics to manufacturing including two dimensional motion, vectors, forces, statics, torque and simple electronic circuits. Laboratory.	
160	TECHNICAL PHYSICS: MECHANICS	4 credits
	Corequisite:2030:154. Applications of mechanics which include one and two dimensional motion, vectors, forces, equilibrium, work, power, conservation of energy, rotational motion & torque. Laboratory	
161	TECHNICAL PHYSICS: MECHANICS I	2 credits
	Corequisite: 2030:153. Principles of mechanics that include motion, vectors, forces, equilibrium; also significant figures and unit conversions. Laboratory.	
162	TECHNICAL PHYSICS: MECHANCS II	2 credits
	Prerequisites: 161, 2030:153. Principles of mechanics that include work, power, conservation of energy, rotational motion, torque. Laboratory.	
163	TECH PHYSICS: ELECT & MAGNETSM	2 credits
	Prerequisites: 2820:160 & 2030:154 (C- or better in both). Principles and applications of electricity and magnetism. Electrostatics, DC circuits, magnetism, electromagnetism, and AC circuits. Laboratory.	
164	TECH PHYSICS: HEAT & LIGHT	2 credits
	Prerequisites: 2820:160 and 2030:154 with a C- or better in 160. Principles and applications of heat and light: heat energy, thermodynamics, electromagnetic waves, geometric and physical optics, introduction to quantum mechanic, and radiation.	
290	ST: GENERAL TECHNOLOGY	1-4 credits
	Prerequisite: Permission. Selected topics of subject areas of interest in General Technology. (May be repeated for a total of eight credits.)	
310	PROGRAMMING FOR TECHNOLOGISTS	2 credits
	Prerequisites: 131 and 2030:255. A study of a technical programming language with applications in engineering technology. Limited to students in Engineering & Science Technology Department programs.	

100	INTRODUCTION TO CORROSION TECH	2 credits
Prerequisite: 2030:151 or higher. Analysis of material selection and environmental conditions on corrosion; review of corrosion types, environments and characteristics of structural materials; economic impact, control methods are explored.		
120	CORROSION ENGIN TECH FUND I	3 credits
Corequisite: 2820:111. Introduction to corrosion engineering topics including economic impacts of corrosion, types of corrosion, their recognition and prevention, parameters affecting corrosion, and methods of corrosion control.		
121	CORROSION ENGIN TECH FUND II	4 credits
Prerequisite: 2850:120. Basic understanding of steps and methods required for combating corrosion including proper design, material selection, protective coating application, inhibitors use, and cathodic and anodic protection.		
200	ADVANCED CORROSION TECHNOLOGY	3 credits
Prerequisite: 2850:100. Study of corrosion control methods through design, materials selection, protective coatings, cathodic and anodic protection; corrosion testing and monitoring; diagnosis of corrosion failures; selection of treatment options; corrosion data analysis		
220	STRAT FOR CORROSION PREVENTION	4 credits
Prerequisite: 2850:121. Corequisite: 2820:163. This course focuses on the control of corrosion by applying coatings and cathodic protection.		
221	CORROSION ENGIN TECH PROJECTS	4 credits
Prerequisite: 2850:220. Course focuses on corrosion/failure analysis and corrosion mitigation, and discussion of regulatory compliance and resource acquisition and allocation.		

120	CIRCUIT FUNDAMENTALS	4 credits
Prerequisite: 2030:152 or permission. SI units, current, voltage, resistance, Ohm's Law, circuit analysis, network theorems, computer simulation, inductor, capacitor, RLC dc analysis, transients, laboratory support of circuit concepts, ac introduction.		
121	INTRO: ELECTRONICS & COMPUTERS	2 credits
Prerequisite: 2030:151 or placement. Corequisite: 2860:120. Supporting 2860:120 Circuit Fundamentals, this course introduces students to computers and software, technical communications, laboratory practices, and to the electronics industry.		
122	AC CIRCUITS	3 credits
Prerequisite: 120; corequisites: 2030:154. Sinusoidal voltage and current, reactance and impedance, methods of AC circuit analysis, AC power, transformers, AC meters and oscilloscopes, dependent and independent sources.		
123	ELECTRONIC DEVICES	4 credits
Prerequisite: 120. Physical theory, characteristics and operational parameters of solid-state devices. Analysis and design of electronic circuits incorporating these devices, utilizing characteristic curves and linear modeling.		
210	INDUSTRIAL CONTROL PANEL FAB	2 credits
Prerequisite: 2030:152. This course will introduce students to shop fabricating skills involved in the creation of electrical control panels using mechanical and electrical fabricating tools.		
225	APPLS OF ELECTRONIC DEVICES	4 credits
Prerequisite: 123, 2030:154. Frequency response, filter concepts, electronic amplifiers, power amplifiers, multistage amplifiers, differential amplifiers, operational amplifiers, voltage regulators, feedback and oscillators, special devices, computer simulation analysis.		
237	DIGITAL CIRCUITS	4 credits
Prerequisites: 2860:123. Devices used in logic circuits, interfacing, combinational logic, arithmetic circuits, encoders, multiplexers, programmable logic devices, flip-flops, counters, shift registers, computer modeling of digital circuits.		
238	MICROPROCESSOR APPLICATIONS	4 credits
Prerequisite: 237. Programmable logic devices, computer modeling of digital circuits, memory circuits. Computer architecture, programming the microprocessor, microprocessor hardware, microprocessor applications, parallel I/O and programmable timers.		
242	MACHINERY & CONTROLS	3 credits
Prerequisites: 120, 121 or 370 (previously 270). Study of DC and AC motors and generators and their control. Fundamentals of power transformers. Three-phase distribution and motor control. Principles of industrial electronic devices.		
251	ELECTRONIC COMMUNICATIONS	4 credits
Prerequisite: 225. Resonance, coupling, filters, oscillators, mixers, power amplifiers, AM, FM, receivers.		
260	ELECTRONIC PROJECT	2 credits
Prerequisites: final semester or permission and 2940:210. Design, construction, and testing of an electronic circuit of choice. Progress reports, oral, and a formal written report required. Discussion of electronic design, fabrication, and troubleshooting techniques.		
290	ST: ELECTRONIC ENGR TECHNOLOGY	1-4 credits
Prerequisite: permission of instructor. Directed study in a special field of interest chosen by the student in consultation with the instructor(may be repeated for a total of six credits).		
310	NATL ELEC CODE & SYS DESIGN	3 credits
Prerequisite: 2860:122 or 2860:370. This course provides students with the skills necessary to apply the National Electrical Code (NFPA 70) to the design and installation of electrical systems and circuits.		
350	ADVANCED CIRCUIT THEORY	3 credits
Prerequisite: 251. Corequisite: 2030:356. Nodal, mesh, Thevenin, and dependent sources in resistive circuits. Inductor and capacitor as time domain elements. First- and second-order circuit analysis. Phasor analysis. Operational amplifier analysis.		
352	MICROCONTROLLERS	4 credits
Prerequisite: 238; corequisite: 350. Using a typical microcontroller, study its architecture, program it, use subroutines and interrupts, use it in various applications, utilize various on-board modules including analog-to-digital, and timers.		
354	ADVANCED CIRCUITS APPLICATIONS	3 credits
Prerequisites: 350, 2030:356. Introduction to calculus based circuit analysis. Emphasizing Laplace transforms in operational circuit analysis, transfer functions, impulse function, Bode diagrams, Fourier Series.		
360	VIRTUAL INTR & DATA AQUISION	3 credits
Prerequisites: 2860:122 and 2860:370. An introduction to instrumentation, data acquisition (DAQ) and graphical programming used in manufacturing and laboratory environments.		

370	SURVEY OF ELECTRONICS I	3 credits
Prerequisite: 2820:163. Fundamentals of DC and AC electrical circuits and rotating machinery. For non-Electronic Engineering Technology majors.		
371	SURVEY OF ELECTRONICS II	3 credits
Prerequisite: 370. Survey of the most commonly used solid state circuit components including typical applications. Introduction into digital circuits and microprocessor applications. For non-Electronic Technology majors.		
400	COMPUTER SIMULATIONS IN TECH	3 credits
Prerequisites: 354, 2030:345. Introduce the use of software widely used in industry to simulate and study electrical circuits and signals. Methods of data sampling, management and presentation will be studied.		
406	COMMUNICATION SYSTEMS	3 credits
Prerequisites: 251 and 354. Digital communications, transmission lines, waveguides, microwave devices and antennas.		
420	BIOMED ELECTRONIC INSTRTN	3 credits
Prerequisite: 354. Introduction to electrical signals from the body, transducers, recording devices, telemetry, microprocessor applications, and electrical safety of medical equipment.		
451	INDUSTRIAL ELECTRICAL SYSTEMS	3 credits
Prerequisites: 354. Electric power, industrial nameplates, power factor correction, mutual inductance, linear transformers, power transformers, polyphase systems, per-phase analysis, system grounding, protective device coordination computer-aided analysis.		
453	CONTROL SYSTEMS	4 credits
Prerequisites: 354, 2870:301. Modeling and responses of closed-loop systems. Laplace transforms, root-locus analysis. Stability, compensation, digital control, optimal control. Digital computer in system simulation and design.		
455	SENIOR PROJECT	2 credits
Capstone experience consisting of Electrical or Electronic Project emphasizing creative technical analysis or design and presentation.		
490	ST: ELECTRONIC ENGR TECHNOLOGY	1-4 credits
Prerequisite: permission of instructor. Directed study in a special field of interest chosen by the student in consultation with the instructor (may be repeated for a total of six credits).		
497	SR HONORS PROJ: ELECTRON TECHN	1-3 credits
(May be repeated for a total of six credits) Prerequisites: senior standing in Honors Program, permission of department preceptor and major in electronic technology. Independent research leading to completion of Senior Honors Thesis or other original work.		

301	COMP CNTRL AUTOMATED SYS	3 credits
	The development of computer based systems and computer programs using robotics and machine controllers as the solutions for automated manufacturing problems.	
311	FACILITIES PLANNING	3 credits
	Prerequisite: 2940:180 or 2940:210 or permission. An application based study of facilities analysis, design and layout utilizing software based solutions.	
332	MGMT OF TECH BASED OPERATIONS	3 credits
	A study of the techniques and knowledge necessary to effectively manage technical personnel.	
348	CNC PROGRAMMING I	3 credits
	Prerequisites: 2030:154 and [2880:248 or 2920:121]. Introduction to CAM (Computer Aided Manufacturing) based CNC (Computer Numerical Control) programming; development of milling, drilling, and turning programs.	
441	ADVANCED QUALITY PRACTICES	3 credits
	Prerequisites: 2880:241 or permission. Specific quality assurance procedures will be developed conceptually, proven mathematically, and then tested in lab exercises. Industry accepted SQC software will be used.	
448	CNC PROGRAMMING II	3 credits
	Prerequisite: 2870:348. The study of advanced CNC programming techniques utilizing an industry standard CAM programming software package and CNC program verification software.	
470	SIMULATION OF MFG SYSTEMS	3 credits
	Prerequisite: 2880:211. Computer simulation solutions applied to the traditional manufacturing problems of equipment justification production line balancing, and capacity planning.	
480	AUTOMATED PRODUCTION	3 credits
	Prerequisites: 2880:211 or senior status. A study of the automated production system. The various systems studied thus far, CNC, robotics, automated machines via PLCs, and facilities design, are integrated and analyzed from a production standpoint. The issues of line balance, reliability, queue sizing, and personnel matters are included.	
490	MANUFACTURING PROJECT	2 credits
	Prerequisite: Senior status. Advanced CAD/CAM topics are presented. A comprehensive project is undertaken.	
495	INDIV INVEST MANUFAC ENGR TECH	2 credits
	Selected topic(s) that provide for specific individual study in the area of manufacturing engineering technology under the direct supervision of a faculty member.	
496	ST: MANUFACTURING ENGR TECH	1-3 credits
	Prerequisite: permission. Selected topic(s) that provide for specific course work in the area of manufacturing engineering technology offered once or only occasionally in areas where no formal course exists.	
499	W: MANUFACTURING ENGINR TECH	1-3 credits
	Prerequisite: permission. Group studies of special topics in manufacturing engineering technology.	

100	BASIC PRINCIPLES OF MFG MGMT	4 credits
A survey of basic concepts of management and their interrelationships to a manufacturing environment. Includes production control, quality control, work measurement, and employee motivation.		
101	INTRO ADVANCED MANUFACTURING	2 credits
This course defines advanced manufacturing and provides students with an overview of the knowledge, skills, and abilities necessary to succeed in an advanced manufacturing career.		
110	MANUFACTURING PROCESSES	3 credits
Study of the machines, methods, and processes used in manufacturing.		
130	WORK MEASUREMENT & COST ESTIM	3 credits
Prerequisite: 2030:152. Time and motion study. Development of accurate work methods and production standards, and their relationship to manufacturing cost estimates.		
140	COMPUTER AIDED DRAWING	3 credits
Drafting procedures and techniques used for creating drawings using AutoCAD software. Topics include basic components, drawing, editing, dimensioning, layers, text, blocks, plotting, and hatch.		
151	INDUSTRL SAFETY & ENVIR PROTEC	2 credits
A contemporary overview of the science and management of occupational health and safety programs, policies, and procedures in an industrial and business type environment.		
201	ROBOTICS & AUTOMATED MFG	3 credits
Prerequisite: 100 or permission of instructor. Study of manufacturing automation and the computer-based products and processes available for this task. Robots, machine controllers, and machine/process interfaces are investigated.		
211	MANUFACTURING OPERATIONS	3 credits
A study of all functions involved in a manufacturing production system. Areas covered include product design, forecasting, capacity planning, scheduling, materials management, and project management.		
225	COMPUTER AIDED TOOL DESIGN	3 credits
Prerequisites: 2880:140 or 2920:121. The study of standard tool design practices and procedures utilizing industry-standard computer-aided design software.		
230	3-D MODELING & DESIGN	3 credits
Prerequisite: 2940:210. This course covers advanced topics in the use of AutoCAD. These topics include 3-D modeling. Laboratory.		
232	LABOR MANAGEMENT RELATIONS	3 credits
Prerequisite: 100. Study of historical background of labor movement, management viewpoints, legal framework for modern labor organizations and collective bargaining process.		
241	INTRODUCTION TO QUALITY ASSURA	3 credits
Prerequisite: 2030:152. Theory and practice of inspection and sampling techniques for measurement of quality, QC charts, sampling plans, mill specs, checking machine capabilities, and setting tolerances.		
248	INTRO CNC AND ADDITIVE MANUFAC	3 credits
Prerequisites: 2030:153 and [2880:140 or 2920:121] or permission. This course provides an overview of CNC manual programming utilizing the G-code programming language along with an introduction to additive manufacturing processes.		
290	ST: INDUSTRIAL TECHNOLOGY	1-2 credits
(May be repeated for a total of four credits) Prerequisite: permission. Selected topics or subject areas of interest in industrial technology.		

100	SURVEY OF MECHANICAL ENGR TECH	2 credits
	Overview of the Mechanical Engineering Technology degree programs; pre-testing; career opportunities; professional societies & certification; standards; and useful tools of the MET field.	
101	INTRO TO MECHANICAL DESIGN	3 credits
	Prerequisite: 2880:140 or 2920:121. Corequisite: [2880:230 or 2920:100] and 2030:154. Topics in engineering drawing: conventions, sections, dimensioning and tolerancing. Detail drawings, subassembly and assembly drawings. Manufacturing processes. Descriptive geometry. Drawing mechanical components.	
121	FUNDAMENTALS OF ENGR DRAWING	3 credits
	Fundamentals of engineering drawing using freehand sketching and CAD; orthographic and isometric projections, sectioning, assemblies, and introduction to geometric dimensioning and tolerancing. Laboratory.	
130	INTRO TO HYDRAULICS & PNEUM	3 credits
	Principles of hydrostatic forces, pressure, density, viscosity, incompressible and compressible fluids. Principles of hydraulic and pneumatic devices and systems.	
142	INTRO TO MATERIAL TECHNOLOGY	3 credits
	Fundamental properties of materials. Material testing. Applications of methods to control material properties.	
243	KINEMATICS	3 credits
	Prerequisite: 2990:125; Corequisite: 2920:101. Study of rigid-body motions of simple linkages, cams, gears, and gear trains. Vector solutions emphasized. Industrial applications presented and computers used to analyze mechanisms.	
245	MECHANICAL DESIGN II	5 credits
	Prerequisites: 2940:210, 2990:225; Corequisite: 2920:142, 243. Design of machine elements: springs, shafts, fasteners, welded joints. Combined stress and fatigue analysis. Design projects. Experimental stress analysis.	
249	APPLIED THERMAL ENERGY I	2 credits
	Prerequisites: 2030:255, 2820:164. Thermodynamic principles. Study of power cycles. Applications in I.C. engines, compressors, steam power cycles, refrigeration.	
251	FLUID POWER	2 credits
	Prerequisites: 2820:160, 164. Statics and dynamics of fluids. Viscosity, energy and momentum relationships. Fluid machinery and measurements.	
252	THERMO-FLUIDS LABORATORY	1 credits
	Prerequisite: 251; corequisite: 249. Laboratory experiments in applied thermal energy and fluid power.	
290	ST: MECHANICAL ENGR TECHNOLOGY	1-3 credits
	(May be repeated for a total of four credits) Prerequisite: permission. Selected topics or subject areas of interest in Mechanical Engineering Technology.	
310	ECONOMICS OF TECHNOLOGY	3 credits
	Prerequisite: 64 credits or permission. Economic principles as they pertain to technology. Equivalence, alternatives, costs, depreciation, valuation. Project studies.	
344	DYNAMICS	3 credits
	Prerequisites: 243; 2030:255; 2990:125. Introduces particle dynamics, displacement, velocity, and acceleration of constrained rigid bodies in plane motion. Kinetics of particles and rigid bodies, work and energy, mechanical vibration.	
346	MECHANICAL DESIGN III	4 credits
	Prerequisites: 344, 245; 2820:310. Continuation of design of mechanical components: gears, bearings, brakes, and clutches. Special topics presented will be coordinated with assigned design projects.	
347	PRODUCTION MACHINERY & PROCESS	3 credits
	Prerequisites: 2030:255 & [2880:110 or 2920:142] or permission. Study of manufacturing processes (casting, forging, welding, forming sheet metal), integrating material technology, mechanical design, and mechanics of materials.	
365	APPLIED THERMAL ENERGY II	3 credits
	Prerequisites: 249, 251, 2030:255. Review and application of basic thermodynamic principles used in designing automotive engines and refrigeration equipment. Introduction to heat transfer, heating, ventilation, and air conditioning.	
370	PLASTICS DESIGN & PROCESS	3 credits
	Prerequisites: 2820:111 or higher. Introduction to structure and properties of polymers, selection based on properties and cost, design of products and tools, basic principles of the major processes.	
402	MECHANICAL PROJECTS	1 credits
	Prerequisite: senior standing. Individual projects emphasizing creative technical design.	
405	INTRO TO INDUST MACH CONTROL	3 credits

Prerequisite: 2860:370 (previously 270). Principles and design of industrial machine control systems. Application oriented study of typical control devices. Utilization of programmable controllers as the system logic controllers.

470 PLASTICS PROCESS & TESTING 2 credits

Prerequisites: 370 or permission. Use of basic polymer testing methods. Setup and operation of modern molding and extrusion equipment. Basic troubleshooting procedures. Study of processing effects on final properties.

490 MECH ENGR TECH SENIOR SEMINAR 1 credits

Prerequisite: Senior Standing. An opportunity for post-testing of all MET students and the presentation of social and professional responsibilities, diversity, professional certification, life-long learning, and career opportunities.

497 SR HNR PRJCT IN MECH ENGR TECH 1-3 credits

(May be repeated for a total of six credits) Prerequisites: senior standing in Honors Program, permission of area honors preceptor and major in mechanical technology. Independent research leading to completion of senior honors thesis or other original work.

498 INDP STUDY: MECH ENGR TECH 1-4 credits

Prerequisite: department permission. Directed study in a special field of interest chosen by the student in consultation with the instructor (may be repeated for a total of six credits).

122	TECHNICAL DRAWING II	3 credits
Prerequisite: 121, 210. Covers dimensioning; allowances and tolerances; geometric tolerancing; threads and fasteners; descriptive geometry; intersections; developments; and computer applications. Laboratory.		
150	DRAFTING DESIGN PROBLEMS	2 credits
Prerequisite: 2030:152. Introductory course in basic concepts in engineering technology computations. A study of technical terminology and applied mathematics.		
180	INTRODUCTION TO CAD	1 credits
Drafting techniques using AutoCAD. Topics include drawing, editing, dimensioning, plotting, layers and text. Credit not applicable toward the AAS in Drafting and Computer Aided Drafting Technology. Laboratory.		
200	ADVANCED DRAFTING	3 credits
Prerequisite: 122. Principles of descriptive geometry applied to practical problems pertaining to the civil and mechanical fields of technology. Laboratory.		
230	MECHANICAL SYSTEMS DRAFTING	3 credits
Prerequisite: 122. Drawing fundamentals and terminology of welding, gears, cams, piping, sheet metal, and fluid power drawings. Laboratory.		
240	ELECTRICAL & ELECTRONIC DRFTG	3 credits
Corequisite: 122. Drafting fundamentals, terms, and symbols required for electrical, electronics, and instrumentation drawings. Included are interconnecting diagrams, PC boards, and architectural and industrial plans. Laboratory.		
245	STRUCTURAL DRAFTING	2 credits
Prerequisite: 2920:121, 2940:210 or equivalent. Duties of the structural draftsman in preparation of detailed working drawings for steel and concrete. Emphasis on portrayal, dimensions, and notes on a working drawing. Laboratory.		
250	ARCHITECTURAL DRAFTING	3 credits
Prerequisite: 2920:121. Drawing fundamentals, terminology, and symbols for developing a set of basic construction plans and details. Included also are presentation drawings and interior and exterior planning. Laboratory.		
260	DRAFTING TECHNOLOGY PROJECT	3 credits
Prerequisite: Completion of 20 credits of 2940. Provides opportunity to research and develop a specific drafting project within chosen field of interest.		
290	ST: DRAFTING TECHNOLOGY	1-3 credits
(May be repeated for a total of three credits) Prerequisite: permission. Selected topics on subject areas of interest in drafting technology.		

100	INTRODUCTION TO GEOMATICS	2 credits
An introductory course into the field of surveying and mapping technology. Integrated topics include: types of surveys, cartography, and geographic information systems.		
101	BASIC SURVEYING	3 credits
Corequisites: 2030:153. Care and use of basic surveying field instruments and the basic computations and adjustments necessary to post process the field survey measurements. Field Practice.		
102	TOPOGRAPHIC SURVEYING	2 credits
Prerequisites: 101 and 2030:153. Computations and adjustments of field survey measurements using both conventional and computer methods. Development of maps and plans stressed. Field Practice.		
122	ELEMENTARY SURVEYING	3 credits
Elementary surveying for non-surveying and construction majors. Basic tools and computations. Field practice.		
123	SURVEYING FIELD PRACTICE	2 credits
Prerequisite: 102 or equivalent. Practical experience in use of surveying equipment and methods of surveying. Provides students with responsibility for making decisions and planning and directing complete project.		
155	COMPUTER APPLICTN IN SURVEYING	3 credits
Use of current surveying software to solve typical problems/projects in surveying technology.		
170	SURVEYING DRAFTING	3 credits
Corequisite: 2030:152 or permission. Drafting procedures, techniques, and tools required for the various phases of survey office work. Projects include topographic maps, plan and profile drawings, and cross-section drawings. Laboratory.		
222	CONSTRUCTION SURVEYING	3 credits
Prerequisite: 2980:101; Corequisite: 2940:210. Methods and procedures for establishing line and grade for construction. Circular and parabolic curves. Cross-sectioning methods and earthwork., communication and plan reading.		
223	GEOSPATIAL TECHNOLOGIES	3 credits
Introduction to current and emerging geospatial technologies, such as Geographic Information Systems, remote sensing and global positioning systems, and exploring mapping data sources. Laboratory required.		
225	ADVANCED SURVEYING	3 credits
Prerequisite: 228. Introduction to topographic mapping, flood maps, and ALTA surveys. Advanced topics in control surveys, State Plane Coordinates, and bearings from celestial observations. Field practice.		
228	BOUNDARY SURVEYING	3 credits
Prerequisites: 2980:101 or equivalent. Analysis of evidence and procedures for boundary location; establishing and/or locating points for boundary and mortgage location surveys; plat preparation. Ohio survey minimum standards.		
251	CST SEMINAR	1 credits
Prerequisite: 2980:222. Prepares students for the National Society of Professional Surveyors Certified Surveying Technician (CST) Level I Examination. Examination is given at the end of the review sessions.		
310	SURVEY COMPUTATIONS & ADJUST	2 credits
Prerequisite: 2980:225. Concepts relating to measurement error, probability, and reliability. Computation and adjustment of horizontal and vertical networks.		
315	BOUNDARY CNTRL & LGL PRIN	3 credits
Prerequisite: 2980:228. Historical development of boundaries, rectangular system of public land surveys, systems to describe property, surveyor's responsibility to understand and properly apply legal principles to boundary.		
325	OSHA SAFETY REQ FOR SURVEYORS	1 credits
To provide OSHA safety training and certification required for surveying companies.		
330	APPLIED PHOTOGRAMMETRY	3 credits
Prerequisite: 2980:155. An introduction to metrical and quantitative photogrammetry using both hard- and soft-copy systems. Laboratory.		
335	THE BUSINESS OF SURVEYING	2 credits
A course focused on the business aspects of surveying, including development of business plan components for a company offering professional surveying and mapping services.		
340	CADASTRAL SURVEYING	2 credits
Prerequisites: 2980:101. A study of the official surveys of the United States. Cadastral surveys establish or recreate boundaries and /or tracts of land.		
415	LEGAL ASPECTS OF SURVEYING	3 credits
Prerequisite: 315. A study of statute and common law related to land surveying. Evidence and the surveyor's role in the judicial process. Interpreting and writing land descriptions.		

420	ROUTE SURVEYING	3 credits
	Prerequisite: 225. Surveying for long but narrow strips of land such as highways, railroads, and pipe lines. Course includes all requisite calculations and drawings.	
421	SUBDIVISION DESIGN	3 credits
	Prerequisites: 2980:155, 2980:222, and 2980:315. Site analysis, land use controls, and plotting procedures. Laboratory includes preparation of various types of projects leading to a complete subdivision.	
422	GPS SURVEYING	3 credits
	Prerequisites: 225, 2985:101 or permission. Introduction to the Global Positioning System (GPS). Course includes the planning, data collection, and processing of GPS data.	
425	LAND NAVIGATION	3 credits
	Interpretation and use of topographic maps. Study of basic map elements with emphasis on identification of features and coordinate systems. Map use for land navigation.	
426	HISTORY OF SURVEYING TO 1785	2 credits
	A history of land surveying. Emphasis on the development of survey procedures through history. Part I (to 1785) covers the ancient world to the colonial period.	
427	OHIO LANDS	2 credits
	Study of the history of the original Ohio Land Subdivisions	
428	HIST OF SURVEYING SINCE 1785	2 credits
	A history of land surveying. Emphasis on the development of survey procedures through history. Part II (Since 1785) covers the history of the United States to date.	
430	SURVEYING PROJECT	3 credits
	Prerequisite: senior standing and permission. Provides opportunity to research and develop a specific surveying project within chosen area of surveying. Oral, written and graphical presentation of completed project(s).	
431	SENIOR SEMINAR	2 credits
	Prerequisite: Senior standing. Students demonstrate knowledge and skills acquired as surveying majors through assessment testing and review of professional licensure laws. Preparation for national exams.	
445	APPLICATIONS IN GIS USING GPS	3 credits
	Prerequisite: 2985:101. Advanced instruction in GIS applications using GPS as well as other surveying and mapping methods. Laboratory.	
450	TOPICS: PROFESSIONAL PRACTICE	2 credits
	Prerequisite: Junior standing. Topics in applicational areas of surveying from the point of view of the practitioner and the consumer of land-related data.	
489	ST: SURVEYING	1-3 credits
	Prerequisite: permission. Special lecture/laboratory courses offered once or only occasionally in areas where no formal course exists. (May be repeated for a maximum of six credits.)	
490	W: SURVEYING	1-3 credits
	Prerequisite: permission. Group study of special topics in surveying. May not be used to meet undergraduate major requirements in surveying. May be used for elective credit only. (May be repeated for a maximum of six credits.)	
495	INTERNSHIP:SURVEYING & MAPPING	3 credits
	Prerequisite: 64 hours in program and permission from program director. Supervised work experience in surveying and mapping to increase student understanding of surveying and mapping technology.	
497	SURVEYING HONORS PROJECT	3 credits
	Prerequisites: Senior Studies as an honor student. Provides opportunities to research and develop a specific surveying project within chosen area of surveying. Oral, written , and geographical presentation of completed projects.	
498	INDEPENDENT STUDY	1-3 credits
	Prerequisites: permission of instructor. Directed study in a special field of interest chosen by student in consultation with instructor (may be repeated for a total of six credits).	

101	INTRO TO GEOG & LAND INFO SYST	3 credits
	Introduction to the principles and concepts of Geographic and Land Information Systems used in surveying and mapping applications. Laboratory.	
151	GIS ESSENTIAL SKILLS	3 credits
	Prerequisite: 2985:101. Continued instruction and hands-on emphasis on common skills used in the GIS industry. Skills: Creating reference maps, geocoding, digitizing, reports and mapbooks. Laboratory.	
201	INTERMED GEOG & LAND INFO SYS	3 credits
	Prerequisite: 2985:101. Continued instruction in the hands-on technical applications of Geographic and Land Information Systems. Laboratory.	
205	BUILDING GEODATABASES	3 credits
	Prerequisite: 2985:101 or equivalent. Introduction and application of spatial geodatabases. The student will create, use, and manage geodatabases. Geodatabases are used for storing spatial and attribute data. Laboratory.	
210	GEOG & LAND INFO SYS PROJECT	3 credits
	Prerequisites: 2985:101. Practical application and presentation techniques using the principles and concepts of cartography and geographic information systems. Laboratory.	
280	TOPICS: PROFESSIONAL PRACTICE	2 credits
	Topics in applicational areas of Geographic and Land Information Systems (GIS/LIS) from the point of view of the practitioner and the consumer.	
290	ST: GEOGRAPHIC & LAND INFO SYS	1-3 credits
	Special lecture/laboratory courses offered once or only occasionally in areas where no formal course exists.	
291	GEOG & LAND INFO SYS INTERNSHP	3 credits
	Prerequisite: Permission of Program Director. Supervised professional experience in GIS/LIS agencies or related setting.	
295	WORKSHOP: GEOG & LAND INFO SYS	1-3 credits
	Group studies of special topics in GIS/LIS. May be used for elective credit only to a maximum of three credits.	
299	INDEPENDENT STUDY	1-3 credits
	Directed study in a special field of interest chosen by the student in consultation with the instructor.	
301	EXPLORING ARCGIS EXTENSIONS	3 credits
	Prerequisite: 2985:101. Specialized instruction and laboratory exercises in working with the ArcGIS extensions, Spatial Analyst, 3-D Analyst and Network Analysis. Laboratory.	

125	STATICS	3 credits
Prerequisites: 2030:154 and 2820:160. This course covers forces, resultants, and couples. Equilibrium of force systems. Trusses, frames, centroid, moment of inertia, and friction.		
129	COMPUTER APPLS IN CONSTR	3 credits
This course introduces students to important computing skills for construction managers including software for estimating, scheduling, presentations, general business administration and graphics.		
131	BUILDING CONSTRUCTION	2 credits
Materials and methods used in construction. Encompasses buildings constructed with wood, steel, concrete or a combination of these materials.		
150	PLAN READING	2 credits
Prerequisite: 131. The language of construction. Symbols, scales, plan views, elevation views, sections and details. Quantity take-off estimation.		
225	STRENGTH OF MATERIALS	3 credits
Prerequisite: 125. Stress, strain and stress-strain relationships. Tension, compression, torsion, beams. Shear and moment diagrams. Combines stresses.		
226	CONSTRUCTION SUPERVISION	3 credits
Introduction to topics on construction supervision including planning, directing and coordinating onsite activities to build quality defined by drawings and specifications.		
234	ELEMENTS OF STRUCTURES	3 credits
Prerequisite: 125 and 225. Principles of stress and structural analysis, concepts of steel, timber design, and reinforced concrete.		
235	CONSTRUCTION INSPECTION	3 credits
Prerequisite: 2990:131. Fundamentals of total quality management and construction inspection.		
237	MATERIALS TESTING I	2 credits
Prerequisite: 2030:154. Laboratory testing of soils with emphasis on physical properties of soil. Laboratory and field procedures used for quality control.		
238	MATERIALS TESTING II	2 credits
Prerequisite: 2030:154. Mix design of concrete. Laboratory testing of concrete containing ordinary Portland cement and pozzolanic admixtures. Experiments demonstrate physical properties as related to design and quality control.		
245	CONSTRUCTION ESTIMATING	3 credits
Prerequisite: 2030:154 and 2990:150. Quantity takeoffs in construction to include mass excavations, foundation systems, structural steel, residential construction, and various commercial construction methods.		
246	SITE ENGINEERING	3 credits
Prerequisites: 2990:131 The content includes study of the development of a site including surveying, excavation, soil treatment, heavy equipment requirements, storm water management, pavement design, and construction of roadways.		
248	CONSTRUCTION GRAPHICS	3 credits
Introduction to terminology and drawing basics with a focus on civil/site plans, architectural and structural drawing.		
254	BUILDING CODES	3 credits
Prerequisite: 2990:131. Students learn fundamental concepts for construction related to the residential building code.		
310	RESIDENTIAL BLDG CONSTRUCTION	3 credits
Introduction to building design, wood framing, and mechanical systems as commonly found in residential housing.		
312	NEIGHBORHOOD REVITALIZATION PR	3 credits
Residential construction and inspection knowledge used to perform field work, service projects, and written inspection reports.		
320	ADVANCED MATERIALS TESTING	3 credits
Prerequisite: 241. This course investigates the usage of precision strain gage applications used by technicians in determining stresses in structural elements and mechanical parts.		
351	CONSTRUCTION QUALITY CONTROL	3 credits
Prerequisites: Admission into the BCET program or permission of instructor. Overview of quality control concepts and techniques as related to the construction industry including the necessary statistical tools; exposes students to civil, mechanical and electrical inspection requirements.		
352	FIELD MANAGEMENT & SCHEDULING	2 credits

Prerequisites: 245 or permission. Planning, scheduling, and controlling of field work within time and cost constraints. Manual methods and computer software packages studied.

354 FOUNDATION CONSTRUCTION METHOD 3 credits

Prerequisites: 234, 237. Soil mechanics and soils exploration as related to construction. Foundation construction methods and practice in the interest of safety and suitable economy.

356 SAFETY IN CONSTRUCTION 3 credits

The purpose of this course is to explain what creates hazards and why, and to suggest where to anticipate trouble in each phase of the work as it progresses.

358 ADVANCED ESTIMATING 3 credits

Prerequisite: 245 or permission of instructor. This course focuses on estimating and bidding for public and private construction. Includes heavy/highway, residential and building construction with use of computer software to facilitate bid price.

359 CONSTRUCTION COST CONTROL 3 credits

Prerequisite: 6200:201 or 2420:211. Course develops a practical understanding of the latest managerial accounting principles and practices as they apply to the construction business.

361 CONSTRUCTION FORMWORK 3 credits

Prerequisite: 234 or permission. Introduction to design and construction of formwork and temporary wood structures.

362 ADVANCED ELEMENTS OF STRUCTURE 3 credits

Prerequisite: 234. This course examines advanced topics in structural engineering and is an extension of Elements of Structures.

371 GREEN & SUSTAINABLE BUILD PRAC 3 credits

This course is designed to provide an understanding of sustainable construction practices and their importance on environmental issues.

453 LEGAL ASPECTS OF CONSTRUCTION 2 credits

Prerequisite: Admission into the BCET program or permission of instructor. Study of business of contracting and subcontracting and legal problems therein such as breach, partial performance, payment, insolvency, subsurface. Review of standard contracts and construction industry rules of arbitration.

455 COMPUTER PRECISION ESTIMATING 3 credits

Prerequisite: 245. Students will explore sophisticated software programs utilized by the construction industry to prepare estimates and bid packages.

462 MECHANICAL SERVICE SYSTEMS 3 credits

Introduction to materials and equipment used in mechanical heating, ventilating, air conditioning, water and waste systems.

463 ELECTRICAL SERVICE SYSTEMS 3 credits

Introduction to materials and equipment in electrical systems of buildings. Includes illumination, electrical sources, materials and distribution. Emphasis of fire safety.

465 HEAVY CONSTRUCTION ESTIMATING 3 credits

Prerequisite: 245. Quantity takeoffs and cost analysis to include methods, systems, and equipment relevant to heavy highway and civil infrastructure projects.

466 HYDRAULICS 3 credits

Prerequisite: 2030:356. Introduction to hydrology. Flow in closed conduits and open channels, distribution, systems, storage requirements and basic concepts of hydraulic structures. Basic concepts of seepage and working knowledge of pumps.

468 CONSTRUCTION MANAGEMENT 3 credits

Prerequisites: 352, 358. Construction Management takes established construction practices, current technological advances, and latest management methods and makes them into an efficient, smooth working system.

469 CONTRACTS AND SPECIFICATIONS 2 credits

Prerequisite: Admission to BSCET program or permission. This course studies the principles and applications of construction specifications, contracts, processes for managing professional risk and increasing economic performance of the construction process.

471 UNDERSTANDING LEED GUIDELINES 3 credits

Prerequisite: 2990:371 or permission of instructor. Provides an understanding of LEED guidelines and requirements and help prepare the student for the LEED associate exam.

479 CPC SEMINAR 3 credits

Prerequisite: Must be of senior level status towards a B.S. Degree in Construction Engineering Technology or permission of instructor. This course prepares students for the content and format of the Certified Professional Constructor's Examination.

- 489 ST: CONSTRUCTION 1-3 credits
Prerequisite: permission of instructor. (May be repeated for up to six credits.) Special lecture/laboratory courses offered once or only occasionally in areas where no formal courses exist.
- 490 W: CONSTRUCTION 1-3 credits
Prerequisites: permission of instructor. (May be repeated for up to six credits.) Group studies of special topics in construction. May not be used to meet undergraduate major requirements in construction. May be used for elective credit only.
- 497 HONORS PROJECT 1-3 credits
Prerequisite: Senior standing in Honors College and permission of supervising faculty in student's degree field and pursuit of major in CET. Individual Senior Honor's Project relevant to student's major field of study. Specific projects are approved and supervised by a designated member of the faculty in the student's degree field.
- 498 INDP STUDY: CONSTRUCTION 1-3 credits
Prerequisite: permission of instructor. (May be repeated for up to six credits.) Directed study in a special field of interest chosen by student in consultation with instructor.

200 JOB SEARCH STRATEGIES-A&S MAJ

2 credits

Students engage in comprehensive career planning and develop job search strategies. Course topics include navigating a search, creating resumes/cover letters, interviewing, and portfolio development. No prerequisites required.

301 COOPERATIVE EDUCATION

0 credits

(May be repeated) For cooperative education students only. Work experience in business, industry, or governmental agency. Comprehensive performance evaluation and written report required.

100	SOCIAL & CULT DIVERSITY - U.S.	3 credits
	See department for course description.	
110	MULTICULT SENSITIVITY TRN	1 credits
	See department for course description.	
200	INTRODUC TO WOMENS STUDIES	3 credits
	Introduction to the interdisciplinary program in Women's Studies. Explores current scholarship in women's issues and experiences from perspectives of psychology, history, sociology, anthropology, and literary criticism. Feminist orientation and methodology.	
480	FEMINIST THEORY	3 credits
	Prerequisite: 300. A summary of feminist theory to familiarize students with the main currents in contemporary feminist theory and the origins and evolution of that thought.	
485	ST: WOMENS STUDIES	1-3 credits
	(May not be repeated). Special topics and current issues in Women's Studies. Covers content not currently addressed in other courses. Fosters a critical approach to knowledge about women.	
489	INTERN: WOMENS STUDIES	1-4 credits
	Prerequisite: 300, permission of Director of Women's Studies. This class provides supervised experience and on-the-job training in an organization, agency, corporation or group dealing with women's issues.	
490	W: WOMENS STUDIES	1-3 credits
	Various topics focused on women. Themes and course materials vary each semester. Lecture and discussion.	
493	INDIVIDUAL STUDIES ON WOMEN	1-3 credits
	Prerequisite: 300, and approval of Director of Women's Studies. Directed study of selected topics related to women. Projects are chosen by student in consultation with instructor.	
499	SEMINAR IN WOMENS STUDIES	1 credits
	See department for course description.	

201	INTRO TO PAN-AFRICAN STUDIES	3 credits
	Prerequisites: 3300:112 or 2020:121. An interdisciplinary study from an Afrocentric perspective of African and African diaspora experiences. The course will focus on central issues related to the discipline.	
301	CIVIL RIGHTS AMERICA: 1945-74	3 credits
	Social and political actions, events and environment which produces civil rights movement in America. Legal, political and organizational strategies; philosophical arguments; prominent civil rights activists.	
401	SEMINAR AFRO-AMERICAN STUDIES	3 credits
	Prerequisite: 3400:260 or permission. Exploration and intensive examination of variety of issues related to role and minority group relations which normally stand outside the compass of any one subject matter area.	
405	AFRICAN AMER MEN'S HIST & STUD	3 credits
	This course will examine the experiences of the African American Men from a historical, socio-economic, philosophical, religious/spiritual, psychological standpoint.	
410	AFRICAN AMERICAN RELIGIOUS EXP	3 credits
	This course explores the diversity of African American religious beliefs, experiences, and expressions from the colonial era to the present.	
420	ST: AFRO-AMERICAN STUDIES	1-3 credits
	(May be repeated for a maximum of three semester credits). Prerequisite: permission of instructor.	
498	INDP STUDY: PAN-AFRICAN	1-3 credits
	(May be repeated for a maximum of three semester credits). Prerequisites: 3002:201 and 3400:260 or 3400:261 and permission of director. Directed study in a special field of interest chosen by student in consultation with instructor.	

201 INTRO:INTERNATIONAL DEVELOPMNT 3 credits

Uses multiple perspectives: economic, geographical, anthropological, political etc. to study relationships between industrialized and developing countries, poverty, productivity, justice and other aspects of development.

401 INTERNATIONAL DEVLPMNT PROJECT 3 credits

Prerequisites: 21 credits towards International Development Certificate. Research project to be carried out abroad. Students must arrange international experience through channels outside the Certificate program. Project report is capstone requirement of Certificate.

- 450 INTER SEM LIFE-SPAN DEV & GERO 2 credits
(May be repeated for a total of two credits) Prerequisite: permission of instructor. Introduction to interdisciplinary study of gerontology including discussion of dimensions of aging, historical framework of aging in America, demographics, service systems, and current issues.
- 485 ST: LIFE-SPAN DEV & GERONTOL 1-3 credits
Prerequisite: permission of instructor. Specialized topics and current issues in life-span development or gerontology. Covers content or issues not currently addressed in other academic courses.
- 486 RETIREMENT SPECIALIST 2 credits
An investigation of issues related to the design and implementation of pre-retirement planning and examination of life-span planning education as employed by labor, business and education.
- 490 W: LIFE-SPAN DEV & GERONTOLOGY 1-3 credits
(May be repeated) Group studies of special topics in life-span development and gerontology. May not be used to meet certificate requirements. May be used for elective credit only.
- 495 PRACT: LIFE-SP DEV & GERONTOL 1-3 credits
(May be repeated) Prerequisite: permission. Supervised experience in research or community agency work.

31	ELI WRITTEN EXPRESSION	0 credits
Prerequisite: Permission of Instructor. Intensive course in English as a second language writing skills, designed to help students develop effective strategies for expressing ideas clearly and correctly in writing. May be repeated an unlimited number of times as course is noncredit.		
32	ELI READING COMPREHENSION	0 credits
Prerequisite: Permission of instructor. Intensive course in English as a second language reading skills, designed to help students develop efficient reading strategies and build vocabulary. May be repeated an unlimited number of times as course is noncredit.		
33	ELI GRAMMAR & ORAL COMMUNICATN	0 credits
Prerequisite: Permission of instructor. Intensive course in English as a second language grammar with an emphasis on oral skills, designed to help students speak fluently and correctly. May be repeated an unlimited number of times as course is noncredit.		
34	ELI LISTENING COMPREHENSION	0 credits
Prerequisite: Permission of instructor. Intensive course in English as a second language listening skills, designed to help students develop strategies to understand spoken English and take academic lecture notes. May be repeated an unlimited number of times as course is noncredit.		
41	ESL WRITING: DEVL P WRIT PROF CY	0 credits
Prerequisite: permission of instructor. Provides intensive instruction in English as a second language writing. Students develop effective composing strategies while learning to write for a variety of academic purposes. May be repeated an unlimited number of times as course is noncredit.		
42	ESL READING: DEVL P READ PROF CY	0 credits
Prerequisite: permission of instructor. Provides intensive instruction in English as a second language reading. Students acquire effective reading and vocabulary development strategies for a range of academic purposes. May be repeated an unlimited number of times as course is noncredit.		
43	ESL GRAMMAR: DEVL P ORAL PROF CY	0 credits
Prerequisite: permission of instructor. Provides intensive instruction in English as a second language grammar for speaking purposes. Students review grammar basics and expand their knowledge and usage of patterns. May be repeated an unlimited number of times as course is noncredit.		
44	ESL LISTEN: DEVL P AURAL PROF CY	0 credits
Prerequisite: permission of instructor. Provides intensive instruction in English as a second language listening for academic purposes. Students acquire effective listening strategies for a range of contexts. May be repeated an unlimited number of times as course is noncredit.		
45	ESL SPEAKNG: DEV SPEAKNG PROF	0 credits
Permission of instructor. Provides intensive instruction in English as a second language speaking for academic purposes. Students acquire effective speaking strategies for a range of contexts. May be repeated an unlimited number of times as course is noncredit.		
51	ESL WRITING & STUDY SKILLS	0 credits
Prerequisite: permission of instructor. Intensive course in English as a second language writing and study skills. Students learn and extensively practice techniques for writing, revising, and editing academic texts. May be repeated an unlimited number of times as course is noncredit.		
52	ESL READING & STUDY SKILLS	0 credits
Prerequisite: permission of instructor. Intensive course in English as a second language reading and study skills. Students learn and extensively practice techniques for comprehending a variety of academic texts. May be repeated an unlimited number of times as course is noncredit.		
53	ESL GRAMMAR & SPEAKING SKILLS	0 credits
Prerequisite: permission of instructor. Intensive course in English as a second language grammar. Students learn and extensively practice a range of grammatical forms and functions in spoken contexts. May be repeated an unlimited number of times as course is noncredit.		
54	ESL LISTENING & STUDY SKILLS	0 credits
Prerequisite: permission of instructor. Intensive course in English as a second language listening and study skills. Students learn and practice techniques for comprehending spoken English in an academic setting. May be repeated an unlimited number of times as course is noncredit.		
96	ELI WORKSHOP	0 credits
Prerequisite: Permission of instructor. Provides instruction in English language and related topics for speakers of languages other than English. May be repeated an unlimited number of times as course is noncredit.		
99	ELI INDEPENDENT STUDY	0 credits

Prerequisite: permission of instructor. Independent study in English as a Second Language under the supervision and evaluation of selected faculty member. May be repeated an unlimited number of times as course is noncredit.

100	INTRODUCTION TO BOTANY	4 credits
	Identification and biology of common plants of this region. Recommended for teachers of nature study. Not available for credit toward a degree in biology. Laboratory.	
101	INTRODUCTION TO ZOOLOGY	4 credits
	Identification and biology of common animals of this region. Recommended for teachers of nature study. Not available for credit toward a degree in biology. Laboratory.	
103	NATURAL SCIENCE: BIOLOGY	4 credits
	Designed for non-science majors. Laboratory and class instruction illustrate concepts of living organisms with emphasis on mankind's position in, and influence on, the environment.	
106	EXPLORING BIOLOGY	3 credits
	Exploration of how science works and the cellular organization, genetic inheritance and diversity of living things. Not available for credit toward a degree in biology.	
108	INTRO TO BIOLOGICAL AGING	3 credits
	Prerequisite: 3100:103. Survey of normal anatomical and physical changes in aging and associate diseases. (For students in gerontological programs at Wayne College. Not for B.S. biology credit.)	
111	PRINCIPLES OF BIOLOGY I	4 credits
	Prerequisite or Corequisite: 3150:151 Molecular, cellular basis of life; energy transformations, metabolism; cell reproduction, genetics, development, immunology, evolution, and origin and diversity of life (through plants). Laboratory.	
112	PRINCIPLES OF BIOLOGY II	4 credits
	Prerequisite: 111 with a grade of C- or better. Animal diversity; nutrients, gas exchange, transport, homeostasis, control in plants and animals; behavior; ecology. (111-112 are an integrated course for biology majors.) Laboratory.	
113	PROF DEVEL FOR BIO MAJORS	1 credits
	Prerequisite/Corequisite: 3100:111. This course is for Biology majors in their first year of study to provide useful tools as they pursue a Biology career. Recommended, not required.	
130	PRINCIPLES OF MICROBIOLOGY	3 credits
	Basic principles and terminology of microbiology; cultivation and control of microorganisms; relationships of microorganisms; medical microbiology. Laboratory. Not available for credit toward a degree in biology.	
180	BS/MD ORIENTATION	1 credits
	Orientation to the BS/MD Program. Restricted to students in the BS/MD Program. Graded credit/no credit. Not available for credit toward a biology degree.	
190	HLTH CARE DELIVERY SYSTS	1 credits
	Health-care principles and practices. Restricted to the student in NEOUCOM, six-year BS/MD program. Graded credit/noncredit. Not available toward credit as major in biological sciences.	
191	HLTH CARE DELIVERY SYSTS	1 credits
	Health-care principles and practices. Restricted to the student in NEOUCOM, six-year BS/MD program. Graded credit/noncredit. Not available toward credit as major in biological sciences.	
200	HUMAN ANAT & PHYSIOLOGY I	3 credits
	Study of structure and function of the human body. Molecular, cellular function, histology, integumentary system, skeletal system, muscular system, nervous system, and the sense organs. Not available for credit toward a degree in biology.	
201	HUMAN ANAT & PHYS LAB I	1 credits
	Laboratory devised to allow hands on experience using models, dissections of various animals, virtual dissection, and physiological exercises. Not available for credit toward a degree in biology.	
202	HUMAN ANAT & PHYSIOLOGY II	3 credits
	Prerequisite: 200. Study of structure and function of the human body. Endocrine system, cardiovascular system, lymphatics, respiratory system, urinary system, digestive system, and reproductive systems. Not available for credit toward a degree in biology.	
203	HUMAN ANAT & PHYS LAB II	1 credits
	Laboratory devised to allow hands on experience using models, dissections of various animals, virtual dissection, and physiological exercises. Not available for credit toward a degree in biology.	
211	GENERAL GENETICS	3 credits
	Prerequisite: 112 with a grade of C- or better. Principles of heredity, principles of genetics.	
212	GENETICS LAB	1 credits
	Prerequisite: 112 with a grade C- or better, and prerequisite or corequisite: 211. Laboratory experiments in genetics with emphasis on scientific method; techniques in molecular biology.	
217	GENERAL ECOLOGY	3 credits

Prerequisite: 112 with a grade of C- or better. Study of interrelationships between organisms and environment.		
225	BIOLOGY OF AIDS	1 credits
Prerequisite: permission. Course examines the Human Immunodeficiency Virus and the disease of AIDS. Virus structure, replication, therapy, transmission, epidemiology, disease process and social consequences are studied. Not available for credit toward a degree in biology.		
265	INTRODUCTORY HUMAN PHYSIOLOGY	4 credits
Study of physiological processes in human body, particularly at organ-systems level. Not open to preprofessional majors. Laboratory. Not available for credit toward a degree in biology.		
290	HLTH CARE DELIVERY SYSTS	1 credits
Health-care principles and practices. A continuation of 190/191 for a second year student in NEOUCOM six-year BS/MD program. Graded credit/noncredit. Not available toward credit as major in biological sciences.		
291	HLTH CARE DELIVERY SYSTS	1 credits
Health-care principles and practices. A continuation of 190/191 for a second year student in NEOUCOM six-year BS/MD program. Graded credit/noncredit. Not available toward credit as major in biological sciences.		
295	ST: BIOLOGY	1-3 credits
Prerequisite: Permission. Special courses offered occasionally in areas where no formal course exists. Not available for credit toward a degree in biology.		
311	CELL & MOLECULAR BIOLOGY	4 credits
Prerequisites: 3100: 211, 3150:151, 152, 153, 154. Study of structure and function of cells, with emphasis on both classical and modern approaches to understanding organelles, energy balance, protein synthesis, and replication.		
312	NEUROSCIENCE IN HEALTH/DISEASE	3 credits
Prerequisite: 3100:112 with a C or better or 3100:202 with a C or better or 3750:320 with a C or better. Discover how neurons communicate and explore how the brain functions under conditions of normal health, as well as conditions of disease.		
315	EVOLUTIONARY BIOLOGY DISC	1 credits
Prerequisite: 211 with a grade of C- or better. Informal discussions of various aspects of organic evolution of general or special interest.		
316	EVOLUTIONARY BIOLOGY	3 credits
Prerequisite: 112 with a grade of C- or better. Description of core evolutionary concepts and the history of evolutionary thought including natural selection, sexual selection, genetic drift, higher level selection and speciation.		
331	MICROBIOLOGY	4 credits
Prerequisites: 112 with a grade of C- or better, 211 and prerequisite or corequisite 3150:263. Survey of monera with emphasis on the bacteria: their morphology, cultivation and chemical characteristics. Relationships of microorganisms to humans and their environment. Laboratory.		
342	FLORA & TAXONOMY	3 credits
Prerequisite: 112 with a C- or better. Origins of Ohio flora, ecological and evolutionary relationships. Survey of local flowering plant families, collection and identification of flora. Laboratory and field trips.		
343	DIVERSITY OF PLANTS	3 credits
Prerequisites: 112 with a grade of C- or better, 217. A broad survey of the traditional plant branches of the tree of life. Diversity, structure, and function of fungi, algae, and land plants.		
344	DIVERSITY OF PLANT LABORATORY	2 credits
Prerequisites: 112 with a grade of C- or better, 217: Corequisite: 343. A broad laboratory survey of the traditional plant branches of the tree of life. Students will have hands-on experience with fungi, algae, and land plants.		
345	BIOLOGY OF VASCULAR PLANTS	4 credits
Prerequisite: 112 with a grade of C- or better. A lecture and laboratory course which presents an overview of the anatomy, morphology, development and evolution of vascular plants.		
363	FOUNDATIONS OF PHYSIOLOGY I	3 credits
Prerequisite: 3100:112 with a grade of C- or better. Fundamentals of physiology including integrating systems (neurophysiology, sensory processes, and endocrinology), movement, and muscle. For all pre-professional students and Biology majors.		
364	FOUNDATIONS PHYSIOLOGY LAB I	2 credits
Prerequisite: 3100:112 with a grade of C- or better. Corequisite: 3100:363. Laboratory experiments in animal physiology. (Transport processes, neurophysiology, endocrinology, muscle physiology.) Presentation of results in written scientific format.		
365	HISTOLOGY	4 credits

Prerequisite: 112 with a grade of C- or better. Cellular structure of organs in relation to their functional activity, life history, comparative development. Laboratory.		
401	HUMAN ANATOMY BIOLOGY MAJORS	4 credits
Prerequisite: 3100:112 with a C- or better. Organizing principles and patterns found in human organs and systems. Laboratory integrates creative, analytical and virtual approaches to translate concept into practical application of anatomy.		
406	PRINCIPLES OF SYSTEMATICS	3 credits
Prerequisites: 112 with a grade of C- or better, 211, 316. The science of identifying, naming, and classifying the diversity of life. Topics include: nomenclature, types, techniques of data collection, and methods of phylogenetic reconstruction.		
418	FIELD ECOLOGY	4 credits
Prerequisite: 217 (statistics strongly recommended). Introduction to sampling methods, design of experiments and observations, and computer analysis; some local natural history. Laboratory.		
421	TROPICAL FIELD BIOLOGY	4 credits
Prerequisites: 111/112 or equivalent. Ecology of coral reefs, tide pools, mangroves, intertidal zones, terrestrial flora and fauna, island biogeography. Taught at a field station in the tropics. Field trips involved; transportation costs.		
422	CONSERVATION BIOLOGY	3 credits
Prerequisite: 217. Explores the factors affecting survival of biodiversity, and how to develop practical approaches to resolve complicated conservation issues.		
423	POPULATION BIOLOGY	3 credits
Prerequisites: 211, 217. Discussions of animal and plant ecology and evolutionary biology from a species and population level perspective. Includes topics in population ecology and population genetics.		
426	WETLAND ECOLOGY	4 credits
Prerequisite: 217. Wetland ecology; principles and conservation. Field studies will be conducted at Bath Nature Preserve. Laboratory.		
427	FRESHWATER ECOLOGY	4 credits
Prerequisite: 112 with a grade of C- or better, or by permission. The course explores the diversity of aquatic life and key characteristics of freshwater ecosystems with emphasis on the Laurentian Great Lakes. Includes field trips, laboratory.		
428	BIOLOGY OF BEHAVIOR	3 credits
Prerequisites: 211, 217, and 316. Biological basis of behavior, ethology, and behavioral ecology. An evolutionary perspective is emphasized.		
429	BIOLOGY OF BEHAVIOR LABORATORY	1 credits
Prerequisite or corequisite: 428 and permission of instructor. Individualized, directed study to provide the student with first-hand experience in observing, describing and interpreting animal behavior.		
430	COMMUNITY/ECOSYSTEM ECOLOGY	3 credits
Prerequisite: 217. An examination of the components, processes, and dynamics in communities and ecosystems. Includes reading and discussion of primary literature.		
433	MEDICAL MICROBIOLOGY	4 credits
Prerequisite: 3100:331. Pathogenic microorganisms, including bacteria, viruses, fungi, helminthes, and how they cause disease; host-pathogen interactions and the function of the immune response in controlling disease. Laboratory.		
437	IMMUNOLOGY	4 credits
Prerequisite: 211, 311. Nature of antigens, antibody response, and antigen-antibody reactions. Site and mechanism of antibody formations, hypersensitivity, immunologic tolerance and immune diseases considered. Laboratory.		
439	ADVANCED IMMUNOLOGY	3 credits
Prerequisite: 437. Immunology is studied from a historical and current perspective. Topics include T cells, B cells, antigen presentation, HIV, and transplantation.		
440	MYCOLOGY	4 credits
Prerequisite: 112 with a grade of C- or better. Structure, life history, classification of representative fungi with emphasis on the importance of fungi to humans. Laboratory.		
443	PHYCOLOGY	4 credits
Prerequisite: 112 with a grade of C- or better. Examination of the major groups of algae with emphasis on life histories and their relationship to algal form and structure. Laboratory.		
444	FIELD MARINE PHYCOLOGY	3 credits
Prerequisite: 112 with a grade of C- or better. Collection and identification of tropical marine algae on San Salvador Island, The Bahamas. Discussion of characteristics and ecology of major groups of Caribbean algae. Laboratory.		

451	GENERAL ENTOMOLOGY	4 credits
Prerequisites: 112 with a grade of C- or better, 217. Structure, physiology, life cycles, economic importance and characteristics of orders and major families of insects. Laboratories parallel lectures.		
453	INVERTEBRATE ZOOLOGY	4 credits
Prerequisites: 112 with a grade of C- or better, 217. Invertebrate groups, their classification, functional morphology, adaptive radiation and life history. A phylogenetic approach is used. Laboratories parallel lectures.		
454	PARASITOLOGY	4 credits
Prerequisites: 112 with a grade of C- or better. Principles of parasitism; host parasite interactions; important human and veterinary parasitic diseases; and control measures. Laboratories parallel lectures.		
455	ICHTHYOLOGY	4 credits
Prerequisites: 217. Study of fishes; incorporates aspects of evolution, anatomy, physiology, natural history, and commercial exploitation of fishes. Laboratory incorporates field-based exercises and fish taxonomy.		
456	ORNITHOLOGY	4 credits
Prerequisite: 112 with a grade of C- or better. Introduction to biology of birds: classification, anatomy, physiology, behavior, ecology, evolution, natural history and field identification. Laboratory and field trips.		
457	HERPETOLOGY	4 credits
Prerequisite: 112 with a grade of C- or better. Survey of the diversity, ecology and evolution of amphibians and reptiles. Special emphasis is given to Ohio species. Laboratory.		
458	VERTEBRATE ZOOLOGY	4 credits
Prerequisite: 316 or permission. Biology of vertebrates, except birds evolution, ecology, behavior, systematics and anatomy. Laboratory with field trips.		
460	MEDICAL HISTOLOGY	4 credits
Prerequisite: 3100:311 or permission. 100% online course. Structure of human cells and tissues and their identification. Functional organization of the human cell and tissues.		
463	EXERCISE PHYSIOLOGY	3 credits
Prerequisite: 3100:363 or instructor permission. Through lecture, reading and critical analysis of current literature, physiologic mechanisms of exercise in animals will be explored.		
465	ADVANCED CARDIOVAS PHYSIOLOGY	3 credits
Prerequisite: 202 or 363 or 473. Study of biological mechanisms involved in heart attack, strokes, fluid balance, hypertension and heart disease. Controversial issues in each area will be examined and current research presented.		
466	VERTEBRATE EMBRYOLOGY	3 credits
Prerequisite: 112 with a grade of C- or better. Lectures focus on development of model vertebrate organisms, and cellular and molecular mechanisms underlying animal development.		
467	COMP VERTEBRATE MORPHOLOGY	4 credits
Prerequisite: 112 with a grade of C- or better. An introduction to the comparative morphology of major vertebrates. The laboratories consist of dissections of representative vertebrates.		
468	THE PHYSIOLOGY OF REPRODUCTION	3 credits
Prerequisites: 112 with a grade of C- or better or 202. Study of the physiological mechanisms of reproduction throughout the animal kingdom with emphasis upon mammalian endocrinological control. Controversial issues and current research will be examined.		
469	RESPIRATORY PHYSIOLOGY	3 credits
Prerequisite: 202 or 363 or 473. Study of mechanisms determining gas exchange including mechanics, ventilation, blood flow, diffusion, and control systems. Emphasis is given to normal human lung function. (Clinical aspects are not considered in detail.)		
470	LAB ANIMAL REGULATIONS	1 credits
Required of anyone working with animals, and covers government regulations, care of animals and a lab to teach basic animal handling and measurement techniques.		
471	PHYSIOLOGICAL GENETICS	4 credits
Prerequisite: 211 or equivalent. 202 or 363 or 473. The integrative study of how genetics and physiology influence complex systems from molecular to behavioral in plants and animals. Laboratory.		
472	BIOL MECHANISMS OF STRESS	3 credits
Prerequisite: 202 or 363 or 473. Study of mechanisms from molecular to behavioral of how stress influences body systems and signals. The latest research and experimental issues are discussed.		

473	FOUNDATIONS OF PHYSIOLOGY II	3 credits
Prerequisite: 3100:363. Continuing fundamentals of physiology including metabolism and temperature, respiration and circulation, and osmoregulation. Adaption to extreme environments is emphasized.		
474	FOUND OF PHYSIOLOGY LAB II	1 credits
Prerequisite: 364; corequisite 473. Laboratory experiments in animal physiology (respiration, circulation, metabolism, osmoregulation). Presentation of results in scientific format and as oral reports.		
475	COMPARATIVE BIOMECHANICS	3 credits
Prerequisite:112 with a grade of C- or better, or equivalent. Investigation of how physical constraints on biological materials, structural mechanics and locomotion relate to the survival and evolution of living organisms.		
478	RENAL PHYSIOLOGY	3 credits
Prerequisite: 112 with a grade of C- or better. The study of how the kidneys affect other body systems and how, in turn, they are affected by these systems.		
480	MOLECULAR BIOLOGY	3 credits
Prerequisite: 211 and 311. Fundamentals of molecular biology, including recombinant DNA technology, applications in biotechnology, medicine, and genetic engineering. Mechanisms of gene regulation.		
481	ADVANCED GENETICS	3 credits
Prerequisite: 211. Nature of the gene; genetic codes; hereditary determinants; mutagenesis and genes in population. Lecture and seminar.		
482	NEUROBIOLOGY	3 credits
Prerequisites: 111,112 with grades of C- or better. History of Neuroscience; organization, function and development of the central nervous system; electrophysiological properties of nerve cells; learning and memory; molecular basis for mental diseases.		
483	RESEARCH TECH IN NEUROSCIENCE	3 credits
Prerequisite: 3100:112 with a C or better or 3100:202 with a C or better or 3750:320 with a C or better. Discover how the most cutting edge neuroscience research techniques are designed and implemented to further our understanding of the brain and visual system.		
485	CELL PHYSIOLOGY	3 credits
Prerequisite: 112 with a grade of C- or better and 3150:401. Explores molecular and biochemical aspects of energy metabolism, inter and intracellular signaling, growth and death of cells. Emphasizes up-to-date scientific literature.		
486	CELL PHYSIOLOGY LABORATORY	2 credits
Prerequisite: 112 with a grade of C- or better and 3150:401. Corequisite: 485. Practice of modern cell physiology laboratory techniques. Emphasis on student directed original research.		
494	W: BIOLOGY	1-3 credits
(May be repeated) Prerequisite: permission of instructor. Group studies of special topics in biology. May not be used to meet undergraduate or graduate major requirements in biology. May be used for elective credit only.		
495	ST: BIOLOGY	1-3 credits
Prerequisite: permission. Special courses offered occasionally in areas where no formal course exists.		
496	INTERNSHIP IN BIOLOGY	1-3 credits
(May be repeated for maximum of 6 credits) Prerequisites: Permission of department and a minimum 3.0 GPA in Biology courses (20 credits minimum). Work experience to focus on career applications in Biology. Maximum 3 credits will count towards Biology electives.		
497	BIOLOGICAL PROBLEMS	1-3 credits
(May be repeated for a total of 6 credits) Permission; 2.0 GPA or better in Biology coursework; currently in the College of Arts & Sciences. Advanced level work, usually consisting of laboratory investigations. A maximum of 4 credits may apply toward the major degree requirements.		
499	SR HONORS PROG IN BIOLOGY	1-3 credits
(May be repeated for a total of five credits) Prerequisites: senior standing in Honors College and approval of honors preceptor. Open only to biology and natural sciences divisional majors in Honors College. Independent study leading to completion of approved senior honors.		

100	CHEMISTRY & SOCIETY	3 credits
	Qualitative introduction to chemistry using current world problems and commercial products, such as the ozone layer, nuclear fission, polymers and drugs, to introduce chemical principles.	
101	CHEMISTRY FOR EVERYONE	4 credits
	Integrated, hands-on, laboratory instruction in the fundamental concepts of chemistry for general education and middle-level licensure for pre-service and in-service teachers.	
110	INTRO GEN ORGN & BIOCHEM I LEC	3 credits
	Sequential. Introduction to principles of chemistry, fundamentals of inorganic, organic and biochemistry. Structure and chemistry of carbohydrates, lipids, proteins; biochemistry of enzymes, metabolism, radiation.	
111	INTRO GEN ORG & BIOCHEM I LAB	1 credits
	Prerequisite/Corequisite: 3150:110. Sequential. Laboratory course applying principles of chemistry and fundamentals of inorganic, organic and biochemistry.	
112	INTRO GEN ORG & BIOCHEM II LEC	3 credits
	Prerequisite: 110. Sequential. Introduction to principles of chemistry, fundamentals of inorganic, organic and biochemistry. Structure and chemistry of carbohydrates, lipids, proteins; biochemistry of enzymes, metabolism, radiation.	
113	INTRO GEN ORG & BIOCHEM II LAB	1 credits
	Prerequisite/Corequisite: 3150:112. Sequential. Laboratory course applying principles of chemistry and fundamentals of inorganic, organic and biochemistry.	
151	PRINCIPLES OF CHEMISTRY I	3 credits
	Prerequisite: placement in 3450:149 or higher or permission. Introduction to basic facts and principles of chemistry including atomic and molecular structure, states of matter and thermodynamics. For chemistry majors, pre-medical students and most other science majors. Discussion (day sections).	
152	PRINCIPLES OF CHEMISTRY I LAB	1 credits
	Pre/Corequisite: 151, Laboratory course applying principles of thermodynamics, chemical analysis and laboratory practice.	
153	PRINCIPLES OF CHEMISTRY II	3 credits
	Prerequisite: 151. Continuation of 151, 152, including aqueous solution theory, chemical kinetics, equilibrium, electrochemistry and nuclear chemistry. For chemistry majors, premedical students and most other science majors. Discussion (day sections).	
154	QUALITATIVE ANALYSIS	2 credits
	Prerequisite: 152; pre/corequisite: 153. Laboratory course applying principles of chemical equilibrium to inorganic qualitative analysis.	
199	INTRO SEMINAR IN CHEMISTRY	1 credits
	Basic concepts in chemistry practice including written and oral communication skills, computer skills, professional ethics, environmental issues, chemical literature, degree options, and career considerations.	
263	ORGANIC CHEMISTRY LECTURE I	3 credits
	Sequential. Prerequisite: 153 or permission. Structure and reactions of organic compounds, mechanism of reactions.	
264	ORGANIC CHEM LECTURE II	3 credits
	Sequential. Prerequisite: 263 or permission. Structure and reactions of organic compounds, mechanism of reactions.	
265	ORGANIC CHEMISTRY LAB I	2 credits
	Sequential. Prerequisite: 154; pre/corequisite: 263. Laboratory experiments to develop techniques in organic chemistry and illustrate principles. Discussion.	
266	ORGANIC CHEMISTRY LAB II	2 credits
	Sequential. Prerequisite: 265. Laboratory experiments to develop techniques in organic chemistry and illustrate principles. Discussion.	
305	PHYS CHEMISTRY FOR BIO SCIENCE	4 credits
	Prerequisites: 3150:264, 3450:222, 3650:262 or 3650:292. Chemical thermodynamics, kinetics, molecular structure and spectra. Accepted for the BS degree in Biochemistry.	
313	PHYSICAL CHEMISTRY LECTURE I	3 credits
	Prerequisites: 264, 3450:223, 3650:291 or permission. Gases, thermodynamics, thermochemistry, solutions, dilute solutions, chemical equilibrium, phase rule, chemical kinetics, electrochemistry, electrolytic equilibria.	
314	PHYSICAL CHEMISTRY LECTURE II	3 credits
	Prerequisites: 264, 3450:335, 3650:292 or permission of instructor. Atomic and molecular structure and spectroscopy.	
370	BIOCHEMISTRY LABORATORY	2 credits

220	INTRODUCTION TO ANCIENT WORLD	3 credits
Prerequisite: 3400:210 or 3400:221. Introduction to the civilizations of the Near East, Greece, and Rome, their cultural influences upon each other and their legacy to Europe.		
230	SPORTS & SOCIETY ANC GR & ROME	3 credits
Greek and Roman sports, games and festivals, from the Olympics to gladiatorial games as social phenomena; multimedia survey of the archaeology of ancient sport.		
289	MYTHOLOGY OF ANCIENT GREECE	3 credits
Myth, legend and folktale in ancient Greece, with attention to religion and the transmission of Greek myth to Rome and the West. No foreign language necessary.		
361	THE LITERATURE OF GREECE	3 credits
Prerequisite: 3400:210 or 3400:221. Major writers of ancient Greece and their influence on later European literature. No foreign language necessary. Required of majors.		
362	THE LITERATURE OF ROME	3 credits
Major writers of ancient Rome and their influence on later European literature. No foreign language necessary. Required of majors.		
363	WOMEN IN ANCIENT GREECE & ROME	3 credits
Examine women's lives in ancient Greece and Rome. Read their poetry, see them in ancient theatre, art, and philosophy, and in modern art and film.		
480	RDG & RSCH CLASSICAL STUDIES	1-3 credits
Prerequisite: permission of instructor. Directed reading and research for individual and small group study in any recognized area of classical studies.		
499	HONORS PROJECT IN CLASSICS	1-3 credits
(May be repeated for a total of six credits) Prerequisites: senior standing in Honors Program and permission. Independent study leading to completion of a senior honors thesis under the supervision of a member of the Department of Classics.		

150	HUMAN CULTURES	3 credits
	This course examines what culture is, how human cultures vary and how they change. We then explore opportunities/conflicts presented by contemporary human cultural issues.	
151	HUMAN EVOLUTION	4 credits
	Study of biological evolution of Homo Sapiens, including primate comparisons and cultural development. One-hour laboratory using interactive computer programs, casts and Anthropology's cultural collection.	
251	HUMAN DIVERSITY	3 credits
	This course examines human diversity in global perspective by considering how and why human beings vary physically and ways categories of difference are culturally constructed.	
304	PRIMATES: BEH, MORPHO & EVOLUT	3 credits
	Prerequisite: 151. Extant primate diversity, behavior, morphology and primate paleontology.	
309	MEDICINE & THE HUMANITIES	3 credits
	Medical history, literature, and ethics from the perspective of the Humanities, with readings from original sources and literary works on medical subjects.	
310	HUMAN PALEON:THE AUSTRALOPITH	3 credits
	Prerequisite: 151. A study of the fossil record of the earliest hominids of the Miocene and Pliocene epochs.	
311	HUMAN PALEONTOLOGY: GENUS HOMO	3 credits
	Prerequisite: 151. The origins of the Genus Homo and the evolution of anatomically modern Homo sapiens.	
340	HUMAN OSTEOLOGY	3 credits
	Prerequisites: 3230:151 and 3240:100 or permission. An intensive study of bone, bone growth, and the human skeleton; ageing and sexing techniques; application of demographic techniques to paleoanthropological populations.	
357	MAGIC, MYTH, & RELIGION	3 credits
	Analysis of the origins, roles, and functions of myth, magic and religion in a broad range of societies, with emphasis on the non-Western, pre-industrial societies.	
358	INDIANS OF NORTH AMERICA	3 credits
	Ethnographic survey of native cultures of North America, with emphasis on variations in ecological adaptations, social organization and modern American Indians in anthropological perspective. Lecture.	
359	ANTHROPOLOGICAL THEORY	3 credits
	Prerequisites: 150, 151 or permission of instructor. Advanced seminar addressing the history of anthropological theory and current theoretical debates within the discipline.	
370	GLOBALIZATION AND CULTURE	3 credits
	Prerequisite: 150 or 3850:100. A critical examination of socio-cultural processes of globalization that serve to complicate conventional notions of culture. Emphasizes how globalization affects a range of local places.	
397	ANTHROPOLOGICAL RESEARCH	1-3 credits
	(May be repeated) Prerequisite: permission. Individual study of problem areas of specific interest to an individual student under guidance of a faculty member.	
398	INTRO: ANTHROPOLOGICAL DATA	3 credits
	Prerequisite: 150, 151 and 3240:100. This course focuses on the characteristics of anthropological evidence through hands-on activities and examination of the uses of data in published works.	
400	SEM: HUMAN ORIGINS	3 credits
	Prerequisites: 151 and 6 credit hours of 300-400 courses in biological anthropology. Advanced seminar addressing current discoveries and theoretical issues in human paleontology. Content varies by semester.	
401	HIST OF PHYSICAL ANTHROPOLOGY	3 credits
	Prerequisites: 151 and 310 or 311 or instructor's permission. History of evolutionary theory pertaining to the biological origins of humans covering pre-Darwinian thought to the most recent fossil discoveries.	
410	EVOLUTION & HUMAN BEHAVIOR	3 credits
	Prerequisite: 151. Critical examination of the theory of natural selection and its usefulness for understanding the origins and evolution of early hominid and modern human social behavior.	
416	ANTHROPOLOGY OF SEX & GENDER	3 credits
	Prerequisites: 150 or 3850:100. This course explores cross-cultural variation regarding sex, gender and sexuality. It examines the ways that cultures create, maintain and reproduce gender concepts and gender relations.	
420	THE ANTHROPOLOGY OF FOOD	3 credits
	Utilizing anthropological approaches and theories, this course explores the social relations and cultural beliefs associated with food cross-culturally.	

- 457 MEDICAL ANTHROPOLOGY 3 credits
Prerequisite: 150 or permission of instructor. Analyzes various aspects of Western and non-Western medical systems from an anthropological perspective. Compares traditional medical systems around the world.
- 460 FIELD METHODS IN CULTURAL ANTH 4 credits
Prerequisite: 150 or permission of instructor. Community-based research and service-learning course in which students design and undertake a project. Addresses ethics, data collection, management and analysis in collaboration with community partners.
- 472 ST: ANTHROPOLOGY 3 credits
(May be repeated) Prerequisites: 150 and permission. Designed to meet needs of student with interests in selected topics in anthropology. Offered irregularly when resources and opportunities permit. May include archaeological field school, laboratory research or advanced course work not presently offered by department on regular basis.
- 474 ST: BIOLOGICAL ANTHROPOLOGY 3 credits
Prerequisite: 151. Advanced topics in biological anthropology, human paleontology and primate behavioral ecology. May be repeated, but no more than six credits can be applied towards the major in Interdisciplinary Anthropology.
- 497 SR HONORS PROJECT:ANTHROPOLOGY 3 credits
The topic and scope of this individually chosen project is directed by an Anthropology faculty member in conjunction with Honors College preceptors under the guidelines of the Honors College

100	INTRODUCTION TO ARCHAEOLOGY	3 credits
	Introduction to the study of ancient cultures based on material remains. Course covers basic archaeological concepts and tools, types of data and interpretation.	
101	CASE STUDY	1 credits
	A series of one-credit modules designed to introduce specific topics of archeological interest to the non-specialist.	
105	THE INCAS	1 credits
	Rise and fall of the Inca empire of South America. Topics include: politics, ideology, daily life and methods of recovering and interpreting archaeological data.	
106	THE MAYA	1 credits
	Rise and fall of the Maya civilization of Mesoamerica. Topics include: politics, ideology, daily life and methods of recovering and interpreting archaeological data.	
107	ARCHAEOLOGY OF PETS	1 credits
	A look at pets from earliest times to the present and how the keeping of pets leads to the domestication of animals.	
108	WORLD OF HOMER	1 credits
	Examination of Greek Bronze and Iron Age material culture and its possible relationship to the works of the poet Homer.	
109	THE ASSYRIANS	1 credits
	Examines archaeological and textual evidence for the emergence of the Assyrian Empire, its expansion and collapse. Topics include: Assyrian art and architecture, warfare, and literature.	
110	THE SUMERIANS	1 credits
	Examines archaeological and textual evidence for the emergence and flourishing of Sumerian civilization. Topics include: Sumerian religion, art, architecture and literature.	
111	ARCHAEOLOGY OF SLAVERY	1 credits
	An examination of slavery as an institution on a worldwide basis from earliest times to the 19th century through archaeology.	
112	THE AZTECS	1 credits
	A discussion of the Aztec civilization, politics, ideology, and daily life will illustrate how archaeologists recover and interpret data on Aztec culture.	
113	RELIGION BEFORE THE BIBLE	1 credits
	Examination of archaeological evidence for the emergence of humanity's first religious practices from Paleolithic shamanism to early monotheistic traditions in the Near East and Europe.	
150	TIME BEFORE HISTORY	3 credits
	Survey of world prehistory from the first appearance of anatomically modern humans to the rise of state-level societies from an archaeological perspective. Web Components.	
300	HISTORICAL ARCHAEOLOGY	3 credits
	This course explores recent developments in historical archaeology and how material culture can be used to study race, class, gender, and ethnic identities.	
313	ARCHAEOLOGY OF GREECE	3 credits
	The ruins and monuments of Greece; history reconstructed by examination of the material remains. No foreign language necessary.	
314	ARCHAEOLOGY OF ROME	3 credits
	The ruins and monuments of Rome; history reconstructed by examination of the material remains. No foreign language necessary.	
345	EGYPTOLOGY	3 credits
	Introduction to ancient Egyptian civilization, with emphasis on sites and artifacts representative of socio-political and ideological transformations from the Prehistoric through Ptolemaic Periods.	
360	ANCIENT NEAR EASTERN ARCH	3 credits
	General survey of the archaeological material culture and written history of the ancient Near East. Covers principal human achievements from the Paleolithic to Alexander's conquest.	
400	ARCHAEOLOGICAL THEORY	3 credits
	Prerequisite: 3240:100. Advanced seminar covering history of scientific archaeological exploration, major theoretical paradigms and current trends in archaeology. Required for Certificate in Field Archaeology.	
410	ARCHAEOGEOPHYSICAL SURVEY	3 credits
	Prerequisite: 3240:100 or 3370:101 or 3350:310. Advanced instruction in principles of subsurface geophysical survey techniques in archaeology. Emphasizes magnetic gradiometry and electrical resistivity techniques. Includes both laboratory and fieldwork.	

- 420 ARCHAEOLOGY OF OHIO 3 credits
 Provides a detailed overview of Ohio's prehistoric cultures and the early historic period focusing on cultural evolution and environmental relationships.
- 440 ARCHAEOLOGICAL LAB METHODS 3 credits
 Prerequisite: 3240:100. Laboratory processing and study of lithic, ceramic, paleofaunal, paleobotanical, metallic, archaeological materials. Emphasis varies with instructor expertise. Involves instrumental or statistical analysis.
- 450 ARCHAEOLOGICAL FIELD SCHOOL 1-6 credits
 Prerequisite: 3240:100 or permission. A field-based course teaching based archaeological techniques, mapping, excavation of prehistoric and historic sites, survey and documentation. (May be repeated for a maximum of 6 credits.)
- 460 SEMINAR IN ANCIENT NEAR EAST 3 credits
 Prerequisites: 3240:360 or 3400:307 or permission of instructor. Advanced undergraduate seminar on selected topics covering the archaeological remains and historical texts in translation of the ancient Near East.
- 472 ST: ARCHAEOLOGY 3 credits
 Prerequisite: 3230:150 or permission. Selected topics in archaeology. May include field school, independent or faculty-led research, laboratory training or advanced course work not regularly offered by department.
- 499 SR HONORS PROJ: ARCHAEOLOGY 1-6 credits
 Prerequisite: Permission of instructor. Student-designed archaeology project directed by an Archaeology faculty member in conjunction with Honors College preceptors under the guidelines of the Honors College. (May be repeated for a maximum of six credits.)

110	ENGLISH COMPOSITION I + WRKSHP	4 credits
	Prerequisite: Placement. Extensive and varied experience in developing writing skills, with practice in expressive, reflective, and analytic forms of writing. Includes one credit, support-intensive workshop.	
111	ENGLISH COMPOSITION I	3 credits
	Extensive and varied experience in developing writing skills, with practice in expressive, reflective, and analytic forms of writing.	
112	ENGLISH COMPOSITION II	3 credits
	Prerequisites 110 or 111 or 113 or 2020:121. Designed to develop skills in analyzing and writing persuasive arguments.	
113	AFR AM LANG & CULTURE I:C CMP	3 credits
	Discussion, argumentation, and writing related to African American culture and language. An option to 3300:111 English Composition I. Open to all students.	
114	AFR AM LNG & CULTURE II:C CMP	3 credits
	Prerequisites: 110 or 111 or 113 or 2020:121. Composition and discussion topics focus on the structure, history, and culture of African American English. An option to 3300:112 English Composition II. Open to all students.	
250	CLASSIC & CONTEMPORARY LIT	3 credits
	Prerequisites: 111 and 112 or their equivalents, and 3400:210 or 221, or permission of the instructor. Close reading and analysis of fiction, poetry, and drama from the evolving canon of American, British, and World literature. This course fulfills the General Education Humanities Requirement. It cannot be used to meet requirements in English.	
252	SHAKESPEARE & HIS WORLD	3 credits
	Prerequisites: 111 and 112 or their equivalents, and 3400:210 or 221. An introduction to the works of Shakespeare and their intellectual and social contexts. Each section places Shakespeare through compact readings of works by the playwright's contemporaries. This course fulfills the General Education Humanities Requirement. It cannot be used to meet requirements in English.	
275	SPECIALIZED WRITING	3 credits
	Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. (May be repeated for different topics, with permission) Principles and practice of style, structure and purpose in writing, with special applications to writing demands of a specific career area.	
276	INTRO CREATIVE NONFICTION WRTG	3 credits
	Prerequisites: 111 and 112 or their equivalents, or permission of instructor. This course introduces the techniques of Creative Nonfiction through writing exercises that give experience with the form.	
277	INTRODUCTION TO POETRY WRITING	3 credits
	Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Practice in writing poems. Study of techniques in poetry, using contemporary poems as models. Class discussion of student work. Individual conferences with instructor to direct student's reading and writing.	
278	INTRO TO FICTION WRITING	3 credits
	Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Practice in writing short stories. Study of various techniques in fiction, using contemporary stories as models. Class discussion of student work. Individual conferences with instructor to direct student's reading and writing.	
279	INTRODUCTION TO SCRIPT WRITING	3 credits
	Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Practice in writing scripts. Study of various techniques in script writing, using contemporary models for study. Class discussion of student work. Individual conferences with instructor to direct student's reading and writing.	
280	POETRY APPRECIATION	3 credits
	Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Close reading of a wide selection of British and American poems with emphasis on dramatic situation, description, tone, analogical language, theme and meaning.	
281	FICTION APPRECIATION	3 credits
	Prerequisite: Completion of 111 and 112 or their equivalents, and 3400:210 or 221. Close reading of modern masters of short story and novel. Fulfills the General Education Humanities Requirement. It cannot be used to meet requirements in English.	
283	FILM APPRECIATION	3 credits
	Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Introduction to dramatic choices made by filmmakers in scripting, directing, editing and photographing narrative films; and qualities of reliable film reviews.	
300	CRITICAL READING & WRITING	3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. An introduction to English studies, focusing on critical methods for reading and writing about literature, with attention to research skills and uses of computer technology.

301 ENGLISH LITERATURE I 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Studies in English literature from Old English to 1800, with emphasis upon specific representative works and upon the cultural and intellectual background which produced them. Literature to be read will include both major and minor poetry, prose and drama.

315 SHAKESPEARE: THE EARLY PLAYS 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Introduction to early drama of Shakespeare with close reading of tragedies, histories and comedies. Includes explanatory lectures of both the plays and their backgrounds.

316 SHAKESPEARE: THE MATURE PLAYS 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Study of Shakespeare's plays after 1598, beginning with mature comedies. Concentration on major tragedies and romances.

341 AMERICAN LITERATURE I 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Historical survey of major and minor American writers to 1865.

350 BLACK AMERICAN LITERATURE 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Survey of representative black American writers from the 19th Century to present, with particular attention to historical and social backgrounds.

360 OLD TESTAMENT AS LITERATURE 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. History of Hebrews to 586 B.C., as revealed through epic, fiction, saga and poetry, viewed against background of the Asian World.

361 THE NEW TEST AND APOC AS LIT 3 credits

Prerequisite: Completion of 111 and 112. These two bodies of literature read with emphasis on form of gospel and epistle, and concept of apocalypse. Both are viewed against their historical and social backgrounds.

362 WORLD LITERATURES 3 credits

The course is a study of short fiction, poems, plays, and novels of the non-Western world from early antiquity to the present.

364 WOMEN WRITERS 3 credits

Prerequisite: 112 or equivalent, or permission of instructor. A study of the diverse voices of female experiences through literature written by women.

366 EUROPE BKGD ENGLISH LITERATURE 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Representative continental texts from Homer to Cervantes, selected both for their excellence and for their important influence on English and American literature.

371 INTRODUCTION TO LINGUISTICS 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Scientific introduction to the study of written and spoken linguistic behavior in English. History of English, varieties of English, and acquisition of English also introduced.

376 LEGAL WRITING 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Intensive practice in writing for prelaw students through assignments based on actual legal situations and real cases. Particular attention to stating legal issues, writing persuasively, applying rules of law, and other topics that will help those preparing for law school and the profession.

377 ADVANCED POETRY WRITING 3 credits

Prerequisites: 277, and 111 and 112 or their equivalents, or permission of the instructor. Advanced practice in writing poems, emphasis on shaping publishable works. Survey of market. Class discussion of student poems; individual conference with instructor.

378 ADVANCED FICTION WRITING 3 credits

Prerequisites: 278, and 111 and 112 or their equivalents, or permission of the instructor. Advanced practice in writing short stories, emphasis on shaping publishable works. Survey of market. Class discussion of student stories; individual conference with instructor.

379 ADVANCED SCRIPT WRITING 3 credits

Prerequisites: 112, 279 or equivalents, or permission of instructor. This course focuses on writing for the screen and developing the visual imagination.

380 FILM CRITICISM 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Application of literary critical theory to the study of film.		
381	ADV CREATIVE NONFICTION WRITNG	3 credits
Prerequisite: 276 or permission of instructor. This course advances student practice in the craft of Creative Nonfiction through writing exercises and workshop sessions.		
389	ST: LITERATURE & LANGUAGE	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. (May be repeated for credit as different topics are offered). Traditional and nontraditional topics in English literature and language, supplementing course listed in this General Bulletin, generally constructed around theme, genre and language study.		
390	PROFESSIONAL WRITING I	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Designed to help prepare student for a career as professional business writer. Stresses theory and practice of written and oral communication in business organization. Individual and group performance, relating to communication theories, concepts of semantics. Functional writing as well as special needs of business are illustrated by actual cases. Adapting style and organization is practiced.		
391	PROFESSIONAL WRITING II	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Designed to help prepare student for a career as professional technical writer. Covers principles and practices concerning editing company technical communications, such as specifications, annual reports, promotional brochures for technical products, services, scientific abstracts, proposals. Also treats problems of adapting materials to formats, graphic display of technical information, adaptation of technical material to nontechnical reader.		
392	INTERNSHIP IN ENGLISH	1-3 credits
Prerequisite: Minimum GPA of 2.5, permission of the instructor. (May be repeated for a maximum of six credits.) Critical reading and writing focused on career applications of the discipline of English. May count up to three credit hours toward the English major.		
399	THE GOTHIC IMAGINATION	3 credits
Prerequisite: Completion of 111 and 112. A loosely chronological study of major British, American, and European authors in the Gothic tradition. Focus on the literary conventions of Gothic fiction, to the popular nature of the literature and to its major themes/motifs.		
400	ANGLO SAXON	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Studies in Old English language and Old English prose and poetry, including Beowulf.		
403	DEVELOPMNT OF ARTHURIAN LEGEND	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Traces evolution of Arthurian materials from 540 to 1500 and beyond, with emphasis on characters, themes, events and treatments.		
406	CHAUCER	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Close study of Chaucer's major works The Canterbury Tales and Troilus and Criseyde in Middle English.		
407	MIDDLE ENGLISH LITERATURE	3 credits
Prerequisite: Completion of 111 and 112, 64 credits or permission. Study of genres, topics, styles and writers of the Middle English literary works from 12th to 15th Centuries. Readings in Middle English.		
424	EARLY ENGLISH FICTION	3 credits
Prerequisite: Completion of 111 and 112, 64 credits or permission. Development of English novel before 1830. Focus on works of Defoe, Richardson, Fielding, Smollett, Sterne, Austen and Scott.		
425	STUDIES IN ROMANTICISM	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Literary, philosophical, psychological and social revolutions of romantic period as reflected in works of such major writers as Wordsworth, Byron and Keats.		
430	VICTORIAN POETRY & PROSE	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Poetry, prose of the late 19th Century, excluding fiction, with attention to Tennyson, Browning, Arnold, Carlyle, Ruskin and other major writers.		
431	VICTORIAN FICTION	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Reading of at least five major novels of Victorian era, of varying length, by Emily Bronte, Dickens, Eliot, Thackeray and Hardy. Characterization, theme and attitude toward life emphasized.		
435	20TH CENTURY BRITISH POETRY	3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Concentrated study of major poems of Yeats, Eliot and Auden, with attention also to Hardy, Housman, Spender, C. Day Lewis, Dylan Thomas and others.

436 BRITISH FICTION: 1900-1925 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Study of Conrad, Joyce, D. H. Lawrence and Virginia Woolf, with attention to their innovations in narrative and style, their psychological realism and symbolism. Brief consideration of other important fiction writers of the period, including Wells, Bennett and Mansfield.

437 BRITISH FICTION SINCE 1925 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Study of important British novelists since 1925, excluding Lawrence, Joyce and Woolf. Attention to development of British short story from 1925 to present.

440 WOMEN AND FILM 3 credits

Prerequisites: 111, 112 or equivalents, 64 credits or permission of instructor. This course explores representations of the feminine and treatments of gender issues in mainstream Hollywood films within a critical framework of feminist film theory.

448 AMERICAN ROMANTIC FICTION 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Examination of early American fiction, tracing its genesis, romantic period and germinal movements toward realism. Writers discussed include Cooper, Poe, Hawthorne and Melville.

449 AMER FICT: REALISM & NATURAL 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Examination of American writers of realistic and naturalistic fiction (e.g., Howells, James, Crane, Dreiser), tracing developments in American fiction against background of cultural and historical change.

450 MODERN AMERICAN FICTION 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Study of significant American short and long fiction from World War I to the present.

451 AMERICAN POETRY TO 1900 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Survey of American poetry of the 17th, 18th and 19th Centuries.

452 MODERN AMERICAN POETRY 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Survey of 20th Century American poetry beginning with Edwin Arlington Robinson and ending with contemporary poets.

453 AMERICAN WOMEN POETS 3 credits

Prerequisite: Completion of 111 and 112, 64 credits or permission. Study of modern poets' uses and revisions of tradition, women's relationships, conceptions of art and of the artist-as-woman, and the debate between public and private poetry.

454 20TH CENTURY AMERICAN DRAMA 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Examination of major, established playwrights (including O'Neill, Miller and Williams) and sampling of new and rising ones.

455 THE AMERICAN SHORT STORY 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. A study of the development of the short story as a particularly American genre, from Washington Irving to the present.

456 THOREAU, EMERSON & THEIR CIRCLE 3 credits

Prerequisite: 64 credits or permission. A study of work and life of Henry David Thoreau, Ralph Waldo Emerson, and other key figures of the American Renaissance.

457 WRITERS ON WRITING 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits including 111 and 112 or permission of the instructor. A close look at what established writers have to say about the process of writing. Students write response essays and take exams on readings.

460 FILM AND LITERATURE 3 credits

Prerequisites: completion of 111, 112 or their equivalents, 64 credits or permission of instructor. Analysis of literary texts and their film adaptations. Emphasis on genre, structure, and visual elements as counterparts to written texts.

466 LINGUISTICS AND LANGUAGE ARTS 3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits including 111 and 112 or permission of the instructor. Foundation course in linguistics with pedagogical implications for second language learners. Fundamental topics (morphology, syntax, semantics, phonetics, pragmatics) and related topics (sociolinguistics, contrastive analysis) covered.

467	MODERN EUROPEAN FICTION	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Representative European writers from about 1850 to present, in translation. Focus on fiction of such writers as Dostoyevsky, Gide, Camus, Mann, Kafka and Kundera.		
468	INTERNATIONAL POETRY	3 credits
Prerequisite: Completion of 112 or equivalent, 64 credits or permission of the instructor. This survey of world poetry focuses on the stylistic concerns and social consequences of literature from Latin America, Africa, Asia, Europe, and beyond.		
469	EROS & LOVE IN EARLY WEST LIT	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. An analysis of the use of sex and love in the literature of the Western World from Greco- Roman times to 1800, with special emphasis on how sexuality and romantic love are used as allegorical, satiric, fantastic or realistic devices.		
470	HISTORY OF ENGLISH LANGUAGE	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Development of English language, from its beginnings: sources of its vocabulary, its sounds, its rules; semantic change; political and social influences on changes; dialect origins; correctness.		
471	U.S. DIALECTS: BLACK & WHITE	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Study of differences in pronunciation, vocabulary and grammar among U.S. language varieties. Origins, regional and social dimensions are explored. Correctness, focusing on black English and Appalachian speech, explored.		
472	SYNTAX	3 credits
Prerequisites: 371, and 111 and 112 or their equivalents, 64 credits or permission of the instructor. Principles of syntactic description. Sentence structures are investigated from a variety of languages, with emphasis on English.		
473	THEORE FOUND AND PRIN OF ESL	3 credits
Prerequisite: 3300:111, 3300:112 and 3300:371 or 3300:466/566, or their equivalents; also could be taken concurrent with 3300:371 or 3300:466/566. Second language acquisition theories and teaching methodologies surveyed. Second language teaching principles from research in linguistics, psycholinguistics, and second language pedagogy explored.		
474	AFRICAN AMERICAN ENGLISH	3 credits
Prerequisite: 64 credits or permission. African American English grammatical structure, pronunciations, origins, and cultural role. Comparisons with academic English. Discussion of language correctness, legal status, and role in education.		
475	THEORY OF RHETORIC	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. Ancient and modern theories of rhetoric, with attention to classical oration, topics of rhetoric and their application to teaching of English.		
477	SOCIOLINGUISTICS	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Major sociolinguistic concepts and methodology examined, as well as relationships between language, socio-cultural factors, and education. Issues of Standard English, power, and gender also examined.		
478	GRAMMATICAL STRUCT OF MOD ENGL	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits including 111 and 112 or permission of the instructor. Contemporary understanding of Modern English sentence structure: parts of speech, sentence types, phrase types, modification, coordination and subordination, parentheticals. Traditional grammar and sentence rhetoric discussed.		
479	MANAGEMENT REPORTS	3 credits
Prerequisites: completion of 111, 112 or their equivalents, 64 credits or permission of instructor. Study of principles and writing practice in effective business style, specialized structure, and purpose for business reports.		
482	SENIOR HONORS PROJECT: ENGLISH	1-3 credits
(May be repeated for a total of six credits). Prerequisites: Completion of 1100:111 and 1100:112 or their equivalents, or permission of the instructor, senior standing in Honors College and approval of honors preceptor; open only to English majors enrolled in Honors College. Independent study leading to completion of senior honors thesis or other original work.		
484	FANTASY	3 credits
Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. A study of forms of literature, primarily fiction, based on and controlled by an overt violation of what is generally considered as possibility.		
485	SCIENCE FICTION	3 credits
Prerequisite: 64 credits or permission. A study of twentieth-century British and American science fiction, featuring primary forms of the science fiction story and the work of major authors.		
486	LEARNER ENGLISH	3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, or permission of the instructor. Introduction to tools for and practice in analyzing second language learners' production of English. Theory and practice of teaching oral and written English also covered.

487 FLD EXP: TEAC SEC LANG LEARNER 3 credits

Prerequisite: Permission of the instructor is required to enroll. Practical experience in which second language teachers-in-training observe, participate in, and practice teaching under the supervision of the instructor and/or an experienced, certified teacher.

489 SEMINAR IN ENGLISH 2-3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. (May be repeated with different topics.) Special studies, and methods of literary research, in selected areas of English and American literature and language.

490 W: ENGLISH 1-3 credits

Prerequisite: Completion of 111 and 112 or their equivalents, 64 credits or permission of the instructor. (May be repeated with different topics) Group studies of special topics in English. Cannot be used to meet undergraduate or graduate major requirements in English; for elective credit only.

492 SENIOR SEMINAR 3 credits

Discussion of select literary topic and reflection on student development in the major. Requires independent research and reflection papers. Limited to senior English majors.

498 INDP STUDY: ENGLISH 1-3 credits

Prerequisite: completion of 111 and 112 or their equivalents, 64 credits or permission. Directed study in a special field of interest chosen by student in consultation with instructor.

100	INTRODUCTION TO GEOGRAPHY	3 credits
	Analysis of world patterns of population characteristics, economic activities, settlement features, landforms, climate as interrelated factors.	
250	WORLD REGIONAL GEOGRAPHY	3 credits
	Survey of world regions with focus on both physical and human landscapes; emphasis on world patterns and issues from a regional perspective.	
275	GEOGRAPHY CULTURAL DIVERSITY	2 credits
	Prerequisites: 32 credit hours including English Composition I and II (3300:111, 112) or equivalent. Evaluation of cultural elements unique to various geographical regions to explain why different people utilize resources differently, and how cultural diversity affects regional conflicts.	
305	MAPS & MAP READING	3 credits
	Introduction to use and interpretation of maps. Study of basic map types, elements, symbolism, and historical and cultural context of maps. (Laboratory.)	
310	PHYSICAL & ENVRN GEOGRAPHY	3 credits
	Landforms, weather and climate, soils and vegetation and natural hazards. Nature and distribution of these environmental elements and their significance to society. Laboratory.	
314	CLIMATOLOGY	3 credits
	Prerequisite: 3350:310 or permission. Analysis and classification of climates, with emphasis on regional distribution. Basic techniques in handling climate data.	
320	ECONOMIC GEOGRAPHY	3 credits
	Geographical basis for production, exchange, consumption of goods. Effect of economic patterns on culture and politics.	
350	GEOGRAPHY OF THE U.S. & CANADA	3 credits
	Regional and topical study of United States and Canada, with emphasis on environmental, economic and cultural patterns and their interrelationships.	
351	OHIO: ENVIRONMENT & SOCIETY	3 credits
	Regional and topical analysis of cultural, economic and environmental patterns; also in comparison with other states.	
353	LATIN AMERICA	3 credits
	Analysis of relationship of cultural and economic patterns to physical environment in Mexico, Central America, the Caribbean and South America.	
356	EUROPE	3 credits
	Regional and topical analysis of cultural, economic and environmental patterns.	
360	ASIA	3 credits
	Environmental, cultural and economic geography of East, Southeast, South Asia and Middle East with emphasis on the contemporary.	
363	AFRICA SOUTH OF THE SAHARA	3 credits
	Environmental and human bases of regional contrasts. Emphasis on tropical environmental systems and changing patterns of resource utilization.	
397	SP: GEOGRAPHY AND PLANNING	1-3 credits
	(May be repeated for a total of five credits) Prerequisite: permission of instructor. Directed reading and research in special field of interest.	
405	GEOGRAPHIC INFORMATION SYSTEMS	3 credits
	Prerequisites: 3350:305 or permission. Introduction to the principles and concepts underlying geographic information systems (GIS) and their application in professional practice and academic research. Laboratory.	
407	ADVANCED GEOGRAPHIC INFO SYS	3 credits
	Prerequisite: 3350:405 or permission. Advanced instruction in the theory and application of geographic information systems (GIS) including hands-on experience with both raster and vector GIS. Laboratory.	
409	ARCHAEOGEOPHYSICAL SURVEY	3 credits
	Prerequisites: 3240:250 or 3370:101 or 3350:310. Advanced instruction in subsurface geophysical survey techniques in archaeology. Emphasis on magnetic gradiometry and electrical resistivity techniques, image processing and geological and archaeological interpretation.	
415	ENVIRONMENTAL PLANNING	3 credits
	Scientific and technical principles for decision-making in planning, with emphasis on soils, land use, and water quality issues. Data sources and methods of site evaluation.	
420	URBAN GEOGRAPHY	3 credits

Spatial structure of urban systems; interaction between cities; internal structure of cities. Perspectives on urban change; contemporary urban geographic problems; urban and regional planning issues.		
422	TRANSPORTATION SYSTEMS PLANNING	3 credits
Study and analysis of transportation systems from a geographic perspective. Emphasis on transportation problems and issues, elements of transportation planning.		
424	MILITARY GEOGRAPHY	3 credits
Influence of physical and human geography on military operations and military history. Role played by geography in international conflicts.		
432	LAND USE PLANNING LAW	3 credits
Acquaint student with past and present approaches to land use control in the United States and examine the political, economic, social and legal forces that have shaped existing land-use legislation.		
433	PRACTICAL APPROACHES TO PLANNING	3 credits
Introduction to the history, theories and forms of urban planning.		
437	PLAN ANALYSIS & PROJECT METHODS	3 credits
Introduction to the primary analytic techniques for small-area demographic and economic analysis and projection.		
438	LAND USE PLANNING METHODS	3 credits
Application of GIS and other computer-based tools to the preparation, implementation and evaluation of comprehensive land use plans.		
439	HISTORY OF URBAN DESIGN & PLANNING	3 credits
Origins of human settlements and planning from the perspective of urban design and related societal trends. Comparison of world regional and historical urban forms. Experience in reading settlements as visual landscapes.		
440	CARTOGRAPHY	3 credits
Use of graphic/cartographic principles and techniques as a means of presenting geographical information on maps and producing maps. Laboratory.		
441	GLOBAL POSITIONING SYSTEMS (GPS)	1 credits
Fundamentals of Global Positioning System (GPS), with emphasis on geographic and planning activities. Includes hands-on exercises.		
442	CARTOGRAPHIC THEORY & DESIGN	3 credits
Prerequisite: 3350:440 or permission of instructor. Principles and techniques of thematic mapping. Stresses maps as communications tools. Examines principle thematic mapping techniques and means of presenting qualitative and quantitative data. Laboratory.		
443	URBAN APPLICATIONS IN GIS	3 credits
Prerequisite: 3350:405 or permission of instructor. Applications of GIS in the urban context, including methods used for analysis of population density gradients, migration, and accessibility.		
444	APPLIED CARTOGRAPHY & GEOGRAPHIC INFORMATION SYSTEMS	3 credits
Prerequisite: 3350:340 and 3350:405 or permission. Application of analytic and presentation techniques from cartography and geographic information systems to practical problems in geography and planning. Laboratory.		
445	GIS DATABASE DESIGN	3 credits
Prerequisite: 3350:405 or permission. Introduction to theory and concepts of geographic data modeling, geodatabase design, and topology. Emphasis on current practices and methodologies in geography and planning.		
446	GIS PROGRAMMING & CUSTOMIZATION	3 credits
Prerequisite: 3350:405 or permission. Introduction to use of scripting languages for customizing the interface and extending the functionality of desktop GIS software.		
447	REMOTE SENSING	3 credits
Prerequisite: 3350:305 or permission. Concepts, systems, and methods of applying aerial photography, satellite imagery, and other remote-sensing data for analyzing geographic, geological, and other earth phenomena.		
449	ADVANCED REMOTE SENSING	3 credits
Prerequisite: 3350:447 or permission. Current research in remote sensing. Applications in study of human cultural and biophysical environment. Practice in planning, design, execution and interpretation of remote sensing studies. (Laboratory.)		
450	DEVELOPMENT PLANNING	3 credits
A study of planning concepts and techniques for developing countries, including growth and development, planning agencies, regional inequities and alternative approaches.		
460	POLITICAL GEOGRAPHY	3 credits
Principles and theory in contemporary domestic and international political geographies. Emphasis on the changing local and global patterns of electoral politics, security, and diplomacy.		

481	RESEARCH METH IN GEOG & PLAN	3 credits
Prerequisites: 12 credits in Geography and Planning. Investigation of library and archive resources. Emphasis on development of professional writing skills.		
483	SPATIAL ANALYSIS	3 credits
Prerequisite: 12 credits in Geography & Planning. Analysis of mapped statistical surfaces. Principles for use of map as model for statistical evidence, prediction, hypothesis testing.		
485	INTERN: GEOGRAPHY & PLANNING	1-3 credits
Prerequisite: permission. (May be repeated for a total of six credits.) Supervised professional experience in planning agencies or related settings. Only three credits can be used toward a degree in Geography and Planning.		
489	ST: GEOGRAPHY	1-3 credits
(May be repeated) Selected topics of interest in geography.		
490	W: GEOGRAPHY	1-3 credits
(May be repeated for a total of six credits) Group studies of special topics in geography.		
495	SOIL & WATER FIELD STUDIES	3 credits
Properties, origins and uses of major soil and water regime landscapes. Stresses relationships between soil and the hydrological cycle, urbanization, suburbanization and agriculture. Field trips required.		
496	FIELD RESEARCH METHODS	3 credits
Prerequisite: 12 credits in Geography & Planning. Field work enabling student to become competent in collecting, organizing and analysis of data while carrying out field research projects.		
497	REGIONAL FIELD STUDIES	1-3 credits
Off-campus intensive study of geographic features of a region or regions through direct observations and travel using appropriate field study methods. (repeatable up to 6 credits)		
498	HONORS RESEARCH IN GEOGRAPHY	1-3 credits
(May be repeated for a total of six credits) Prerequisite: permission of department honors preceptor, honors student only. Exploration of research topics and issues in contemporary geography. Selection of research topic and writing of research paper in proper scholarly form under direction of faculty member.		
499	CAREER ASSESSMENT SEMINAR	2 credits
Prerequisites: 24 credits in department or permission. Students demonstrate knowledge and skills acquired as geography majors through assessment testing and semester project, evaluate career options, and prepare resume and portfolio.		

100	EARTH SCIENCE	3 credits
	Introduction to earth science for non-science majors. Survey of earth in relation to its physical composition, structure, history, atmosphere, oceans; and relation to solar system and universe.	
101	INTRODUCTORY PHYSICAL GEOLOGY	4 credits
	A study of the nature of earth, its materials, and the processes which continue to change it. Laboratory, field trips.	
102	INTRODUCTORY HISTORICAL GEOL	4 credits
	Prerequisite: 3370:101. Geologic history of earth, succession of major groups of plants and animals interpreted from rocks, fossils. Laboratory, field trips.	
103	NATURAL SCIENCE: GEOLOGY	3 credits
	Study of basic principles and investigative techniques in various fields of geology with emphasis on relationship of geologic processes to society.	
104	EXERCISES IN PHYSICAL GEOLOGY	1 credits
	Prerequisites: 3370:100 or 3370:103 or 3370:200 or permission of geology adviser. Laboratory exercises on the identification of earth materials and the utilization and interpretation of geologic data and maps.	
105	GEOLOGY FOR ENGINEERS	3 credits
	Introduction of physical geology to engineers, including mechanics, hydraulics and case studies that illustrate interactions between geology and engineering. Laboratory, field trips.	
121	DINOSAURS	1 credits
	Introductory course exploring the geological occurrence, mode of fossilization, evolutionary development, habits, and sudden extinction of the largest known land vertebrates.	
122	MASS EXTINCTIONS & GEOLOGY	1 credits
	Catastrophic changes in plants and animals have occurred throughout earth history. The causes of these extinctions have sparked debate which has enlivened the scientific world.	
125	EARTHQUAKES: WHY, WHERE, WHEN?	1 credits
	Causes and effects of earthquakes, geological settings for earthquakes, seismic measurements, mechanical response of rock to stress, earthquake prediction and precautionary measures.	
126	NATURAL DISASTERS & GEOLOGY	1 credits
	A study of the earth's natural hazards including earthquakes, landslides, meteorites and tsunamis.	
127	THE ICE AGE & OHIO	1 credits
	Introductory course covering the effects of the ice age on the geology, vegetation, fauna and economy of Ohio.	
128	GEOLOGY OF OHIO	1 credits
	Survey of Ohio's geologic setting and history, natural resources, landforms, and their significance in terms of human activity, from early settlement to future economy.	
129	MEDICAL GEOLOGY	1 credits
	Abundance and distribution of trace elements in surface and groundwater, soils and rocks. The effects of trace elements to health through dose-response relationships.	
130	GEOL RECORD OF CLIMATE CHANGE	1 credits
	Examines evidence for natural climate changes in geologic past and evaluates the role of modern society in influencing future climate.	
132	GEMSTONES & PRECIOUS METALS	1 credits
	Introduction to minerals which form gemstones and precious metals. Topics to be covered include physical properties, geologic occurrences, and geographic locations of major deposits.	
133	CAVES	1 credits
	Topics include: karst processes and the origin of caverns; carbonate depositional environments and the origin of limestones; environmental problems associated with karst landscapes	
134	HAZARDOUS & NUCLEAR WASTE DISP	1 credits
	Disposition of hazardous waste in secured landfill site. Geologic factors which determine the selection of low-level and high-level radioactive waste sites.	
135	GEOLOGY OF ENERGY RESOURCES	1 credits
	Topics include the origin of hydrocarbon and coal deposits, global distribution of energy resources, environmental impact of energy consumption.	
137	EARTH'S ATMOSPHERE & WEATHER	1 credits
	Structure and composition of the atmosphere; earth's radiation budget; atmospheric moisture, clouds and precipitation; weather systems and storms, severe weather, Ohio weather.	

139	CT: GEOLOGY	1 credits
	(May be repeated for up to 2 credits.) Special topics offered once or only occasionally in areas where no formal course exists.	
140	ROCKY MOUNTAIN NATIONAL PARKS	1 credits
	Badlands, Yellowstone, Grand Canyon and other Rocky Mountain National Parks will be used to illustrate basic principles of geology.	
141	NATURAL ENVIRONMENT OF CHINA	1 credits
	Introduction to geographical and geological environments of China. Geography and geology of geoparks will be presented and discussed as examples	
171	INTRODUCTION TO THE OCEANS	3 credits
	Provides a basic introduction to the oceans. Topics include formation of the oceans, ocean circulation, waves and tides, marine animals, marine communities, and climate change.	
200	ENVIRONMENTAL GEOLOGY	3 credits
	Analysis of geologic aspects of the human environment with emphasis on geologic hazards and environmental impact of society's demand for water, minerals and energy.	
201	EXERC ENVIRONMENTL GEOLOGY I	1 credits
	Prerequisite or corequisite: 3370:200. Recognition, and evaluation of environmental problems related to geology through laboratory exercises and demonstrations which apply concepts discussed in introductory geoscience courses. Laboratory.	
203	EXERC ENVIRONMENTL GEOLOGY II	1 credits
	Prerequisites: 3370:200 (or corequisite) and 3370:201. Recognition and evaluation of environmental problems related to geology. (Continuation of 201) Laboratory.	
211	INTRO TO ENVIRONMENTAL SCIENCE	3 credits
	Interdisciplinary analysis of our relationship with nature and dependence upon the environment, with emphasis on evaluation of current environmental problems and rational solutions.	
230	MINERAL SCIENCE	4 credits
	Prerequisite: 3370:101. Corequisites: 3150:151 and 3150:152. Crystallography and chemistry of minerals. Topics also covered include physical, chemical and optical properties, occurrences and uses of the common non silicate minerals. Laboratory, field trips.	
231	SILICATE MINERAL & PETROLOGY	4 credits
	Prerequisite: 3370:101. Corequisites: 3150:151 and 3150:152. Physical and chemical properties, occurrence, and uses of common silicate minerals, followed by megascopic and microscopic identification, classification, and petrogenesis of rocks. Laboratory.	
301	ENGINEERING GEOLOGY	3 credits
	Prerequisites: Four credits in introductory physical geology and permission. Presents quantitative analysis of geologic features and processes and is supported by the study of case histories. Lecture, lab, field study, field trips.	
310	GEOMORPHOLOGY	3 credits
	Prerequisite: 3370:101. Study of landforms as a function of structure, process, and time. Laboratory, field trips.	
324	SEDIMENTATION & STRATIGRAPHY	4 credits
	Prerequisites: 3370:102 and 3370:231. Introduction to sedimentary processes and environments; stratigraphic principles and techniques. Hand specimens, thin sections, and sedimentary sequences studied. Laboratory, field trips.	
350	STRUCTURAL GEOLOGY	4 credits
	Prerequisite: 3370:101 or permission. Origins and characteristics of folds, faults, joints and rock cleavage. Structural features of sedimentary, igneous and metamorphic rocks. Laboratory, field trips.	
360	PALEOBIOLOGY	4 credits
	Prerequisite: 3370:101 or 3100:111 Introductory course emphasizing morphology and evolution of major invertebrate groups with consideration of practical applications of paleontology. Laboratory, field trips.	
371	OCEANOGRAPHY	4 credits
	Prerequisite: 3370:101. Study of the dominant feature of our planet, the oceans, emphasizing ocean basins evolution, and physical, chemical and biological processes in the various marine environments. Field trips.	
405	ARCHAEOLOGICAL GEOLOGY	3 credits
	Prerequisite: 3370:101 or permission. Provides background in geologic principles and techniques relevant to archaeologists. Topics include stratigraphy, absolute dating, locality assessment, zooarchaeology, taphonomy, and remote sensing. Laboratory, field trips.	
407	ARCHAEOGEOLOGICAL SURVEY	3 credits

Prerequisites: 3240:250 or 3370:101 or 3350:310. Advanced instruction in subsurface geophysical survey techniques in archaeology. Emphasis on magnetic gradiometry and electrical resistivity techniques, image processing and geological and archaeological interpretation.

410 REGIONAL GEOLOGY OF N AMERICA 3 credits

Prerequisites: 3370:101, 3370:102, or permission; recommended: 3370:350. Examination of physiographic provinces of North America emphasizing structure, tectonic setting, stratigraphy and processes responsible for landforms in each province. Laboratory, field trips.

411 GLACIAL GEOLOGY 3 credits

Prerequisite: permission. Causes and effects of Pleistocene expansion of polar ice masses with emphasis on glacial deposits and world climatic changes. Laboratory, field trips.

421 COASTAL GEOLOGY 3 credits

Prerequisites: 3370:101, 3370:324 or permission of instructor. Study of the origins and evolution of coasts and coastal deposits with particular attention paid to the interaction of waves and currents with sediment, and the development of associated sedimentary features. Field trips.

425 PRINC: SEDIMENTARY BASIN ANALYSIS 3 credits

Prerequisites: 3370:324 and 3370:360 or permission. Primarily the study of depositional systems, regional and global stratigraphic cycles, and sedimentation and plate tectonics.

432 OPTICAL MINERALOGY, INTRO PETROLOGY 3 credits

Prerequisites: 3370:230 and 3370:231. Optical techniques for identification, characterization, and classification of minerals and rocks using the petrographic microscope. Laboratory.

433 ADVANCED PETROLOGY 3 credits

Prerequisite: 3370:432. Petrogenesis of igneous, metamorphic and sedimentary rocks as determined by microscopic studies of textures and mineral assemblages using thin sections. Laboratory.

435 PETROLEUM GEOLOGY 3 credits

Prerequisite: 3370:350 or permission; recommended: 324. Natural occurrences of petroleum. Characteristics, origin, entrapment and exploration methods. Laboratory, field trips.

436 COAL GEOLOGY 3 credits

Prerequisites: 3370:101, 3370:102; recommended: 3370:324. Origin, composition and occurrence of coal with emphasis on depositional environments, coalification processes, exploration, evaluation and exploitation. Laboratory, field trips.

437 ECONOMIC GEOLOGY 3 credits

Prerequisites: 3370:231 and 3370:350. Study of metallic and nonmetallic mineral deposits emphasizing paragenesis and exploration. Laboratory, field trips.

441 FUNDAMENTALS OF GEOPHYSICS 3 credits

Prerequisites: 3450:223 or permission and 3650:292. Fundamental concepts in solid earth geophysics, planetary physics, geodesy, and geomagnetism. Contributions of geophysics to recent major developments in geoscience.

444 ENVIRONMENTAL MAGNETISM 3 credits

Prerequisite: 3370:101 or permission. Introduction to the theory and methods of environmental magnetism and the application of environmental magnetism to interpreting sedimentary deposits.

445 ENVIRONMENT AND ENGINEERING GEOPHYSICS 3 credits

Prerequisite: 3650:261 or 3650:291 or permission of instructor. Corequisite: 3650:262 or 3650:292 or permission of instructor. Basic subsurface exploration using ground penetrating radar and multi-channel electrical resistivity. Applications in environmental assessment, civil engineering and geotechnical engineering. Field trips.

446 EXPLORATION GEOPHYSICS 3 credits

Prerequisites: 3450:223, 3650:292 or permission. Basic principles and techniques of geophysical exploration with emphasis on gravimetric, magnetic, seismic and electrical methods and application to geological problems. Laboratory, field trips.

449 BOREHOLE GEOPHYSICS 3 credits

Prerequisite: permission. Basic principles and techniques of geophysical well logging with emphasis on electrical, radioactive, and sonic measures and their quantitative evaluation. Applications in oil, gas, and groundwater exploration. Laboratory.

450 ADVANCED STRUCTURAL GEOLOGY 3 credits

Prerequisite: 3370:350 or permission. Fundamental and advanced concepts of structural geology with emphasis on current and developing concepts. Laboratory, field trips.

451 FLD/LAB STD: ENVIRONMENTAL SCIENCE 3 credits

Prerequisite: permission of instructor. Field/Laboratory inquiry into a specific interdisciplinary, environmental science topic. Students complete a research project involving collecting, analyzing and interpreting real world data. (May be repeated once.)

452 GEOL & ENVIRON SC SRVC LEARN 1-3 credits

Prerequisite: Permission of instructor. Team service-learning project that involves collection, organization, analysis, and presentation of data. Field trips. (May be repeated for a maximum of four credits.)

453 GEOLOGY FIELD CAMP I 3 credits

Prerequisite: 3370:101 and 3370:102 and permission. Introduction to collection and interpretation of field data and construction of geologic maps. Student will bear trip expenses.

454 GEOLOGY FIELD CAMP II 3 credits

Prerequisites: 3370:231, 3370:350, 3370:453, or permission. Advanced techniques and methods of field geology necessary for detailed geological maps and interpretation. Student will bear trip expenses.

455 FIELD STUDIES IN GEOLOGY 1-3 credits

Prerequisite: Permission of instructor. Field trip course emphasizing aspects of geology not readily studied in Ohio. Includes pre-trip preparation and post-trip examination. Student will bear trip expenses. (May be repeated for a total of four credits.)

462 MACROEVOLUTION 3 credits

Prerequisites: 3370:360 or 3100:111. Provides a comprehensive treatment of macroevolutionary theory, focusing on evidence from the fossil record. Topics include genetics, speciation, development, and fossil lineages. Laboratory.

463 ENVIRONMENTAL MICROPALAEONTOLOGY 3 credits

Prerequisite: 3370:360 or permission. Introduction to techniques of micropaleontology as proxy indicators for environmental and climate change. Laboratory. Field trips.

465 GEOMICROBIOLOGY 3 credits

Prerequisites: 3150:151 and 3150:153. A course addressing the physiology, ecology, and activities of microorganisms that mediate important biogeochemical processes, and the interdisciplinary approaches to studying them.

470 GEOCHEMISTRY 3 credits

Prerequisites: 3370:101, 3370:230, and 3370:231, 3150:151, 3150:152 and 3150:153 or permission. Application of chemical principles to the study of geologic processes. Laboratory, field trips.

472 STABLE ISOTOPE GEOCHEMISTRY 3 credits

Prerequisite: 3370:101 and 3370:102; 3150:151, 3150:152 and 3150:153; 3450:221. Application of stable isotope geochemistry to the study of hydrologic and carbon cycles, modern sedimentary environments, and the interpretation of sedimentary rocks.

474 GROUNDWATER HYDROLOGY 3 credits

Prerequisite: 3370:101. Origin, occurrence, regimen and utilization of groundwater. Qualitative and quantitative presentation of geological and geochemical aspects of groundwater hydrology. Laboratory, field trips.

480 SEM: ENVIRONMENTAL STUDIES 2 credits

Discussion of specific environmental topic(s) from an interdisciplinary viewpoint; resource persons are drawn from the University and surrounding community.

481 ANALYTICAL METHODS IN GEOLOGY 2 credits

Prerequisite: 3370:230, 3370:231. A survey of analytical methods used to solve geologic problems with emphasis on method selection, proper sample collection, analysis of data quality and data presentation.

484 GEOSCIENCE INFO ACQ & MGT 2 credits

Prerequisite: Must be a Geology Department graduate student or senior major in Geology, or have permission of instructor. Methods for finding, gathering, managing, and evaluating geoscience information. Emphasis on finding data sources (including electronic), creating valid data sets, visualizing data.

485 INDIV READINGS: GEOL & ENV SC 1-3 credits

Prerequisite: permission of instructor. (May be repeated for a total of 4 credits) Independent study and directed readings on a selected topic to fit an individual student's program.

490 W: GEOLOGY & ENVIRONMENTAL SCI 1-4 credits

Group studies of special topics in geology and environmental science. May not be used to meet undergraduate major requirements in the Department. May be used for elective credit only. (May be repeated for up to 4 credits.)

491 INTERN: GEOL & ENVIRON SC 1-3 credits

Prerequisite: Permission of Department Chair. Supervised professional experience in geology or environmental science. Only three credits may be applied toward a degree in geology. (May be repeated for a total of six credits.)

497 HONORS PROJ IN GEOLOGY 1-3 credits

(May be repeated for a total of six credits.) Prerequisite: permission of department honors preceptor, Honors student only. Exploration of research topics and issues in geology. Selection of research topic and writing of research paper in proper scholarly form under direction of faculty member.

498 ST: GEOLOGY

1-3 credits

Prerequisite: permission of instructor. Special lecture courses offered once or only occasionally in areas where no formal course exists.

499 RESEARCH PROBLEMS IN GEOLOGY

1-3 credits

(May be repeated for a total of four credits) Prerequisite: permission. Independent research leading to the completion of a written paper or presentation at a professional meeting.

200	EMPIRES OF THE ANCIENT WORLD	3 credits
	Comparative study of the formation of ancient empires of the Afro-Eurasian world up to the rise of Islam.	
210	HUMANITIES IN WESTERN TRAD I	4 credits
	Prerequisites: 30 credits and completion of 3300:112 or 3300:114 or 2020:222 (or permission). Introduction to the human condition as manifested in ideas, religions, visual arts and music of Western civilization from the ancient Greeks through the Renaissance. Cannot be used to meet major requirements in History.	
211	HUMANITIES IN WESTERN TRAD II	3 credits
	Prerequisite: 3400:210. Introduction to the human condition in the past as manifested in the ideas, religions, visual arts and music of Western civilization from the Protestant Reformation to the Present. Cannot be used to meet major requirements in History.	
221	HUMANITIES IN THE WLD SNC 1300	4 credits
	Prerequisites: 32 credits and completion of 3300:112 or 3300:114 or 2020:222 (or permission). Introduction to the human condition as expressed in the ideas, religions, visual arts, and music of the world since 1300. Cannot be used to meet major requirements in History.	
250	U.S. HISTORY TO 1877	4 credits
	Historical survey from the Age of Discovery and North American colonization through the creation of the United States to the Civil War and Reconstruction.	
251	U.S. HISTORY SINCE 1877	4 credits
	Survey of United States history from the end of Federal Reconstruction to the present.	
285	WORLD CIVILIZATIONS: CHINA	2 credits
	Prerequisite: 32 credit hours including completion of 3300:112, or 3300:114, or 2020:222 or equivalent. Courses 285 through 291 are designed to provide a basic knowledge of past human experiences and an understanding of current events in key areas of the non-Western world. These courses cannot be used to meet major requirements in History.	
286	WORLD CIVILIZATIONS: JAPAN	2 credits
	Prerequisite: 32 credit hours including completion of 3300:112, or 3300:114, or 2020:222 or equivalent. Courses 285 through 291 are designed to provide a basic knowledge of past human experiences and an understanding of current events in key areas of the non-Western world. These courses cannot be used to meet major requirements in History.	
287	WORLD CIVILIZATIONS: SE ASIA	2 credits
	Prerequisite: 32 credit hours including completion of 3300:112, or 3300:114, or 2020:222 or equivalent. Courses 285 through 291 are designed to provide a basic knowledge of past human experiences and an understanding of current events in key areas of the non-Western world. These courses cannot be used to meet major requirements in History.	
288	WORLD CIVILIZATIONS: INDIA	2 credits
	Prerequisite: 32 credit hours including completion of 3300:112, or 114, or 2020:222 or equivalent. Courses 285 through 291 are designed to provide a basic knowledge of past human experiences and an understanding of current events in key areas of the non-Western world. These courses cannot be used to meet major requirements in History.	
289	WORLD CIV: MIDDLE EAST	2 credits
	Prerequisite: 30 credit hours including completion of 3300:112, or 3300:114, 2020:222 or equivalent. Courses 285 through 291 are designed to provide a basic knowledge of past human experiences and an understanding of current events in key areas of the non-Western world. These courses cannot be used to meet major requirements in History.	
290	WORLD CIVILIZATIONS: AFRICA	2 credits
	Prerequisite: 32 credit hours including completion of 3300:112, or 3300:114, or 2020:222 or equivalent. Courses 285 through 291 are designed to provide a basic knowledge of past human experiences and an understanding of current events in key areas of the non-Western world. These courses cannot be used to meet major requirements in History.	
291	WORLD CIV: LATIN AMERICA	2 credits
	Prerequisite: 32 credit hours including completion of 3300:112, or 3300:114, or 2020:222 or equivalent. Courses 285 through 291 are designed to provide a basic knowledge of past human experiences and an understanding of current events in key areas of the non-Western world. These courses cannot be used to meet major requirements in History.	
292	GLOBAL SOCIETIES: AFRICA	3 credits
	Prerequisites: Completion of 32 hours and no credit in both World Civ: Africa and Global Societies: Africa. This course surveys the major social, economic, political, and cultural transformations in Africa, and explores interconnected global histories in on regional context.	
296	GLOBAL SOCIETIES: LATIN AMERIC	3 credits
	Prerequisites: Completion of 32 hours and no credit in both World Civ: Latin America and Global Societies: Latin America. This course surveys the major social, economic, political, and cultural transformations in Latin America, and explores interconnected global histories in on regional context.	

297	GLOBAL SOCIETIES: MIDDLE EAST	3 credits
Prerequisites: Completion of 32 hours and no credit in both World Civ: Middle East and Global Societies: Middle East. This course surveys the major social, economic, political, and cultural transformations in Africa, and explores interconnected global histories in on regional context.		
300	IMPERIAL CHINA	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. Selective study of institutional, intellectual, political and artistic developments in Chinese civilization from antiquity to 18th century. Emphasis on general features of traditional Chinese culture.		
301	MODERN CHINA	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. This course examines the domestic and global roots of China's 20th century modernization and their relationship to the challenges China now faces.		
303	MODERN EAST ASIA	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. Exploration of domestic and global factors that shaped modern East Asia (Japan, China, Korea and Vietnam).		
307	THE ANCIENT NEAR EAST	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. Mesopotamia, Egypt; Israel, and neighbors to Persian Empire.		
308	GREECE	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. Minoans and Mycenaeans; classical Greece to triumph of Macedon.		
310	HISTORICAL METHODS	3 credits
Introduction to historical research and writing. Required for history major.		
313	EASTRN ROMAN EMPIRE (324-1453)	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. Byzantine culture and history from 324 to the fall of 1453.		
317	ROMAN REPUBLIC	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. An intensive survey of the Roman Republic. Attention will be given to the nature of the source material, ancient historiography, text criticism and the like.		
318	ROMAN EMPIRE	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. An intensive survey of the Roman Empire. Attention will be given to the nature of the source material, ancient historiography, text criticism and the like.		
319	MEDIEVAL EUROPE, 500-1200	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. Migration of peoples, Carolingian revival, renewed invasions; social, economic and intellectual stirrings lead to birth of Europe.		
320	MEDIEVAL EUROPE, 1200-1500	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. Middle Ages and the middle class; economic and political change, international wars, social unrest and religious crosscurrents.		
321	EUR: RENAISS RELG WAR 1350-1610	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. Survey of the social, political, economic, religious, and intellectual history of Early Modern Europe from the Italian Renaissance to the early 17th century.		
322	EUROPE: ABSOL/REVOL 1610-1789	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. Survey of the social, political, economic, religious, and intellectual history of Early Modern Europe from the Thirty Years War to the French Revolution.		
323	EUROPE: REVOLU TO WW 1789-1914	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. Surveys the political, economic, social, and cultural history of modern Europe from the French Revolution to the First World War.		
324	EUROPE: WW I TO THE PRESENT	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. A survey of European political and social history from World War I to the present.		
325	WOMEN IN MODERN EUROPE	3 credits
Prerequisite: a minimum of 32 credits or permission of the instructor. A survey of the history of women in Europe since 1500, with emphasis on their roles and the changes attendant on modernization.		
330	MODERN AFRICA	3 credits

This course will introduce major themes in modern African history, from the trans-Atlantic, slave trade, through the colonial and post-independence periods.

335 RUSSIA TO 1801 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. Survey of Russian history from Kievan period to death of Paul I, emphasizing development of autocratic government, Russian culture, reigns of Peter and Catherine.

336 RUSSIA SINCE 1801 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. Survey of 19th and 20th centuries. Special emphasis on problems of modernization, the revolution and development of communism.

337 FRANCE NAPOLEON TO DEGAULLE 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. Combines a study of Napoleon and DeGaulle with a survey of the political, economic, social, and cultural/artistic trends of modern French history.

338 ENGLAND TO 1688 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. Survey of English history from the Anglo-Saxon conquest to the Revolution of 1688. Medieval and early modern institutions, social and cultural life.

339 ENGLAND SINCE 1688 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. Survey of English history from 1688 to the present. The reform of English institutions and life, modernization of the economy, the welfare state, society and war.

340 SEL T: HISTORY 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. Includes experimental offerings such as those crossing subject of chronological lines, and subjects not listed in this General Bulletin. See departmental office for current subject.

341 ISLAMIC FUNDAMENTALISM & REVOL 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. The political and socio-economic roots of Islamic reformism and militancy in the Middle East and North Africa since the 1960s.

342 THE CRUSADES THROUGH ARAB EYES 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. Political and military struggles, diplomatic practices and intellectual traditions of the Medieval Islamic/Arab world and the Western crusaders.

345 NATIVE NORTH AMERICAN HISTORY 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. The histories of Native Americans from Columbus to the present, emphasizing a half-millennium of adaptive responses to the presence of Europeans in North America.

350 U.S. WOMEN'S HISTORY 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. History of American women's experiences and exploration of gender as a changing structure shaping American life from the colonial period through the 20th century.

351 GLOBAL HIST:ENCNTRS & CONFLCTS 4 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. This course explores historical encounters between societies to explain the development of the integrated economic, political, and cultural systems presently characterizing the modern world.

352 THE AMERICAN WEST 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. Examination of westward movement from revolution to closing of frontier; types of frontiers; impact of west on nation's development.

354 AMERICAN IMMIGRATION 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. Examination of European migrants to American colonies and United States, their reasons for leaving Europe and coming to America, and their experience after arrival.

355 AMERICAN RELIGIOUS HISTORY 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. Addresses critical issues and figures in American religious history from the colonial era to present, including ways ideas have influenced political and judicial discourse.

356 SPORTS IN AM HIST SINCE 1865 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. An examination of the reciprocal relationship between sports and various institutions of society: culture, religion, politics, education, economics, race, ethnicity, diplomacy and gender.

358 URBAN AMERICA 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. This course looks at the significance of cities and urban development in shaping American society.

360 UNITED STATES MILITARY HISTORY 3 credits

Prerequisite: a minimum of 32 credits or permission of the instructor. Survey of United States military history from the colonial era to the present.

361	AFRICAN AMER HISTORY,1492-1877	3 credits
	Prerequisite: a minimum of 32 credits or permission of the instructor. This course focuses on African American history, culture and heritage from 1492 to 1877.	
362	AFRICAN AMER HISTORY,1877-PRES	3 credits
	Prerequisite: a minimum of 32 credits or permission of the instructor. This course focuses on African American history, culture and heritage from 1877 to present.	
363	AFRICAN AMERICAN MEN'S HISTORY	3 credits
	Prerequisite: a minimum of 32 credits or permission of the instructor. This course will examine the experiences of African American Men from historical, socio-economic, philosophical, religious/spiritual, and psychological standpoints.	
371	SEL T: NORTH AMERICAN HISTORY	3 credits
	Prerequisite: a minimum of 32 credits or permission of the instructor. Selected topics addressing the history of North America (from the Rio Grande to the Arctic). Contact the department office concerning specific topics.	
372	SEL T: EUROPEAN HISTORY	3 credits
	Prerequisite: a minimum of 32 credits or permission of the instructor. Selected topics addressing European history from the collapse of the Roman Empire to the present. Contact the department office concerning specific topics.	
373	SEL T: OTHER	3 credits
	Prerequisite: a minimum of 32 credits or permission of the instructor. Selected historical topics on Africa, Asia, Latin America, the ancient world and world history. Contact the department office concerning specific topics.	
377	HISTORY OF WOMEN IN LATIN AMER	3 credits
	Prerequisite: a minimum of 32 credits or permission of the instructor. Survey of changes and continuities in the lives of Latin American women since the colonial period; emphasis on gender, race, class in shaping women's experiences.	
378	SPAN CNQST & COLNIZTN OF AMER	3 credits
	Prerequisites: A minimum of 32 credits or permission of the instructor. Course examines the conquest, colonization, and three-centuries-long Spanish rule in Latin America since 1492. Emphasis on culture, power inequalities, issues of identity, and memory.	
379	MODERN LATIN AMERICA	3 credits
	Prerequisite: a minimum of 32 credits or permission of the instructor. This course examines the history of Latin America during the national period, ca. 1820s to the present. Focus on politics, economic systems, and nation-state formation.	
381	HISTORY OF CANADA	3 credits
	Prerequisite: a minimum of 32 credits or permission of the instructor. Survey of Canadian history from the age of the explorers to the present. Special emphasis will be placed on the history of French-Canadians, on economic development and on Canadian-American relations.	
382	THE VIETNAM WAR	3 credits
	Prerequisite: a minimum of 32 credits or permission of the instructor. An examination and evaluation of all aspects of the war in Vietnam, political, military, diplomatic and economic, including its impact domestically then and later.	
392	INTERNSHIP IN HISTORY	1-3 credits
	Prerequisites: 64 credits, History major or minor, prior completion of 16 credits in History (not including Humanities in the Western Tradition or World Civilizations), minimum 2.5 history GPA, and permission of instructor. Individual field experience in applied history. May be repeated up to 6 credits; 4 credits to apply to the 32 credit minimum for a history major.	
395	MODERN IRAN	3 credits
	Prerequisite: A minimum of 32 credits or permission of the instructor. This course on modern Iran explores the country's history of nationalism, identity, gender, and religion, and its place in world history.	
396	IRAQ IN HISTORICAL PERSPECTIVE	3 credits
	Prerequisite: a minimum of 32 credits or permission of the instructor. This course will offer a complex and nuanced look into the history of Iraq and will situate current events firmly in their historical context.	
397	INDIVIDUAL STUDY IN HISTORY	1-3 credits
	(May be repeated for a total of four credits) Prerequisite: permission. For individual study or research in history, including special projects, summer study tours or specialized training.	
400	GENDER AND CULTURE IN CHINA	3 credits
	Prerequisite: a minimum of 48 credits or permission of the instructor. This course examines the dynamic between gender and culture from late imperial to post-socialist China, with connections drawn to public policies in different periods.	
401	JAPAN & PACIFIC WAR, 1895-1945	3 credits
	Prerequisite: a minimum of 48 credits or permission of the instructor. The rise of Japanese militarism, Japan's drive to create an empire in East and Southeast Asia, 1895-1945, and its role in the Pacific War, 1937-45.	
404	STUDIES IN ROMAN HISTORY	3 credits

Prerequisite: a minimum of 48 credits or permission of the instructor. Concentrated investigation of selected topics, such as imperialism in middle and late Republic, the age of Augustus, or the fall of western Empire.		
409	IMPERIAL SPAIN, 1469-1700	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. This course examines the rise and fall of Spain as the first world power. It will cover Spanish political, cultural, and social history, 1469-1700.		
410	HISTORY AND FILM	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Repeatable once with permission. Examines films as historical experiences, historical events, and artifacts of history. Themes and foci will vary.		
416	MODERN INDIA	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. History of the Indian subcontinent from c. 1500 with emphasis on India society and culture, British imperialism, and the emergence of Indian nationalism.		
417	LATIN AMERICA AND THE US	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Inter-American relations viewed from Latin American and U.S. perspectives; U.S. policy, imperialism, economic and cultural influences.		
418	HISTORY OF BRAZIL SINCE 1500	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Survey of the economic, political, social and cultural history of Brazil since 1500.		
424	THE RENAISSANCE	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. The age of transition from the Middle Ages to modern times (1350-1600). Special emphasis on intellectual trends, the development of humanism, and the fine arts.		
425	THE REFORMATION	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Europe in 16th century; its religious, cultural, political and diplomatic development, with special emphasis on Protestant, Anglican and Catholic reformations.		
429	EUR: FRENCH REV ERA-1789-1815	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Development of Revolution; Napoleon's regime and satellites.		
438	NAZI GERMANY	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. This course covers the social, economic, and political history of Germany from World War I to 1945 with emphasis on the Third Reich.		
440	TUDOR & STUART BRIT, 1485-1714	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. An examination of the development of, and increasing links between the British kingdoms in the early modern period, with emphasis on culture, politics, and religion.		
443	CHURCHILLS ENGLAND	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. An examination of the changes that Britain experienced during the life of Winston Churchill, 1874-1965. Emphasis is on cultural, social, and political developments.		
451	COLONIAL AMERICAN HISTORY	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. This course covers the history of colonial America from the first European contact in the Americas in 1492 to the onset of the American Revolution.		
452	AMER REV ERA: PL MIL & CON ASP	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. The struggle for the rights of Englishmen and independence; the impact of war on American society and the creation of republican institutions.		
453	THE EARLY AMERICAN REPUBLIC	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. The evolution of the American republic from its early beginnings after the American Revolution to the antebellum era. Emphasis upon political, social, and cultural developments.		
454	CIVIL WAR & RECONST, 1850-1877	4 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Sectionalism, slavery and the causes of the Civil War; wartime activities of the Union and Confederacy; leading personalities; problems of reconstruction and the new Union.		
455	ORIGINS MOD AMERICA, 1877-1917	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. United States from Reconstruction Era to World War I (1877-1920); emphasis on political responses to rise of an industrialized-urbanized society, the populist and progressive movements.		
456	AMER WWARS & DEPRESS 1917-1945	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. World War I and Versailles; the 1920s, the Great Depression and the New Deal; World War II.		
457	THE UNITED STATES SINCE 1945	3 credits

Prerequisite: a minimum of 48 credits or permission of the instructor. Nuclear age, cold war, foreign policy and domestic affairs to present. Social, political, constitutional, diplomatic, cultural and economic changes since 1945.		
461	THE U.S.AS A WORLD POWER	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. The course analyzes the emergence and functioning of the United States as a world power, with particular emphasis on the 20th century.		
463	U.S. CONST HISTORY SINCE 1870	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. This course examines the evolution of constitutional government from the drafting of the U.S. Constitution (1787) to present.		
465	AMERICAN ECONOMY SINCE 1900	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Survey of economic developments since 1900; topics include agriculture, business and labor. Special emphasis on role of big business and evolution of monetary and fiscal policy.		
467	HIST OF AMERICAN POP CULTURE	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Historical analysis of mass cultural phenomena and the social experiences associated with mass technologies that transformed modern America life in the 19th and 20th centuries.		
468	AFRICAN-AMER SOC & INT HISTORY	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Examination of black thought and activities reflective of African-American culture, conditions facing black people within America and efforts toward coordinated black activity.		
469	AFRICAN-AMER WOMEN'S HISTORY	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Study of black American women's lives from colonial times to the present featuring autobiographical. Fictional and secondary works authored by black women.		
470	OHIO HISTORY	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Political, social, economic and intellectual history of Ohio, with special emphasis on Ohio's relationship to Old Northwest and to the nation.		
471	AMERICAN ENVIRONMENTAL HISTORY	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Utilization, conservation of natural resources from beginnings of American society to present; combination of economic, technological history of extensive treatment of public policy, environmental issues.		
475	MEXICO	3 credits
History of Mexico from Indian civilizations to present with emphasis on relations with United States; social and political ramifications of the 20th Century Mexican revolution.		
476	CENTRAL AMERICA & CARIBBEAN	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Selected aspects of the histories of Central American and Caribbean countries with emphasis on populist and peasant movements, political reform, social revolution, economic and under development, and relations with the United States.		
483	HISTORY IN VIDEO GAMES	3 credits
Prerequisite: Sophomore standing or permission of instructor. Examines the presentation of history in video games analyzing them for accuracy, bias, structural limitations, and utility as teaching tools.		
484	MUSEUMS AND ARCHIVES	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. This course will focus on the work of history museums, historical societies and historic house museums and archives.		
485	HISTORY, COMMUNITIES & MEMORY	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Course examines the interactions between the work of academic historians and the public in areas such as local history, monuments, oral history, film and the Internet.		
487	SCIENCE & TECH IN WORLD HIST	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. This course examines the development and diffusion of science and technology in human history, its impact on society, culture, and daily life.		
489	OTTOMAN STATE AND SOCIETY	3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Explores political, economic, and social dynamics of one of the world's most enduring and expansive multiethnic empires.		
491	HONORS SEMINAR IN HISTORY	3 credits
Prerequisite: permission of department head or instructor. Selected readings; writing of research paper. For student seeking to graduate with honors in history and for student in Honors Program.		

- 492 HONORS PROJECT IN HISTORY 1-3 credits
Prerequisite: 64 credits. An individual research project relevant to history, supervised by a member of the Department of History, culminating in an undergraduate thesis.
- 493 SP ST: NORTH AMERICAN HISTORY 3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Special studies in the history of North America (Rio Grande to Arctic). See department office for information on particular offerings.
- 494 W: HISTORY 1-3 credits
(May be repeated) Group studies of special subjects pertaining to history. May be used for elective credit only. May not be used to meet undergraduate or graduate major requirements in history.
- 495 SP ST: EUROPEAN HISTORY 3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Special studies in European history from the fall of the Roman Empire to the present. See department office for information on particular offerings.
- 496 SP ST IN HISTORY:OTHER 3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. Special studies in the history of Latin America, Asia, Africa or the Pacific. See department office for information on particular offerings.
- 498 RACE, NATION & CLASS - M EAST 3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. This course analyzes identity politics and the development of the ideas of race, nation, and class in the Middle East from a historical perspective.
- 499 WOMEN & GENDER IN MID EAST SOC 3 credits
Prerequisite: a minimum of 48 credits or permission of the instructor. This course explores the multi-layered processes and dimensions, including texts, cultural values and practices, institutions, and events, which have shaped women's experiences in the Middle East.

135	MATHEMATICS FOR EVERYDAY LIFE	3 credits
Prerequisites: Completion of 2010:052 or 2010:057 or 2010:084 with a grade of C- or better or placement test. Contemporary applications of mathematics for the non-science major to develop skills in logical thinking and reading technical material. Topics include voting, apportionment, scheduling, patterns, networks.		
140	FUND OF MATH FOR PRIMARY EDUC	3 credits
Prerequisites: Placement, or completion of 3470:250 with a grade of C- or better, or permission. Corequisite: 5100:200. A problem-solving and inquiry-based approach to number systems; bases; operations, properties, relationships, algorithms of Real Numbers; patterns and algebra.		
145	ALGEBRA FOR CALCULUS	4 credits
Prerequisite: Placement, 2010:85 with a grade of C or better, or permission. Real numbers, equations and inequalities, linear and quadratic functions. Exponential and logarithmic functions. Systems of equations, matrices, determinants. Permutations and combinations.		
149	PRECALCULUS MATHEMATICS	4 credits
Prerequisite: Completion of 145 with a grade of C- or better or placement. Functions, polynomial functions, complex numbers, exponential and logarithmic functions, systems of equations, trigonometric functions, mathematical inductions, sequences, and binomial theorem.		
208	INTRO TO DISCRETE MATH	4 credits
Prerequisites: Completion of 3450:145 or 3450:149 with a grade of C- or better or placement. A foundation course in discrete mathematics with applications. Topics include sets, number systems, Boolean Algebra, logic, relations, functions, recursion, matrices, induction, graphs, and trees.		
209	DISCRETE MATH FOR EDUCATORS	4 credits
Prerequisite: Completion of 140 with a grade of C- or better. Corequisite: 231. Introduction to discrete mathematics topics for middle school instruction: sets, counting, probability, recurrence relations, graph theory, logic and elementary proof techniques.		
210	CALCULUS WITH BUSINESS APPLIC	3 credits
Prerequisites: Mathematics Placement Test or completion of 3450:145 with a grade of C- or better. Review of functions, derivatives of functions, extrema and concavity, optimization, logarithmic and exponential functions, extrema for multivariate functions. Graphing calculator required. For business or economics majors only.		
215	CONCEPTS OF CALCULUS	4 credits
Prerequisite: Completion of 145 or 149 with a grade of C- or better or placement. Functions; limits and continuity; differentiation and applications of differentiation; logarithmic and exponential functions; integration and applications of integration; partial differentiation.		
221	ANALYTIC GEOMETRY-CALCULUS I	4 credits
Prerequisite: Completion of 149 with a grade of C- or better, or placement. Limits; continuity; rates of change; derivatives and applications algebraic, trigonometric, transcendental functions; curve sketching, antiderivatives and integration, areas.		
222	ANALYTIC GEOMETRY-CALCULUS II	4 credits
Prerequisite: Completion of 221 with a grade of C- or better. Methods and applications of integration; sequences, series and power series; Taylor polynomials and Taylor series; parametric and polar coordinates.		
223	ANALYTIC GEOMETRY-CALC III	4 credits
Prerequisite: Completion of 222 with a grade of C- or better. Vector algebra, cylindrical, spherical coordinates, vector-valued functions, curvature; functions of several variables, limit, continuity, partial derivatives, differentials, directional derivatives, maxima and minima, multiple integrals, Divergence Theorem.		
231	MODEL WTH ALGEB & TRANSCEND FN	4 credits
Prerequisites: Completion of 3450:140 with a grade of C- or better or placement test or permission. Modeling and regression with algebraic, exponential, logarithmic, and trigonometric functions; systems of equations and matrices. These topics will be enhanced by the use of CAS.		
240	MATH FOUND FOR EARLY CHLD EDUC	3 credits
Prerequisite: Completion of 140 with a grade of C- or better. A problem-solving and inquiry-based approach to functions and algebra, coordinate and Euclidean geometry, and elementary data analysis.		
289	SEL T: MATHEMATICS	1-3 credits
Prerequisite: permission. Selected topics of interest in mathematics.		
307	FUND: ADVANCED MATHEMATICS	3 credits
Prerequisite: Completion of 222 with a grade of C- or better. Logic, solving problems, and doing proofs in mathematics. Sets, extended set operations, and indexed family sets, induction. Binary relations. Functions, cardinality. Introductory concepts of algebra and analysis.		
312	LINEAR ALGEBRA	3 credits

Prerequisite: Completion of 223 with a grade of C- or better or permission of instructor. Study of vector spaces, linear transformations, matrices, determinants, inner products, the eigenvalue problem, quadratic forms and canonical forms.		
331	MODELING WITH CALCULUS	4 credits
Prerequisite: Completion of 231 with a grade of C- or better. Introduction to limits, continuity, differentiation with applications, integration with applications, sequences and series. These topics will be enhanced by the use of CAS.		
335	INTRO TO ORDINARY DIFF EQUATNS	3 credits
Prerequisite: Completion of 223 with a grade of C- or better or permission of instructor. Basic techniques for solving ODEs and systems of ODEs. Analysis of models involving differential equations of first order and simple equations of second order.		
341	GEOMETRY AND MEASUREMENT	3 credits
Prerequisites: Completion of 209 with a grade of C- or better, or 307 with a grade of C- or better and be admitted to the College of Education. Basic Constructions, Polygons, Similarity, Pythagorean Theorem, Circles, Congruence, Perimeters and Areas of Plane Figures, Surface and Volume of Solids, Rigid Motions and Symmetry, Coordinate geometry.		
401	HISTORY OF MATHEMATICS	3 credits
Prerequisite : Completion of 307 with a grade of C- or better. Origin and development of mathematical ideas.		
410	ADVANCED LINEAR ALGEBRA	3 credits
Prerequisite: Completion of 312 with a grade of C- or better. Study of vector spaces, linear transformation, canonical and quadratic forms, inner product spaces.		
411	ABSTRACT ALGEBRA I	3 credits
Prerequisite: Completion of 307 with a grade of C- or better or permission of instructor. Study of groups, rings, fields, integral domains.		
412	ABSTRACT ALGEBRA II	3 credits
Prerequisite: Completion of 411 with a grade of C- or better or permission of instructor. Study of groups, rings, fields, integral domains, vector spaces, field extensions, Galois theory.		
413	THEORY OF NUMBERS	3 credits
Prerequisite: Completion of 222 with a grade of C- or better or permission. Euclidean algorithm, unique factorization theorem, congruences, primitive roots, indices, quadratic residues, number-theoretic functions, Gaussian integers and continued fractions.		
415	COMBINATORICS & GRAPH THEORY	3 credits
Prerequisite: Completion of 222 with a grade of C- or better or permission. Introduction to basic ideas and techniques of mathematical counting; properties of structure of systems.		
420	MATH TECH AND COMMUNICATION	3 credits
Prerequisites: Completion of 222 and 312 with grades of C- or better, or permission. Graphical, numerical, and algebraic computation with applications using a variety of mathematical hardware and software: symbolic manipulators, dynamic geometry software, programs, scripts and web-browsers.		
421	ADVANCED CALCULUS I	3 credits
Sequential. Prerequisite: Completion of 223 with a grade of C- or better; 307 is highly recommended. Real number system, sequences, series, set theory, continuity, differentiation, integration, partial derivatives, multiple integration, maxima and minima, convergence and uniform convergence, power series, improper integrals, transformations, line and surface integrals.		
422	ADVANCED CALCULUS II	3 credits
Sequential. Prerequisite: Completion of 421 with a grade of C- or better or permission of instructor. Real number system, sequences, series, set theory, continuity, differentiation, integration, partial derivatives, multiple integration, maxima and minima, convergence and uniform convergence, power series, improper integrals, transformations, line and surface integrals.		
425	COMPLEX VARIABLES	3 credits
Prerequisite: Completion of 223 with a grade of C- or better. Complex variables; elementary functions, differentiation and analytic functions; integration and Cauchy's theorem; power series and Laurent series; residue theorem; applications such as conformal mappings, inversion of integral transform.		
427	APPLIED NUMERICAL METHODS I	3 credits
Prerequisites: Completion of 222 and 3460:209 with grades of C- or better or permission. Numerical methods in polynomial interpolation, rootfinding, numerical integration, and numerical linear algebra.		
428	APPLIED NUMERICAL METHODS II	3 credits

Prerequisites: Completion of 335 and 427 with grades of C- or better or permission. Numerical methods in the solution of ordinary and partial differential equations. Numerical differentiation, Runge-Kutta methods, and iterative methods for ODEs, finite differences for PDEs.

430 NUM SOLUT FOR PARTL DIFF EQUA 3 credits

Prerequisite: Completion of 428 with a grade of C- or better or equivalent. For advanced undergraduate and graduate students. The study of finite difference and finite element methods for partial differential equations consistency, stability, convergence and computer implementation.

432 PARTIAL DIFFERENTIAL EQUATIONS 3 credits

Prerequisite: Completion of 335 with a grade of C- or better. The classical initial value and boundary value problems of mathematical physics developed and solved using Fourier series and integral transforms.

435 SYSTEMS OF ORD DIFF EQUATIONS 3 credits

Prerequisites: Completion of 335 and either 312 or 428 with grades of C- or better or permission. Analysis, solution of systems of equations, linear, nonlinear. Topics: stability theory, perturbation methods, asymptotic methods, applications from physical, social sciences.

436 MATHEMATICAL MODELS 3 credits

Prerequisite: Completion of 335 with a grade of C- or better, and a six-hour sequence in an approved applied area, or permission. Formulation and analysis of mathematical models in social and physical sciences. Analysis of deterministic and stochastic models. Topics may include stochastic processes, linear programming, graph theory, theory of measurement.

438 ADVANCED ENGINEERING MATH I 3 credits

Prerequisites: Completion of 335 and 312 with grades of C- or better or permission. Matrices, eigenvalue problems, systems of ODEs, vector analysis, complex variables.

439 ADVANCED ENGINEERING MATH II 3 credits

Prerequisites: Completion of 335 and 312 with grades of C- or better or permission. Special functions, Fourier series and transforms, PDEs.

441 CONCEPTS IN GEOMETRY 4 credits

Prerequisite: 307 with a grade of C- or better or permission of instructor. Axiomatic treatment of both Euclidean and non-Euclidean geometries. Other concepts included are finite geometry, transformations, constructions and inversions.

445 INTRODUCTION TO TOPOLOGY 3 credits

Prerequisite: Completion of 307 with a grade of C- or better or permission of instructor. Introduction to topological spaces and topologies, mappings, cardinality, homeomorphisms, connected spaces, metric spaces.

489 T: MATHEMATICS 1-4 credits

(May be repeated for a total of 12 credits) Prerequisite : permission of instructor. Selected topics in mathematics and applied mathematics at an advanced level.

491 W: MATHEMATICS 1-4 credits

(May be repeated) Group studies of special topics in mathematics and applied mathematics. May not be used to meet undergraduate or graduate major requirements. May be used for elective credit.

497 INDIV READING: MATH 1-2 credits

Prerequisites: senior standing and permission. Mathematics or applied mathematics majors only. Directed studies designed as an introduction to research problems, under guidance of selected faculty member.

498 SENIOR HONORS PROJECT: MATH 1-3 credits

Prerequisite: Permission of Instructor. Directed study for senior student in the Honors Program. An introduction to research problems in mathematics and applied mathematics under the guidance of selected faculty. May be repeated for up to six credits.

101	ESSENTIALS OF COMPUTER SCIENCE	3 credits
	Explore major topics in Computer Science - computing systems, data representation, hardware, programming topics, and important applications such as networks, robotics, databases, and gaming.	
125	DESCRIPTIVE COMPUTER SCIENCE	2 credits
	Computer literacy: terminology; methods, media for data representation, storage; elements of a computing system; data organization.	
126	INTRO TO VISUAL BASIC PROGRAMMING	3 credits
	Windows GUI and Microsoft's Visual BASIC programming environment. Design of user interfaces, event-driven programming, basic control structures, simple variables, arrays, and sequential files.	
209	COMPUTER SCIENCE I	4 credits
	Prerequisite: Completion of 3450:145 or 3450:149 with a grade of C- or better or equivalent. Introduction to problem-solving methods and algorithms. Programming in a high-level language including how to design, code, debug and document programs with good programming style.	
210	COMPUTER SCIENCE II	4 credits
	Prerequisites: 3460:209 and 3450:208 with a grade of C- or better or equivalent. Dynamic memory allocation methods, elementary data structures, internal representations, and associated algorithms. Topics include lists, stacks, queues, trees, and sorting methods.	
289	SEL T: COMPUTER SCIENCE	1-3 credits
	Prerequisite: permission. Selected topics of interest in computer science.	
306	ASSEMBLY & SYSTEM PROGRAMMING	4 credits
	Prerequisite: Completion of 210 or equivalent with a grade of C- or better. Basic computer organization, digital logic, and data representation. Programming in assembly and C languages on a typical digital computer.	
307	INTERNET SYSTEMS PROGRAMMING	3 credits
	Prerequisite: Completion of 210 or equivalent with a grade of C- or better. Overview of current programming languages, tool and scripting technologies for the Internet and World Wide Web.	
316	DATA STRUCTURES	3 credits
	Prerequisites: Completion of 3460:210 and (3450:221 or 3450:210) with grades of C- or better. A continuation of topics in 3460:210. Topics include: graphs and graph algorithms, external sorting, hashing, advanced tree and file structures.	
389	INTER TOP: COMPUTER SCIENCE	1-3 credits
	Prerequisite: permission of instructor. Selected topics of interest in computer science at an intermediate level.	
395	INTERN: COMPUTER SCIENCE	1-12 credits
	Prerequisites: Completion of 3460:209 and 3460:210 with grades of C- or better, and permission of a faculty supervisor. Placement in industry for experience related to computer science. (May be repeated to a maximum of 12 credit hours. No more than three credits may be applied towards a computer science major.)	
406	INTRODUCTION TO C & UNIX	3 credits
	Prerequisite: programming experience. Syntax of C with flow structures, pointers, and command line concepts. For UNIX, shell scripts, UNIX file structure, system calls and interprocess communication protocols. (Not an approved mathematics and computer science major, minor, or certificate elective.)	
408	WINDOWS PROGRAMMING	3 credits
	Prerequisites: Completion of 208 or 210 or 406 with a grade of C- or better or permission. Windows operating systems, integrated development environment, event-driven programming, graphical user interface design, object libraries, component object model, object linking, embedding, client-server objects.	
418	INTROD TO DISCRETE STRUCTURES	3 credits
	Prerequisite: Completion of 210 with a grade of C- or better or permission. Introduction to a number of structures in algebra of particular use to student in computer science. Topics include algorithms and flow chart language, graphs and digraphs, trees, lattices codes.	
421	OBJECT-ORIENTED PROGRAMMING	3 credits
	Prerequisite: Completion of 210 with a grade of C- or better. Object-oriented design, analysis, and programming using different development models. Comparison with other programming paradigms.	
426	OPERATING SYSTEMS	3 credits
	Prerequisites: Completion of 3460:316 and 4450:320 or equivalents with grades of C- or better. Introduction to aspects of all modern operating systems: types; storage management; process and resource control; interacting process synchronization.	
428	UNIX SYSTEM PROGRAMMING	3 credits

Prerequisite: Completion of 210 with a grade of C- or better and knowledge of C. An overview of the UNIX operating system. Shell programming. Process management, processor management, storage management, scheduling algorithms, resource protection, and system programming.

430 THEORY OF PROGRAMMING LANGS 3 credits

Prerequisite: Completion of 210 with a grade of C- or better. Advanced concepts underlying programming languages and their applications, formal definitions of programming languages, Backus Normal Form, semantics. Alternative programming paradigms including functional programming.

435 ALGORITHMS 3 credits

Prerequisite: Completion of 316 with a grade of C- or better. Design and analysis of efficient algorithms for random access machines; derivation of pattern classification algorithms.

440 COMPILER DESIGN 3 credits

Prerequisites: Completion of 210 and (4450:320 or 3460:306), with a grade of C- or better. Techniques used in constructing compilers, including lexical and syntactic analysis, parsing techniques, object code generation and optimization. Course requires a compiler implementation project.

445 INTRODUCTION TO BIOINFORMATICS 3 credits

Prerequisite: Completion of 210 with a grade of C- or better or permission. Introduce major themes in bioinformatics. Topics include concepts of molecular genetics, biological databases, database searching, sequence alignments, phylogenetic trees, structure prediction, and microarray data analysis.

453 COMPUTER SECURITY 3 credits

Prerequisites: Completion of 210 with a grade of C- or better. Principles of computer security -- cryptography, authentications, secure network protocols, intrusion detection and countermeasures.

455 DATA COMMUN & COMP NETWORKS 3 credits

Prerequisites: Completion of 210 with a grade of C- or better. ISO-OSI, TCP/IP, SNA data switching, protocols, flow and error control, routing, topology, Network trends, network taxonomies, and socket-based programming.

457 COMPUTER GRAPHICS 3 credits

Prerequisite: Completion of 210 with a grade of C- or better and knowledge of C. Topics in vector and raster graphics, interactive graphics languages, scan conversion, clipping, geometric transformation, projection, shading, animation and virtual reality.

460 ARTIFICIAL INTEL & HEURIST PRG 3 credits

Prerequisite: Completion of 210 with a grade of C- or better. Study of various programs which have displayed some intelligent behavior. Exploration of level at which computers can display intelligence.

463 PERVASIVE COMPUTING 3 credits

Prerequisites: Completion of 210 with a grade of C- or better. Computing from a wireless perspective. Topics include protocols, algorithms, security and sensor networks.

465 COMPUTER ARCHITECTURE 3 credits

Prerequisite: Completion of 210 and (4450:320 or 3460:306), with a grade of C- or better. An introduction to the hardware organization of the computer at the register, processor and systems level. In-depth study of the architecture of a particular computer system family.

468 MOBILE ROBOTICS 3 credits

Prerequisites: Completion of 210 with a grade of C- or better. Introduction to history, hardware and software components, and design of autonomous mobile robots. Multiple projects involving both physical robots and software emulation.

475 DATABASE MANAGEMENT 3 credits

Prerequisite: Completion of 210 with a grade of C- or better. Fundamentals of database organization, data manipulations and representation, data integrity, privacy.

477 INTRO TO PARALLEL PROCESSING 3 credits

Prerequisites: Completion of 3460:316 with a grade of C- or better and knowledge of C. Commercial processors: past and present. Parallel languages, models of parallel computation, parallel algorithm design and performance evaluation. Parallel paradigms with relation to real world applications.

480 SOFTWARE ENGINEERING 3 credits

Prerequisite: Completion of 210 with a grade of C- or better. Introduction to formal software specification and validation. Introduction of methodologies and tools of design, development and validation, and maintenance.

489 T: COMPUTER SCIENCE 1-3 credits

Prerequisite: permission of instructor. Selected topics in computer science at an advanced level.

490 SENIOR SEMINAR IN COMPUTER SCI 3 credits

Prerequisites: Must have completed at least 30 hours of 3460 (computer science) courses. Corequisites: 3460:435 and [3460:426 or 4450:325]. Professional software development, surviving Mission Impossible projects, computer ethics, intellectual property rights (patents and copyrights), and other current topics.

497 INDIV STUDY: COMPUTER SCIENCE 1-3 credits

(May be repeated. Can apply to degree, minor or certificate only with department approval.) Prerequisite: permission. Directed studies designed as introduction to research problems under guidance of designated faculty member.

498 SR HONORS PROJ IN COMP SCIENCE 1-3 credits

Prerequisites: 497 (honors). Directed study for senior student in the Honors Program who has completed 3460:497. An introduction to research problems in the computer science under the guidance of selected faculty.

250	STATISTICS FOR EVERYDAY LIFE	4 credits
Prerequisite: Mathematics Placement Test. Conceptual approach to the basic ideas and reasoning of statistics. Topics include descriptive statistics, probability (uncertainty), statistical inference (estimation and hypothesis testing). Computer applications laboratory.		
260	BASIC STATISTICS	3 credits
Prerequisite: Mathematics Placement Test. Applied approach to data description and statistical inference (hypothesis testing, estimation). Analysis of ratios, rates, and proportions. Computer applications. Laboratory.		
261	INTRODUCTORY STATISTICS I	2 credits
Prerequisite: Mathematics Placement Test. Descriptive statistics, tabular and graphical data displays; probability, probability distributions. Introduction to statistical inference (hypothesis testing, estimation); one-sample parametric and nonparametric methods. Computer applications.		
262	INTRODUCTORY STATISTICS II	2 credits
Prerequisite: 261 or equivalent. Parametric and nonparametric methods of statistical inference for paired data and two-sample problems; one-way ANOVA, simple linear regression and correlation. Computer applications.		
289	SEL T: STATISTICS	1-3 credits
Prerequisite: Permission. Selected topics of interest in statistics.		
360	STATISTICAL INVESTIGATIONS	3 credits
Prerequisites: 3470:250 or 3470:260 or 3470:262. This course provides practical statistical methods beyond the introductory course. The topics include design of experiments, data analysis, multiple regression and modern software use.		
401	PROBABILITY & STAT FOR ENGINRS	2 credits
Prerequisite: 3450:222. Introduction to probability, statistics, random variables, data descriptions, statistical inference, confidence intervals, hypothesis testing, design of experiments, and applications of statistics to engineering.		
450	PROBABILITY	3 credits
Prerequisite: 3450:221. Introduction to probability, random variables and probability distributions, expected value, sums of random variables, Markov processes.		
451	THEORETICAL STATISTICS I	3 credits
Sequential. Prerequisite: 3450:223. Elementary combinatorial probability theory, probability distributions, mathematical expectation, functions of random variables, sampling distributions, point and interval estimation, tests of hypotheses, regression and correlation, introduction to experimental designs.		
452	THEORETICAL STATISTICS II	3 credits
Sequential. Prerequisite: 3470:451. Elementary combinatorial probability theory, probability distributions, mathematical expectation, functions of random variables, sampling distributions, point and interval estimation, tests of hypotheses, regression and correlation, introduction to experimental designs.		
461	APPLIED STATISTICS	4 credits
Prerequisite: 3450:222 or equivalent. Applications of statistical theory to natural and physical sciences and engineering, including probability distributions, interval estimation, hypotheses testing (parametric and nonparametric), and simple linear regression and correlation.		
462	APPLIED REGRESSION AND ANOVA	4 credits
Prerequisites: 461 or equivalent or permission. Applications of the techniques of regression and multifactor analysis of variance.		
465	DESIGN OF SAMPLE SURVEYS	3 credits
Prerequisite: 461 or equivalent. Design and analysis of frequently used sample survey techniques.		
469	RELIABILITY MODELS	3 credits
Prerequisite: 461. Selected topics in reliability modeling including parametric and nonparametric models, competing modes of failure, censored data and accelerated life models.		
470	BIostatISTICS AND EPIDEMIOLOGY	3 credits
Prerequisite: 261 and 262 or 461, or equivalent. Biostatistics and Epidemiological methods for biological and medical studies, including ANOVA, analysis of repeated measures, disease-related measures, log-linear models, and clinical trials.		
471	ACTUARIAL SCIENCE I	3 credits
Prerequisite: 451 or 461 or equivalent. Study of various statistical, financial, and mathematical calculations used to determine insurance premiums related to contingent risks based on individual risk model frameworks.		
472	ACTUARIAL SCIENCE II	3 credits
Prerequisite: 471. Continuation of Actuarial Science I. Study of multiple life functions, multiple decrement models, valuation theory for pension plans, insurance models including expenses, nonforfeiture benefits and dividends.		
473	SURVIVAL ANALYSIS	3 credits

Prerequisite: 3470:461. Basic concepts in survival analysis, censoring and data truncation, estimation of survival models, nonparametric hazard and survival function estimation, comparing survival times between groups.

475 FOUNDATIONS OF STAT QUAL CNTRL 3 credits

Prerequisite: 461 or equivalent. Course provides a solid foundation in the theory and applications of statistical techniques widely used in industry.

477 TIME SERIES ANALYSIS 3 credits

Prerequisite: 450, or 451, or 561. Stationarity. ARIMA modeling with seasonality. Parameter estimation, model diagnostics and forecasting. Regression with autocorrelated errors. Cointegration and multivariate ARMA models. Heteroscedasticity and long-memory models

480 STATISTICAL DATA MANAGEMENT 3 credits

Prerequisites: 461. Students learn data organization and structures, design of statistical data bases, statistical software analysis, importing and exporting data between software, and missing data analysis.

483 ADVANCED STATISTICAL COMPUTING 3 credits

Prerequisite: 3470:461 or equivalent. Topics include data management, random number generation, resampling methods, numerical optimization, Markov Chain Monte Carlo, smoothing methods, data mining: clustering and classification.

485 APPL ANALYTICS-DECISION TREES 3 credits

Prerequisite: 461 or permission. Selected topics in predictive modeling using CHAID, Classification and Regression Trees, Logistic Regression and Neural Networks

489 T: STATISTICS 1-3 credits

(May be repeated for a total of six credits) Prerequisite: permission. Selected topics in advanced statistics, including quality control, reliability, sampling techniques, decision theory, advanced inference, stochastic processes and others.

491 W: STATISTICS 1-3 credits

(May be repeated with change of topic) Group studies of special topics in statistics. May not be used to meet undergraduate or graduate major requirements in mathematics and statistics. May be used for elective credit only.

495 STATISTICAL CONSULTING 1-3 credits

Prerequisite: 3470:462 or 3470:480 or permission. Students will learn about various aspects of statistical consulting and will work on current projects of the Center for Statistical Consulting. May be repeated for a total of 4 credits.

497 INDIV READING: STATISTICS 1-2 credits

(May be repeated for a total of four credits) Prerequisites: senior standing and permission. Directed studies in statistics designed as introduction to research problems under guidance of selected faculty member.

498 SENIOR HONORS PROJECT 1-3 credits

Prerequisite: 489 (honors). Directed study for senior student in the University Honors Program who has completed 3450:489 (honors). An introduction to research problems in the mathematical sciences under the guidance of selected faculty.

101	BEG: MODERN LANGUAGE I	4 credits
	Sequential. Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations, through culturally authentic media and texts.	
102	BEG: MODERN LANGUAGE II	4 credits
	Sequential. Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations, through culturally authentic media and texts.	
201	INTER: MODERN LANGUAGE I	3 credits
	Sequential. Prerequisite: 102 or equivalent. Continuing acquisition of competence in reading, writing, speaking, and listening comprehension through use of culturally authentic materials, with emphasis on developing accuracy and self-expression in a wide range of situations.	
202	INTER: MODERN LANGUAGE II	3 credits
	Sequential. Prerequisite: 102 or equivalent. Continuing acquisition of competence in reading, writing, speaking, and listening comprehension through use of culturally authentic materials, with emphasis on developing accuracy and self-expression in a wide range of situations.	
422	MOD LANG: ST ADV LANG SKL OR L	1-4 credits
	Prerequisite: Modern Languages 202 or equivalent. Development of specialized language skills or reading of significant works of literature or culture not studied in other courses.	
490	W: MODERN LANGUAGES	1-4 credits
	Prerequisite: permission of instructor. (May be repeated for a total of 8 credits) Group studies of special topics in modern languages.	
497	INDIV READING: MOD LANG	1-3 credits
	Prerequisites: 202 and permission of department chair.	
498	SENIOR HONORS PROJECT	1-3 credits
	(May be repeated for a total of six credits) Prerequisites: senior standing in Honors Program and permission. Open only to language major enrolled in Honors Program. Independent study leading to completion of senior honors thesis or other original work.	

101	BEGINNING ARABIC I	4 credits
	Sequential. Acquisition of basic speaking, listening comprehension skills, with emphasis on development of self-expression in everyday situations, through culturally authentic media and texts.	
102	BEGINNING ARABIC II	4 credits
	Sequential. Prerequisite: 101 or equivalent. Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations, through culturally authentic media and texts.	
201	INTERMEDIATE ARABIC I	4 credits
	Sequential. Prerequisite: 102 or equivalent. Continuing acquisition of competence in speaking, listening comprehension, reading and writing through use of culturally authentic materials, with emphasis on developing accuracy and self-expression. (Conducted in Arabic).	
202	INTERMEDIATE ARABIC II	4 credits
	Sequential. Prerequisite: 201 or equivalent. Continuing acquisition of competence in speaking, listening comprehension, reading and writing through use of culturally authentic materials, with emphasis on developing accuracy and self-expression. (Conducted in Arabic).	
210	ARABIC CULTURE THROUGH FILM	3 credits
	Prerequisites: 32 credit hours including English Composition I and II (3300:111, 112) or equivalent. Exploration of Arabic culture through viewing of films subtitled in English. Readings and discussions in English. Does not count toward minor in Arabic.	
301	COMPOSITION AND CONVERSATION	4 credits
	Prerequisite: 202 or equivalent. Further development of language skills acquired at the intermediate level: Writing, Speaking, Listening Comprehension and Reading. (Conducted in Arabic).	
302	ARABIC MEDIA	4 credits
	Prerequisite: 202 or equivalent. Further development of practical language skills with a focus on Arabic media. The course also will enrich students' ½ understanding of Arabic culture. (Conducted in Arabic).	
303	INTRO:MODERN ARABIC LITERATURE	4 credits
	Prerequisite: 202 or equivalent. Enhancement of students' communicative skills with emphasis on development of the ability to read, appreciate and discuss Modern Arabic Literature. (Conducted in Arabic).	
304	CULTURAL READINGS IN ARABIC	4 credits
	Prerequisite: 202 or equivalent. Enhancement of communicative skills in Arabic with a focus on development of the ability to read, appreciate and discuss Arabic writing. (Conducted in Arabic).	
311	ARABIC CULTURAL EXP ABROAD	1-8 credits
	Prerequisite: Permission of Department Chair. Residence and study abroad in an Arabic-speaking country. May be repeated once with different content. Only 8 credits allowable for minor in Arabic.	
422	ST: ARABIC	1-4 credits
	Prerequisite: Two of the group 301,302,303,304 or permission of instructor. Development of specialized language skills or reading of significant works of literature or culture not studied in other courses. (Conducted in Arabic.) (May be repeated once with different topic for a maximum total of 8 credits.)	
497	INDIV READING: ARABIC	1-4 credits
	Prerequisite: 202 and permission of the instructor and department chair. Individual study under the guidance of professor. May be repeated once with departmental permission for a total of 8 credits.	

101	BEGINNING CHINESE I	4 credits
	Sequential. Acquisition of basic reading, speaking, writing, and listening comprehension skills, with emphasis on development of self-expression in everyday situations through culturally authentic media and texts.	
102	BEGINNING CHINESE II	4 credits
	Sequential. Prerequisite: 101 or equivalent. Acquisition of basic reading, speaking, writing, and listening comprehension skills, with emphasis on development of self-expression in everyday situations through culturally authentic media and texts.	
201	INTERMEDIATE CHINESE I	4 credits
	Sequential. Prerequisite: 102 or equivalent. Continuing acquisition of speaking, listening, comprehension, reading, and writing competency through use of culturally authentic materials; emphasis on developing accuracy of self-expression. (Conducted in Chinese.)	
202	INTERMEDIATE CHINESE II	4 credits
	Sequential. Prerequisite: 201 or equivalent. Continuing acquisition of speaking, listening, comprehension, reading, and writing competency through use of culturally authentic materials; emphasis on developing accuracy of self-expression. (Conducted in Chinese.)	
210	CHINESE CULTURE THROUGH FILM	3 credits
	Prerequisites: 32 credit hours including English Composition I and II (3300:111, 112) or equivalent. Exploration of Chinese culture through viewing of films subtitled in English. Readings and discussions in English. Does not count toward minor in Chinese.	
301	CHINESE CONVERSATION	4 credits
	Prerequisite: 202 or equivalent. Continuing development of oral expression, listening comprehension and conversational ability, with emphasis on expressing and supporting opinions. (Conducted in Chinese.)	
302	CHINESE COMPOSITION	4 credits
	Prerequisite: 202 or equivalent. Development of writing skills through intensive practice and study of written expression in Chinese. Emphasis on composing extensive descriptive narrations and personal letters. (Conducted in Chinese.)	
303	CHINESE CONV THROUGH MEDIA	4 credits
	Sequential. Prerequisite: 202 or equivalent. Development of oral expression and listening comprehension, with emphasis on discussing current topics and expressing and supporting opinions based on media clips. (Conducted in Chinese.)	
304	CHINESE READING AND WRITING	4 credits
	Prerequisite: 202 or equivalent. Continuing development of reading ability through study of Chinese publications, and writing summaries of the texts. (Conducted in Chinese.)	
311	CHINESE CULTURAL EXP ABROAD	1-8 credits
	Prerequisite: Permission of Department Chair. Residence and study abroad in a Chinese-speaking country. May be repeated once with different content. Only 8 credits allowable for minor in Chinese.	
422	ST: LANG SKLS, OR CULT OR LIT	1-4 credits
	Prerequisite: Two of the group 301,302,303,304 or permission of instructor. Development of specialized language skills or reading of significant works of literature or culture not studied in other courses. (May be repeated once under different topic for a total of 8 credits.)	
497	INDIV READING: CHINESE	1-4 credits
	Prerequisite: 202 and permission of the instructor. Individual study under guidance of professor who directs and coordinates student's reading and research. May be repeated once for a total of 8 credits.	

101	BEGINNING LATIN I	4 credits
	Sequential. Reading, writing and translation; oral and written drill; analysis of grammatical structure and English vocabulary building.	
102	BEGINNING LATIN II	4 credits
	Sequential. Prerequisite: 101 or equivalent. Reading, writing and translation; oral and written drill; analysis of grammatical structure and English vocabulary building.	
190	ENGL WORDS LATIN & GREEK ELEM	3 credits
	The influence of Latin and Greek on English vocabulary with some attention to the use of these languages in the scientific and legal fields. No foreign language is necessary.	
201	INTERMEDIATE LATIN I	3 credits
	Prerequisite: 102 or equivalent. A survey of readings of the less difficult authors such as Pliny, Caesar, Plautus, Cicero's Letters or equivalent material.	
202	INTERMEDIATE LATIN II	3 credits
	Prerequisite: 201 or equivalent. A survey of readings of the less difficult authors such as Pliny, Caesar, Plautus, Cicero's Letters or equivalent material.	
303	ADVANCED LATIN I	3 credits
	Prerequisites: 202 or equivalent. Satirists, dramatists, philosophical, religious writers, lyric and elegiac poets, medieval writers. (May be repeated for credit with change of subject)	
304	ADVANCED LATIN II	3 credits
	Prerequisites: 202 or equivalent. Satirists, dramatists, philosophical, religious writers, lyric and elegiac poets, medieval writers. (May be repeated for credit with change of subject)	
497	LATIN READING & RESEARCH	3 credits
	Prerequisite: permission of instructor. Generally Latin epigraphy, prose composition or philology; numismatics or certain other archaeological topics may be offered. (May be repeated for credit with change of subject)	
498	LATIN READING & RESEARCH	3 credits
	Prerequisite: permission of instructor. Generally Latin epigraphy, prose composition or philology; numismatics or certain other archaeological topics may be offered. (May be repeated for credit with change of subject)	

101	BEGINNING FRENCH I	4 credits
	Sequential. Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations, through culturally authentic media and texts.	
102	BEGINNING FRENCH II	4 credits
	Sequential. Prerequisite: 101 or equivalent. Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations, through culturally authentic media and texts.	
201	INTERMEDIATE FRENCH I	3 credits
	Sequential. Prerequisite: 102 or equivalent. Continuing acquisition of competence in reading, writing, speaking, and listening comprehension through use of culturally authentic materials, with emphasis on developing accuracy and self-expression in a wide range of situations.	
202	INTERMEDIATE FRENCH II	3 credits
	Sequential. Prerequisite: 201 or equivalent. Continuing acquisition of competence in reading, writing, speaking, and listening comprehension through use of culturally authentic materials, with emphasis on developing accuracy and self-expression in a wide range of situations.	
300	CONTEMP FRENCH AND FRANCO CULT	3 credits
	Prerequisite: 3520: 202 or permission. Introduction to contemporary lives and cultures in France and other Francophone countries as portrayed in recent documents, literary works and films.	
301	FRENCH CONVERSATION	3 credits
	Sequential. Prerequisite: 202 or equivalent. Development of speaking skills beyond the intermediate level. Practice of listening comprehension, correct pronunciation, extended and grammatically sound discourse. May be repeated for a total of six credits.	
302	FRENCH COMPOSITION	3 credits
	Sequential. Prerequisite: 202 or equivalent. Development of writing skills beyond intermediate level.	
303	FRENCH CULTURE & CIVILIZATN I	3 credits
	Prerequisite: 202 or equivalent. History of France and French cultural heritage from its origins to mid-20th century.	
304	FRENCH CULTURE & CIVILIZATN II	3 credits
	Prerequisite: 202 or equivalent. Modern history of France. Focus on political and social trends since 1960.	
305	INTRODUCTION TO FRENCH LIT I	3 credits
	Prerequisite: 202 or equivalent. Survey of French literature from its origins to present, with lectures, reading and class discussion of representative works.	
306	INTRODUCTION TO FRENCH LIT II	3 credits
	Prerequisite: 202 or equivalent. Survey of French literature from its origins to present, with lectures, reading and class discussion of representative works.	
308	INTERNSHIP IN FRANCE	1-3 credits
	Permission of the French section advisor. (May be taken for a total of six credits. No more than three credits may be applied toward a 3520 major.) Student's internship which results in portfolio on career applications of the discipline of French.	
311	CONTEMPORARY FRENCH SOCIETY	3 credits
	Prerequisite: 202 or equivalent. A study of contemporary French society, including customs and political and social issues. Conducted in France. Counts toward Culture and Civilization requirement for major.	
312	FRENCH CULT EXP ABROAD	1-3 credits
	Prerequisite: Permission of the French section advisor. May be taken for a total of six credits. No more than three credits may be applied toward a 3520 major. Student's residence and independent study/project in French-speaking country which results in demonstrable understanding of the country's culture	
315	FRENCH PHONETICS	3 credits
	Prerequisite or corequisite: 202 or equivalent. Intensive drill in pronunciation with correction and improvement of student's accent, emphasis on articulation, intonation and rhythm.	
350	THEMES IN FRENCH LIT IN TRANSL	3 credits
	Prerequisite: 3400:210 or 3400:221. (May not be taken for credit toward the French major) Readings, discussion of novels and plays relating to selected themes of French literature. Texts and discussion in English.	
351	TRANSLATION: FRENCH	3 credits
	Prerequisite: 202 or equivalent. Study of translation techniques, both French to English and English to French. Emphasis on stylistics and interpretation of idioms.	
352	TRANSLATION: BUSINESS FRENCH	3 credits
	Prerequisite: 351 or equivalent. Application of translation techniques with particular stress on business styles, formats, and vocabulary. Especially recommended for students interested in international business.	

402	ADVANCED FRENCH GRAMMAR	3 credits
	Prerequisite: 302 or equivalent. Advanced study of normative French grammar with emphasis on syntax, morphology, grammatical structure and phonetic principles.	
403	ADV FRENCH: WRITTEN & ORAL COM	3 credits
	Prerequisite: 301 & 302 or permission. Development of writing and speaking skills beyond that achieved in 301 and 302 through intensive practice and grammar review.	
407	FRENCH LIT OF MID AGES & RENAI	4 credits
	Prerequisite: 305 or 306 or equivalent. Reading and discussion of selected Medieval and Renaissance literary works. Conducted in French.	
413	FRENCH CINEMA	3 credits
	Prerequisites: 301 or 302; or permission from instructor. Study and discussion of various aspects of French culture and civilization as characterized in movies.	
419	19TH CENTURY FRENCH LITERATURE	4 credits
	Prerequisite: 305 or 306 or equivalent. Reading and discussion of selected works pertaining to romantic, realistic and naturalistic movements. Conducted in French.	
422	FRENCH: ST ADV LNG SKL CULT LI	1-4 credits
	Prerequisite: 202 or equivalent. (May be repeated) Development of specialized language skills or reading of significant works of literature or culture not studied in other courses.	
427	20TH CENTURY FRENCH LITERATURE	4 credits
	Prerequisite: 305 or 306 or equivalent. Reading and discussion of the most representative works of period. Conducted in French.	
430	CONTEMPORARY QUEBEC	3 credits
	Prerequisite: 301, or 302 or permission. Historical, political, sociological and cultural overviews of Québec, offering an in-depth examination of questions of identity through the study of literature and popular culture.	
431	FRANCOPHONE LITERATURE	3 credits
	Prerequisite: 300 or 301 or 302 or permission. The problematics of identity (race, class) in postcolonial context, studied through literary texts by authors from Africa, Caribbean, and Québec.	
460	SEL THEMES: FRENCH LIT	3 credits
	(May be repeated.) Conducted in French. Prerequisite: 305 and 306 or equivalent. Reading and discussion of literary works selected according to an important theme.	
497	INDIVIDUAL READING IN FRENCH	1-3 credits
	Prerequisite: 202 and permission of department chair.	
498	INDIVIDUAL READING IN FRENCH	1-3 credits
	Prerequisite: 202 and permission of department chair.	

101	BEGINNING GERMAN I	4 credits
	Sequential. Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations, through culturally authentic media and texts.	
102	BEGINNING GERMAN II	4 credits
	Sequential. Prerequisite: 101 or equivalent. Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations, through culturally authentic media and texts.	
201	INTERMEDIATE GERMAN I	3 credits
	Sequential. Prerequisite: 102 or equivalent. Continuing acquisition of competence in reading, writing, speaking, and listening comprehension through use of culturally authentic materials, with emphasis on developing accuracy and self-expression in a wide range of situations.	
202	INTERMEDIATE GERMAN II	3 credits
	Sequential. Prerequisite: 201 or equivalent. Continuing acquisition of competence in reading, writing, speaking, and listening comprehension through use of culturally authentic materials, with emphasis on developing accuracy and self-expression in a wide range of situations.	
301	GERMAN CONVERSATION & COMPOSIT	3 credits
	Prerequisite: 202 or equivalent. Advanced composition using German models, special attention to words and idioms, development of oral expression and conversational ability.	
302	SPEC TOPIC IN GERMN CONV & COM	3 credits
	Prerequisite: 202 or equivalent or permission of instructor. May be repeated for credit. Special attention to development of oral expression and conversational ability.	
310	SEX, VIOL, TER IN GER FRY TALE	3 credits
	Exploration of historical context of German fairy tales and interpretation plus modern significance of texts according to Jungian archetypal psychology. Readings and discussions in English.	
403	ADVANCED GERMAN CONV & COMP	3 credits
	Prerequisite: 302 or equivalent. Thorough analysis of syntax, morphology, phonetic principles and grammatical structure.	
404	ADVANCED GERMAN CONV & COMP	3 credits
	Prerequisite: 302 or equivalent. Thorough analysis of syntax, morphology, phonetic principles and grammatical structure.	
406	GERMAN CULTURE & CIVILIZATION	3 credits
	Prerequisite: 302 or 306 or equivalent. Particular emphasis on customs, traditions, literary trends and artistic tendencies that constitute German's contribution to Western civilization.	
407	GERMAN CULTURE & CIVILIZATION	3 credits
	Prerequisite: 302 or 306 or equivalent. Particular emphasis on customs, traditions, literary trends and artistic tendencies that constitute German's contribution to Western civilization.	
422	GRMN: ST ADV LANG SKL/CULT/LIT	1-4 credits
	Prerequisite: 202 or equivalent. (May be repeated) Development of specialized language skills or reading of significant works of literature or culture not studied in other courses.	
497	INDIVIDUAL READING IN GERMAN	1-3 credits
	Prerequisite: 202 and permission of department chair.	
498	INDIVIDUAL READING IN GERMAN	1-3 credits
	Prerequisite: 202 and permission of department chair.	

101	BEGINNING ITALIAN I	4 credits
	Sequential. Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations, through culturally authentic media and texts.	
102	BEGINNING ITALIAN II	4 credits
	Sequential. Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations, through culturally authentic media and texts.	
201	INTERMEDIATE ITALIAN I	3 credits
	Sequential. Prerequisite: 102 or equivalent. Continuing acquisition of competence in reading, writing, speaking, and listening comprehension through use of culturally authentic materials, with emphasis on developing accuracy and self-expression in a wide range of situations.	
202	INTERMEDIATE ITALIAN II	3 credits
	Sequential. Prerequisite: 102 or equivalent. Continuing acquisition of competence in reading, writing, speaking, and listening comprehension through use of culturally authentic materials, with emphasis on developing accuracy and self-expression in a wide range of situations.	
301	ITALIAN COMPOSITION & CONVERSA	3 credits
	Prerequisite: 202 or equivalent. Italian composition using Italian models, special attention to words and idioms and development of oral expression and conversational ability.	
302	ITALIAN COMPOSITION & CONVERSA	3 credits
	Prerequisite: 202 or equivalent. Italian composition using Italian models, special attention to words and idioms and development of oral expression and conversational ability.	
422	ITALIAN: ST ADV LNG SKL CULT L	1-4 credits
	Prerequisite: 202 or equivalent. (May be repeated) Development of specialized language skills or reading of significant works of literature or culture not studied in other courses.	
497	INDIVIDUAL READING IN ITALIAN	1-3 credits
	Prerequisite: 202 and permission of the department chair.	

101	BEGINNING JAPANESE I	4 credits
Sequential. Acquisition of basic reading, speaking, writing, and listening comprehension skills.		
102	BEGINNING JAPANESE II	4 credits
Sequential. Prerequisite: 101 or equivalent. Acquisition of basic reading, speaking, writing, and listening comprehension skills.		
201	INTERMEDIATE JAPANESE I	3 credits
Sequential. Prerequisite: 102 or equivalent. Continuing development of reading, writing, speaking, and listening comprehension skills.		
202	INTERMEDIATE JAPANESE II	3 credits
Sequential. Prerequisite: 201 or equivalent. Continuing development of reading, writing, speaking, and listening comprehension skills.		
210	JAPANESE CULTURE THROUGH FILM	3 credits
Prerequisites: 32 credit hours including English Composition I and II (3300:111, 112) or equivalent. Exploration of various aspects of Japanese culture through viewing of films. Films are subtitled in English. Readings and discussions in English.		
422	ST: LANG SKILLS, CULTURE, LIT	3 credits
Prerequisite: 202 or equivalent. (May be repeated). Development of specialized language skills or reading of significant works of literature or culture not studied in other courses.		
497	INDIVIDUAL READING IN JAPANESE	1-3 credits
Prerequisite: 202 or permission of the department chair. Directed study in an area of individual interest chosen by the student in consultation with the instructor.		

- 101 BEGINNING RUSSIAN I 4 credits
Sequential. Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations, through culturally authentic media and texts.
- 102 BEGINNING RUSSIAN II 4 credits
Sequential. Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations, through culturally authentic media and texts.
- 201 INTERMEDIATE RUSSIAN I 3 credits
Sequential. Prerequisite: 102 or equivalent. Continuing acquisition of competence in reading, writing, speaking, and listening comprehension through use of culturally authentic materials, with emphasis on developing accuracy and self-expression in a wide range of situations.
- 202 INTERMEDIATE RUSSIAN II 3 credits
Sequential. Prerequisite: 102 or equivalent. Continuing acquisition of competence in reading, writing, speaking, and listening comprehension through use of culturally authentic materials, with emphasis on developing accuracy and self-expression in a wide range of situations.
- 497 INDIVIDUAL READING IN RUSSIAN 1-3 credits
Prerequisite: 202 and permission of the department chair.

101	BEGINNING SPANISH I	4 credits
	Sequential. Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations, through culturally authentic media and texts.	
102	BEGINNING SPANISH II	4 credits
	Sequential. Prerequisite: 101 or equivalent. Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations, through culturally authentic media and texts.	
103	INTSV FIRST YR SPANISH-HYBRID	4 credits
	Prerequisites: Permission of Department of Modern Languages. First year elementary Spanish in hybrid format for those who have some experience learning Spanish.	
104	BEGINNING MEDICAL SPANISH I	3 credits
	Development of basic Spanish medical oral expression by studying health terminology and practicing conversational skills. Development of an awareness of Hispanic cultures. Conducted in Spanish.	
105	BEGINNING MEDICAL SPANISH II	3 credits
	Prerequisites: Completion of 3580:104 with a C+ or better. Development of basic Spanish medical written expression by studying health terminology and practicing writing. Development of an awareness of Hispanic cultures. Conducted in Spanish.	
106	BEGINNING MEDICAL SPANISH III	3 credits
	Prerequisites: Completion of 3580:105 with a C+ or better. Development of Spanish medical written expression by studying health terminology and practicing writing. Development of an awareness of Hispanic cultures. Conducted in Spanish.	
111	INTENSIVE BEGIN SPANISH I	4 credits
	Sequential. Prerequisite: Minimum of two years of prior study of Spanish at the secondary level or the equivalent, or a satisfactory score on the UA Spanish Placement Examination, or permission of the instructor. Acquisition of basic reading, speaking, writing, and listening comprehension skills, with emphasis on development of self-expression. Sequence covers the entire first year in one semester.	
112	INTENSIVE BEGIN SPANISH II	4 credits
	Sequential. Prerequisite: Completion of 3580:101 with a grade of B or better, or completion of 3580:111 with a grade of C or better, or a minimum of three years of prior study of Spanish at the secondary level or the equivalent and/or a satisfactory score on the UA Spanish Placement Examination, or permission of the instructor. Acquisition of basic reading, speaking, writing, and listening comprehension skills, with emphasis on development of self-expression. Sequence covers the entire first year in one semester.	
201	INTERMEDIATE SPANISH I	3 credits
	Sequential. Prerequisite: 102 or equivalent. Continuing acquisition of competence in reading, writing, speaking, and listening comprehension through use of culturally authentic materials, with emphasis on developing accuracy and self-expression in a wide range of situations.	
202	INTERMEDIATE SPANISH II	3 credits
	Sequential. Prerequisite: 201 or equivalent. Continuing acquisition of competence in reading, writing, speaking, and listening comprehension through use of culturally authentic materials, with emphasis on developing accuracy and self-expression in a wide range of situations.	
211	INTENSIVE INTERMD SPANISH I	3 credits
	Prerequisites: Completion of 3580:102 with a grade of B or better, or completion of 3580:112 with a grade of C or better, or minimum of three years of prior study of Spanish at the secondary level or the equivalent and/or a satisfactory score on the UA Spanish Placement Examination, or permission of the instructor. Continuing acquisition of reading, speaking, writing, and listening comprehension skills, with emphasis on development of self-expression. Sequence covers entire year in one semester.	
212	INTENSIVE INTERMD SPANISH II	3 credits
	Prerequisites: completion of 3580:201 with a grade of B or better, or completion of 3580:211 with a grade of C or better, or minimum of three years of prior study of Spanish at the secondary level or the equivalent and/or a satisfactory score on the UA Spanish Placement Examination, or permission of the instructor. Continuing acquisition of reading, speaking, writing, and listening comprehension skills, with emphasis on development of self-expression. Sequence covers entire second year in one semester.	
250	HISPANIC LIT IN TRANSLATION	3 credits
	Prerequisites: 3400:210 or 3400:221. (May not be taken for credit toward the Spanish major or minor.) Reading, discussion of novels, short stories of major Hispanic authors. Texts and discussion in English.	
301	SPANISH CONVERSATION	3 credits

Prerequisite: 202 or equivalent. Development of oral expression, listening comprehension and conversational ability. May be repeated for a total of six credits.		
302	SPANISH COMPOSITION	3 credits
Prerequisite: 3580:202 or equivalent. Development of writing skills through intensive practice and study of written expression in Spanish. Conducted in Spanish. May be repeated for a total of six credits.		
303	SPANISH GRAMMAR	3 credits
Prerequisite: 3580:202 or equivalent. Post-intermediate review and study of grammar and basic principles of grammatical analysis. Conducted in Spanish.		
307	SPAN CONV: HEALTH PROFESSIONS	3 credits
Prerequisites: 3580:202 and permission of instructor. Students will gain intermediate to advanced level oral competency in Spanish in order to conduct interviews and communicate in Spanish with Spanish-speakers		
308	SPAN COMP: HLTH PROF/FIRST RES	3 credits
Prerequisites: 3580:202 and permission of instructor. Students will gain intermediate to advanced level written competency in Spanish, write and translate documents so to communicate with Spanish-speaking patients in the medical setting.		
311	SPANISH/SPANISH-AM CULT EXPER	1-6 credits
Prerequisite: Permission of department chair. Student's residence and study in a Spanish-speaking country. Repeatable once with different content, 12 credits maximum. Only 9 credits may be applied to Spanish minor.		
322	SPECIAL TOPICS: SPANISH	3 credits
Prerequisite: 3580:202. Development of specialized language and/or cultural skills for special purposes.		
330	SPANISH UNDERGRAD PROF INTERN	1-6 credits
Prerequisites: Completion of 3580:202 or equivalent with a minimum 3.0 GPA in Spanish and students will need to notify a faculty advisor in the Spanish section to seek permission and approval for the enrollment in the internship course the semester prior to the experience. Students will participate in cooperating local, regional, national and international professions of community organizations to apply their proficiency in Spanish in a real-world setting.		
340	INTRO TO SPANISH & SP-AMER LIT	3 credits
Prerequisite: two of the group 301, 302, and 303 or permission of instructor. Reading and discussion of Spanish and Spanish-American literature of all genres. Introduction to the fundamentals of literary criticism and literary movements. Conducted in Spanish.		
351	SPANISH FOR PROFESSIONALS: BUS	3 credits
Prerequisites: 301, 302, and 303 or permission of instructor. Study of business terminology as well as cultural factors affecting the conduct of business with Hispanic nations and populations. Conducted in Spanish.		
360	HISPANIC CULTURE THROUGH FILM	3 credits
Prerequisite: Two of the group 301, 302 and 303 or permission of instructor. An articulation and analysis of important themes in contemporary Hispanic culture presented through film. An introduction to film criticism. Conducted in Spanish.		
401	ADVANCED SPANISH CONVERSATION	3 credits
Prerequisites: 301 and either 302 or 303 or permission of instructor. Development of speaking skills at a level beyond that achieved in 301. Conducted in Spanish. Repeatable for up to 6 credits.		
402	ADVANCED SPANISH COMPOSITION	3 credits
Prerequisite: 302 and either 301 or 303 or permission of instructor. Development of writing skills at a level beyond that achieved in 302. Conducted in Spanish. Repeatable for up to 6 credits.		
403	ADVANCED GRAMMAR	3 credits
Prerequisites: 303 and either 301 or 302 or permission of instructor. Advanced study of Spanish syntax and grammatical analysis. Conducted in Spanish.		
404	INTRO: SPANISH LINGUISTICS	4 credits
Prerequisites: 401, 402, and 403 or permission of instructor. This course provides a detailed overview of the structure of Spanish and areas of inquiry within linguistics: phonetics, phonology, morphology, syntax, semantics and applied fields.		
405	SPANISH LINGUISTICS: PHONOLOGY	4 credits
Prerequisite: 401, 402, and 403 or permission of instructor. Descriptive study of Spanish phonetics and morphology, comparison of Spanish and English sounds, historical aspects, regional accents and sociolinguistic variation. Conducted in Spanish.		
406	SPANISH LINGUISTICS: SYNTAX	4 credits
Prerequisite: 401, 402, and 403 or permission of instructor. Descriptive study of Spanish syntax; introduction to theories of grammar; overview of Spanish semantics and pragmatics. Conducted in Spanish.		
407	SURVEY OF HISPANIC LIT: SPAIN	4 credits

Prerequisites: 340 and two of the group 401, 402, 403 or permission of instructor. Study of the most representative works and literary movements in Spain from the Middle Ages to the present. Conducted in Spanish.		
408	SURVEY OF HISPANIC LIT: SP-AM	4 credits
Prerequisites: 340 and two of the group 401, 402, 403 or permission of instructor. Study of the most representative works and literary movements in Spanish-America from the Discovery to the present. Conducted in Spanish.		
409	CULTURAL MANIF MED & REN SPAIN	4 credits
Prerequisite: 407 or 408 or permission of instructor. Comparative study of representative artistic and literary works of the Medieval and Renaissance periods. Conducted in Spanish.		
410	SPANISH APPLIED LINGUISTICS	4 credits
Prerequisites: 401, 402, and 403 or permission of instructor. This course discusses current theories of second language acquisition and their implications for the learning of problematic Spanish structures.		
411	SPAIN DURING THE BAROQUE PRD	4 credits
Prerequisite: 407 or 408 or permission of instructor. A comparative study of the different cultural manifestations during the 17th century in Spain. Conducted in Spanish.		
412	CERVANTES: DON QUIJOTE	4 credits
Prerequisite: 407 or 408 or permission of instructor. Reading and analysis of Don Quijote as the first modern novel in the historical context of Renaissance and Baroque esthetics. Conducted in Spanish.		
413	DON JUAN MYTH IN SPAN CULTURE	4 credits
Prerequisite: 407 or 408 or permission of instructor. Study of the evolution of the Don Juan myth from its origins to its latest versions in the 20th century.		
414	CULT POL IN THE RIVER PLATE	4 credits
Prerequisite: 407 or 408 or permission of instructor. This course will examine the military dictatorships of the seventies and eighties in Argentina and Uruguay by looking at how these regimes affected culture.		
416	REPRESENTING RLTY 19TH CENT SP	4 credits
Prerequisite: 407 or 408 or permission of instructor. A comparative study of the major literary and artistic movements in Spain from Realism to Modernism. Conducted in Spanish.		
417	SP/SPAN AMER STU ABROAD EXP	3-6 credits
Prerequisite: Permission of Spanish Section Chair. Credit for student's course work at an accredited university in Spain or Latin America.		
418	20TH CENT SP: AV-GAR LIT & ART	4 credits
Prerequisite: 407 or 408 or permission of instructor. A comparative study of the major literary and artistic movements in Spain which illustrate the primary cultural changes of the century. Conducted in Spanish		
419	SPANISH CIVIL WAR&CULT IMPACT	4 credits
Prerequisite: 407 or 408 or permission of instructor. Study the impact of the Civil War on Spanish culture.		
422	ST: SPEC LANG SKL, CULT, LIT	1-4 credits
Prerequisite: 407 or 408 or permission of instructor. (May be repeated) Development of specialized language skills or reading of significant works of literature or culture not studied in other courses.		
425	20TH CENTURY SPANISH-AM NOVEL	4 credits
Prerequisite: 407 or 408 or permission of instructor. Reading and discussion of representative contemporary Latin American novels. Conducted in Spanish.		
427	LATINO CULTURES IN THE USA	4 credits
Prerequisite: 407 or 408 or permission of instructor. Inquiry into the Latino experience of displacement and marginality through the analysis of cultural manifestations in the U.S.A. Conducted in Spanish.		
430	WOMEN IN 20TH CENTURY HISP LIT	4 credits
Prerequisite: 407 or 408 or permission of instructor. Reading and analysis of selected works from the 20th Century that depict women in Hispanic countries. Methodologies of feminist criticism will be studied. Conducted in Spanish.		
431	HISPANIC CULTURE: SPAIN	4 credits
Prerequisite: Two of the group 401, 402, 403 or permission of instructor. Study of society, customs, history, art, music, etc. of Spain, from a Hispanic perspective. Conducted in Spanish.		
432	HISPANIC CULTURE: SPANISH AMER	4 credits
Prerequisite: Two of the group 401, 402, 403 or permission of instructor. Overview and historical survey of Spanish American civilization and culture. Taken as 532, does not count toward the M.A. in Spanish. Conducted in Spanish.		
497	INDIVIDUAL READING IN SPANISH	1-3 credits
Prerequisite: 407 or 408 and departmental permission.		

101	INTRODUCTION TO PHILOSOPHY	3 credits
	Introduction to philosophic problems and attitudes through acquaintance with thoughts on some leading thinkers of Western tradition.	
120	INTRODUCTION TO ETHICS	3 credits
	Introduction to problems of moral conduct through readings from the tradition and class discussions; nature of good, right, ought and freedom.	
125	THEORY & EVIDENCE	3 credits
	An investigation of the concept of evidence and the criteria for the evaluation of theories in various areas of study including the natural sciences, the social sciences and philosophy. The role of scientific information in the formation and justification of value judgments.	
150	CRITICAL THINKING	3 credits
	Examination of good and bad reasoning patterns. Topics may include rational and persuasive arguments, deductive and inductive inference, causal and basic statistical inference, logical fallacies, and moral arguments.	
170	INTRODUCTION TO LOGIC	3 credits
	Introduction to logic and critical thinking. Includes such topics as meaning, informal fallacies, propositional logic, predicate and syllogistic logic and nature of induction.	
211	HISTORY OF ANCIENT PHILOSOPHY	3 credits
	History and development of ancient Greek philosophy including Presocratics, Socrates, Plato, Aristotle, and Hellenistic philosophers. Readings of primary sources in translation.	
312	HISTORY OF MEDIEVAL PHILOSOPHY	3 credits
	History of Western philosophy from end of Roman Empire to Renaissance. Major philosophers studied include St. Augustine, St. Anselm, Peter Abelard, St. Thomas Aquinas, Duns Scotus and William of Ockham. Readings from primary sources.	
313	HISTORY OF MODERN PHILOSOPHY	3 credits
	Analysis of major philosophical issues of 17th and 18th Centuries from Descartes through Kant. Readings of primary sources in translation.	
323	ADVANCED TOPICS IN ETHICS	3 credits
	(May be repeated with change of topic for a total of nine credits). An examination of selected topics in applied ethics and ethical theory, such as the ethics of cloning, evolutionary ethics, history of ethics and ethical issues from the Human Genome Project. Specific topics will be announced in the course schedule.	
324	SOCIAL & POLITICAL PHILOSOPHY	3 credits
	An examination of the normative justification of social and political institutions and practices. Analysis of concepts such as rights, justice, equality, and political obligation from historical as well as contemporary points of view. Application to particular social issues covered.	
327	LAW AND MORALITY	3 credits
	Nature of law examined from the perspective of the law's alleged obligation to be ethical and promote justice.	
329	PHILOSOPHIES OF INTERNATNL LAW	3 credits
	Inquiry into the theories of utility of international law and the philosophical controversies surround them, e.g., international legal norms vs. international relations.	
331	PHILOSOPHY OF RELIGION	3 credits
	Discussion and analysis of problems of theology, nature of religious experience, God's nature, existence, immortality, sin, faith, reason, holy revelation, and redemption.	
333	PHILOSOPHY OF SCI & RELIGION	3 credits
	Survey of conflict, independence, and integration models of science and religion. Topics include: origin and nature of the universe, life, mind, value, meaning, science, religion.	
340	EASTERN PHILOSOPHY	3 credits
	Examination and evaluation of philosophical traditions from India, China and Japan, including Hinduism, Buddhism, Taoism and Confucianism.	
350	PHILOSOPHY OF ART	3 credits
	An examination of theories of the nature of art and the grounds of aesthetic evaluation. Analysis of such concepts as representation, form, content, expression, institution, convention, meaning and truth as they apply in the context of the arts.	
361	BIOMEDICAL ETHICS	3 credits
	The identification, analysis and evaluation of ethical issues arising most critically in the biomedical setting, e.g., abortion, termination of treatment, definition of death, IVF, AIDS.	
362	BUSINESS ETHICS	3 credits

	Basic moral theories, moral principles, and the decision- making process applied to issues in business.	
363	POLICE ETHICS	3 credits
	Basic moral concepts and their application to the criminal justice system. Concerned with such issues as punishment, the use of force, and conflict resolution.	
364	COMPUTER ETHICS	3 credits
	A critical examination of ethical issues arising in connection with computers and information technology, e.g., computer hacking, electronic privacy, and the regulation of Internet content.	
365	ENVIRONMENTAL ETHICS	3 credits
	Examination of the moral relationships among human beings, other species, and their shared environment. Ethical aspects of agriculture, global warming, extinction, and wilderness.	
371	PHILOSOPHY OF MIND	3 credits
	Nature of mind and the relationship between mind and body. Specific topics such as the limits of human reason, personal identity, the role of human thought in action and whether machines can think are also considered.	
392	INTERNSHIP IN PHILOSOPHY	1-3 credits
	Prerequisite: 2.7 GPA and permission of instructor. Placement in appropriate public or private sector organization. Written assignments required. May repeat for maximum 6 credits.	
411	PLATO	3 credits
	Prerequisite: 211 with a grade of C or higher, or permission of instructor. Detailed study of the origin and development of Plato's theory of forms and the related theories of knowledge, ethics and politics.	
414	AQUINAS	3 credits
	Prerequisite: one course in philosophy with a grade of C or higher, or permission of instructor. An in depth examination of the philosophy of St. Thomas Aquinas covering his contributions in metaphysics, epistemology, ethics, political theory, and philosophical theology.	
415	AUGUSTINE	3 credits
	Prerequisite: One course in philosophy with a grade of C or higher, or permission of instructor. An in depth examination of the philosophy of St. Augustine covering his contributions in metaphysics, epistemology, ethics, political theory, and philosophical theology.	
418	20TH CENT. ANALYTIC PHILOSOPHY	3 credits
	Prerequisite: one course in philosophy with a grade of C or higher, or permission of instructor. Study of ideal and ordinary language movements in 20th century British and American philosophy. Deals with such figures as Russell, Carnap, Ayer, Moore, Wittgenstein, Ryle and Austen.	
421	PHILOSOPHY OF LAW	3 credits
	Prerequisite: one course in philosophy with a grade of C or higher, or permission of instructor. Identification and critical evaluation of classic and contemporary theories and assumptions of law, including legal reasoning, justice, natural law, punishment, etc.	
424	EXISTENTIALISM	3 credits
	Prerequisite: one course in philosophy with a grade of C or higher, or permission of instructor. In-depth inquiry into the thought of Kierkegaard, Jaspers, Heidegger, Sartre, Tillich and other existentialists with their concern for the human condition.	
426	PHENOMENOLOGY	3 credits
	Prerequisite: one course in philosophy with a grade of C or higher, or permission of instructor. Inquiry into methodology of Husserl and Heidegger and their influence upon Western European and American thought.	
432	ARISTOTLE	3 credits
	Prerequisites: 211 with a grade of C or higher, or permission of instructor. Detailed study of Aristotle's metaphysics, philosophy of nature, philosophy of mankind and ethics.	
434	KANT	3 credits
	Prerequisite: 313 with a grade of C or higher, or permission of instructor. Study of Kantian system of thought and its relation to history of philosophy. Includes thorough investigation of one or more of Kant's philosophic works.	
455	PHILOSOPHY OF FEMINISM	3 credits
	Prerequisite: One course in philosophy with a grade of C or better, or permission of instructor. Introduction to feminist critiques of, and alternatives to, traditional western philosophy, including topics in ethics, metaphysics, epistemology, and religion.	
461	NEUROETHICS	3 credits
	Prerequisites: 120 or 361 with a grade of C or higher, or permission of instructor. Discussion and evaluation of contemporary theories of moral agency arising from developments in neuroscience.	

- 462 THEORY OF KNOWLEDGE 3 credits
Prerequisite: One course in philosophy with a grade of C or higher, or permission of instructor. Examination of nature of knowledge; theories of perception, conception and truth, problem of induction and relation of language to knowledge.
- 464 PHILOSOPHY OF SCIENCE 3 credits
Prerequisite: One course in philosophy with a grade of C or higher, or permission of instructor. Nature of scientific inquiry, types of explanation, laws and causality, theoretical concepts and reality. Also considers critics of hypothetical-deductive view of science, e.g., Hanson and Kuhn.
- 471 METAPHYSICS 3 credits
Prerequisite: One course in philosophy with a grade of C or higher, or permission of instructor. Theories about ultimate nature and ultimate explanation of reality. Uses readings from classical and contemporary sources.
- 480 SEM: PHILOSOPHY 3 credits
(May be repeated, for additional credit, with change of topic). Prerequisite: one course in philosophy with a grade of C or higher, or permission of instructor. Varying philosophical topics not covered in regular course offerings.
- 481 PHILOSOPHY OF LANGUAGE 3 credits
Prerequisite: One course in philosophy with a grade of C or higher, or permission of instructor. Contemporary philosophies about nature of language and its relation to reality and human thinking. Includes discussion of views of linguists such as Chomsky.
- 490 SR HONORS PROJCT IN PHILOSOPHY 3 credits
Prerequisite: Senior standing in Honors Program or senior honors standing as Philosophy major, and permission of Philosophy Department Honors Preceptor. Research leading to completion of senior honors thesis involving original work under faculty supervision.
- 497 IND ST: PHILOSOPHY 1-3 credits
(May be repeated for a total of six credits) Prerequisites: completion of required courses of philosophy major or permission of instructor and department head. Directed independent study of philosopher, philosophy or philosophical problem under guidance of selected faculty member. Subject matter determined by selected faculty member in consultation with student. Graduate credit requires significant additional work which may include additional research paper.

130	DESCRIPTIVE ASTRONOMY	4 credits
Qualitative introduction to astronomy, intended primarily as a first science course for non-science majors. Includes laboratory and observational activities.		
133	MUSIC, SOUND & PHYSICS	4 credits
Qualitative introduction to the physics of sound, its properties, perception and reproduction, including acoustical principles of musical instruments. Laboratory and observational activities included.		
137	LIGHT	4 credits
Introductory, qualitative course dealing with the nature of light and the interaction of light with various materials to produce common visual effects. Laboratory activities provide experience in scientific investigation.		
261	PHYSICS FOR LIFE SCIENCES I	4 credits
Prerequisites: high school algebra, trigonometry or 3450:149 as corequisite or permission. Introductory course for professional work in biology and health professions and services. Emphasizes life science applications. Mechanics: laws of motion, force, torque, work, energy, power; properties of matter: gases, liquids, solids, fluid mechanics. Includes laboratory activities.		
262	PHYSICS FOR LIFE SCIENCES II	4 credits
Prerequisite: 261. Laws of thermodynamics, kinetic theory. Wave phenomena: sound, light, optics; electricity and magnetism; atomic and nuclear physics; radioactivity. Includes laboratory activities.		
267	LIFE SCIENCE PHYSICS COMP I	1 credits
Corequisites: 261 (with 267); 262 (with 268). Optional companion courses to 261,2 provides additional computational experience in applications of physics to life sciences, emphasizing use of algebra and trigonometry. Particularly recommended for student with modest mathematical preparation.		
268	LIFE SCIENCE PHYSICS COMP II	1 credits
Corequisites: 261 (with 267); 262 (with 268). Optional companion courses to 261,2 provides additional computational experience in applications of physics to life sciences, emphasizing use of algebra and trigonometry. Particularly recommended for student with modest mathematical preparation.		
291	ELEMENTARY CLASSICAL PHYSICS I	4 credits
Prerequisite: Completion of 3450:221 with a passing grade. Introductory physics for students of science and engineering. Classical kinematics and dynamics as related to contemporary physics. Oscillations, thermodynamics. Vectors and some calculus introduced as needed. Includes laboratory activities.		
292	ELEMENTARY CLASSICAL PHYS II	4 credits
Prerequisite: Completion of 291 with a passing grade. Fluid mechanics, mechanical and electromagnetic waves and wave phenomena, basic laws of electromagnetism, interference and diffraction, coherence, geometrical and physical optics. Includes laboratory activities.		
293	PHYSICS COMPUTATIONS I	1 credits
Corequisite: 291 (with 293); 292 (with 294). Optional companion courses to 291,2 provides experience in problem solving, and elaborates application of calculus to simple physical phenomena. Particularly recommended for a freshman and for student with modest preparation in mathematics or physical sciences.		
294	PHYSICS COMPUTATIONS II	1 credits
Corequisite: 291 (with 293); 292 (with 294). Optional companion courses to 291,2 provides experience in problem solving, and elaborates application of calculus to simple physical phenomena. Particularly recommended for a freshman and for student with modest preparation in mathematics or physical sciences.		
301	ELEMENTARY MODERN PHYSICS	3 credits
Prerequisite: 292 or permission of instructor. Special relativity, introduction to quantum physics, hydrogen atom and complex atoms, atomic spectra, topics in nuclear and solid-state physics.		
322	INTERMEDIATE LABORATORY I	3 credits
Prerequisite: 262 or 292. Laboratory course stressing measurement techniques with contemporary laboratory apparatus. Experiment design, instrument calibration and reporting emphasized. Modern physics experiments and measurement of fundamental natural constants.		
323	INTERMEDIATE LABORATORY II	3 credits
Prerequisite: 262 or 292. Laboratory course stressing measurement techniques with contemporary laboratory apparatus. Experiment design, instrument calibration and reporting emphasized. Modern physics experiments and measurement of fundamental natural constants.		
340	THERMAL PHYSICS	3 credits

Prerequisite: 262 or 292. Basic principles of thermal and statistical physics. Ensembles, laws of thermodynamics, equilibrium, irreversibility, equipartition theorem, canonical distribution, Maxwell distribution, phase changes, cyclic processes, transport processes.

350 MODELING & SIMULATION 4 credits

Prerequisites: 292, or 262; one elementary course in Computer Science such as 3460:208 or 209 or permission of instructor. Interdisciplinary course stressing modeling of natural phenomena using fundamental principles and their simulation. Topics may include growth phenomena, fault propagation, kinetics, chemical reactions, wave phenomena.

399 UNDERGRADUATE RESEARCH 1-6 credits

(May be repeated) Prerequisite: permission of instructor. Participation in current research project in department under supervision of faculty member.

401 EVERYDAY PHYSICS 4 credits

Prerequisite: permission of instructor. College-level physics content for future teachers. Inquiry, discovery, activities, discussion, and experiential learning take place in a laboratory/embedded-lecture environment.

406 OPTICS 3 credits

Prerequisites: 291, 350 and 3450:335. Propagation, reflection and refraction of electromagnetic waves, superposition, polarization, interference and interferometry, Fresnel and Fraunhofer diffraction, Fourier optics, coherence theory and quantum optics.

431 MECHANICS I 3 credits

Prerequisites: 291, 350 and 3450:335. Mechanics at intermediate level. Newtonian mechanics, motion of a particle in one dimension, central field problem, system of particles, conservation laws, rigid bodies, and gravitation.

432 MECHANICS II 3 credits

Prerequisite: 431. Advanced mechanics at the senior or beginning graduate level, moving coordinate systems, mechanics of continuous media, Lagrange's equations, tensor algebra and stress analysis, rotation of rigid bodies, vibration theory.

436 ELECTROMAGNETISM I 3 credits

Prerequisites: 291, 350, 3450:335 or permission of instructor. Electricity and magnetism at intermediate level. Electrostatics and magnetostatics, electric field, scalar potential, dielectrics, Laplace's and Poisson's equations, currents, magnetic field, vector potential, magnetic materials, inductance.

437 ELECTROMAGNETISM II 3 credits

Prerequisite: 436. Special relativity, four vectors, Maxwell's equations in covariant form; propagation, reflection and refraction of electromagnetic waves; multipole radiation.

441 QUANTUM PHYSICS I 3 credits

Prerequisites: 301, 350 and 3450:335. Introduction to quantum theory, Schrödinger equation, observables, angular momentum, perturbation theory, variational principle, bound states, scattering theory, radiative interactions, spin and the Pauli Principle.

442 QUANTUM PHYSICS II 3 credits

Prerequisite: 441. Applications of quantum mechanics to atomic, nuclear and solid state physics. Tunneling and alpha decay, periodic potential, hydrogen and helium atoms, interatomic forces, quantum statistics.

451 ADVANCED LABORATORY I 3 credits

Prerequisite: 323 or permission of instructor. Experimental techniques, applicable to research-type projects in contemporary physics. FT-IR spectroscopy, optical spectroscopy, lasers and thin-film growth and characterization.

452 ADVANCED LABORATORY II 3 credits

Prerequisite: 323 or permission of instructor. Experimental projects applicable to contemporary physics. Diode and dye lasers, NMR, SPM, chaos, electron tunneling and fiber optics.

470 INTRO TO SOLID-STATE PHYSICS 3 credits

Prerequisite: 441 or permission of instructor. Account of basic physical processes occurring in solids, with emphasis on fundamental relation between these processes and periodicity of crystalline lattice.

481 METHODS OF MATH PHYSICS I 3 credits

Prerequisites: 3650:292, 3650:350, 3450:335 and senior or graduate standing in a physical science or engineering. Vectors, generalized coordinates, tensors, calculus of variations, vector spaces, linear transformations, matrices, eigenvalues, Hilbert space, boundary value problems, transcendental functions, complex variables, analytic functions, Green's functions, integral equations.

482 METHODS OF MATH PHYSICS II 3 credits

Prerequisites: 292, 3450:335 and senior or graduate standing in a physical science or engineering. Vectors, generalized coordinates, tensors, calculus of variations, vector spaces, linear transformations, matrices, eigenvalues, Hilbert space, boundary value problems, transcendental functions, complex variables, analytic functions, Green's functions, integral equations.

- 488 SEL T: PHYSICS 1-4 credits
(May be repeated) Prerequisite: permission. Consideration of selected topics, procedures, techniques, materials or apparatus of current interest in physics.
- 490 W: PHYSICS 1-4 credits
(May be repeated) Group studies of special topics in physics. May not be used to meet undergraduate or graduate major requirements in physics. May be used for elective credit only.
- 497 INDP STUDY: PHYSICS 1-4 credits
(May be repeated) Prerequisite: permission. Further investigations of various selected topics in physics, under guidance of faculty member.
- 498 PHYSICS COLLOQUIUM 1 credits
Lectures on current research topics in physics by invited speakers. May be repeated but only one credit counts toward the M.S. Degree. Offered on a credit/noncredit basis only.

100	GOVERNMENT & POLITICS IN US	3 credits
	Examination of American political system with emphasis on fundamental principles, ideas, institutions and processes of modern government. Lecture and discussion sections (day classes only).	
150	WORLD POLITICS & GOVERNMENT	3 credits
	Introduction to international politics and an examination of the governments and foreign policies of selected states from a comparative perspective.	
210	STATE & LOCAL GOVT & POLITICS	3 credits
	Examination of institutions, processes and intergovernmental relations at state and local levels.	
300	COMPARATIVE POLITICS	3 credits
	Introduction to comparative political analysis; description of political systems of Great Britain, France, Germany and Soviet Union; contrast between democracy and totalitarianism.	
301	INTRO TO POLITICAL RESEARCH	3 credits
	Introduction to the research process in political science through an introduction to the logic of social science inquiry and contemporary techniques of analysis.	
302	AMERICAN POLITICAL IDEAS	3 credits
	Study of major thinkers and writers of American political thought.	
303	INTRO TO POLITICAL THOUGHT	3 credits
	Survey of major ideas and concepts of Western political theory from pre-Socrates through period of Enlightenment.	
304	MODERN POLITICAL THOUGHT	3 credits
	Examination of central concepts of political thought from 19th Century to present. Modern liberalism, communism, fascism and totalitarianism emphasized.	
310	INTERNATIONAL POLITICS & INS	3 credits
	Relations among nations examined in political context.	
311	DEVELOPING STATES IN WORLD POL	3 credits
	Examines how developing states are conditioned by the global system and how they attempt to modify it.	
313	INTERNATIONAL LAW	3 credits
	Prerequisite: 3700:150 or 3700:310. This course explores law at the international level and will focus on diplomacy, treaties, covenants, laws of war, and the legal role of international organizations.	
321	EUROPEAN POLITICS	3 credits
	Description and analysis of government and politics of France, Germany, Italy, the United Kingdom, and Russia, with appropriate references to the European Union.	
326	POLITICS OF DEVELOPING NATIONS	3 credits
	General introduction to concepts and theories of political development and political institutions, elite-recruitment and political processes of selected emerging nations.	
328	AMERICAN FOREIGN POLICY PROC	3 credits
	Examination of American foreign policy-making process; public opinion and other limitations on policy; specific contemporary problems in selected foreign policy areas.	
333	SOCIAL ENTREPRENEURSHIP	3 credits
	Scholarly analysis of successful social and political entrepreneur's efforts to address real world problems and an interdisciplinary analysis of the strategies and skills they deploy.	
334	LAW, MEDIATION, AND VIOLENCE	3 credits
	A critical analysis of the practical challenges central to learning to better prevent, resolve, or reduce the harms associated with conflict.	
335	LAW & SOCIETY	3 credits
	This course will examine how law constructs and constrains political conflict, and how legal institutions mediate, reinforce, and challenge existing power relationships.	
336	HOMELAND SECURITY POLICY & PRC	3 credits
	The course will focus on the topic of homeland security, an area that has received a great deal of attention following the tragic events of September 11, 2001.	
337	TERRORISM: PRPTS, PLTCS & RSPN	3 credits
	Survey of terrorist organizations, political implications of terrorism, and governmental response to terrorism.	
339	TERRORISM AND THE CONSTITUTION	3 credits

Primary goals include learning about the balance courts try to strike in safeguarding public safety and respect for personal freedom in a constitutional republic.		
341	THE AMERICAN CONGRESS	3 credits
Examination of structure and function of Congress, with comparative materials on legislative process on all levels. Presidential and congressional conflict examined.		
345	WORLD POLITICS IN FILM	3 credits
This course examines the political meaning and content of films. Themes investigated include war, the nuclear age and its consequences, postindustrial society, the future, and unemployment.		
346	AMERICAN POLITICS IN FILM	3 credits
Examines the portrayal and representation of American politics through cinema. Emphasis on the positive and negative roles that movies play in educating the public.		
350	THE AMERICAN PRESIDENCY	3 credits
The presidency as focal point of politics, policy and leadership in American political system.		
351	INSIDE THE WHITE HOUSE	3 credits
The course looks behind the curtain at the inner-workings of the White House. Topics include: physical structure of the White House, travel, protection, and staff.		
352	WEAPONS OF MASS DESTRUCTION	3 credits
An exploration of the various weapons of mass destruction available to terrorists and other potential enemies with an emphasis on the challenge America faces in responding to such threats.		
353	FUTURE INTERNATIONAL THREATS	3 credits
A study of future threats through the use of scenario construction and future projections.		
360	THE JUDICIAL PROCESS	3 credits
Role of police, lawyers, courts and judges in context of American political process. Structure and process of judicial policy making and limitations on judicial power.		
361	POLITICS OF THE CRIM JUST SYS	3 credits
Examines the impact of the political process and political institutions on criminal law and policy.		
363	CRIME, PUN, POL: A COMP PERSP	3 credits
Comparative study of the structures, practices, power relationships, and politics in various criminal justice systems.		
370	PUBLIC ADMN: CONCEPTS & PRACTS	4 credits
Examines current administrative theories and their application in public bureaucracies. Emphasis is placed on practices to improve the quality of public sector administration.		
375	WOMEN IN POLITICS	3 credits
Course examines the past, present, and future role of women in politics.		
381	STATE POLITICS	3 credits
Analysis of the state political process in terms of its capacity to deal with a wide range of socioeconomic problems. Special emphasis on legislators, administrators, parties and interest groups.		
391	HONORS IN POLITICAL SCIENCE	3 credits
Prerequisites: at least 17 credits and a 3.25 average in political science and permission of adviser.		
392	SEL T: POLITICAL SCIENCE	1-3 credits
(May be repeated, but no more than three credits can be applied to major in political science) Topics of substantial current importance, specialized topics within political science or experimental courses.		
395	INTERN: GOVERNMENT & POLITICS	2-9 credits
(May be taken twice for a total of nine hours. No more than four credits may be applied toward major in political science.) Prerequisite: Three courses in political science at The University of Akron, 2.20 average in political science, and permission of instructor. Supervised individual placement with political office holders, party groups, governmental agencies, law firms and other organizations providing professional-level work.		
397	INDP STUDY: POLITICAL SCIENCE	1-4 credits
(May be repeated for a total of four credits) Prerequisites: senior standing, 3.00 grade-point average and permission of adviser.		
400	POLITICAL EXTREMISM & VIOLENCE	3 credits
This course examines the causes and consequences of political extremism and political violence in democracies and failed democracies.		
401	ADV TOPICS IN RESEARCH METHODS	3-6 credits

Prerequisite: 3700:301 or 3850:301. Special advanced topics of interest in research methods. This course can be taken twice if topics are different, for six credits total.

402 POLITICS AND THE MEDIA 3 credits

Examination of relationships between the press, the news media and political decision makers.

403 MEDIA, CRIME & PUBLIC OPINION 3 credits

Examines the social construction of crime in mass media and how it impacts public, including fear of crime, beliefs about crime causation, and crime policy.

405 POLITICS IN THE MIDDLE EAST 3 credits

The rise of the state system in the Middle East after World War I; an analysis of the socio-cultural, ideological forces influencing the political behavior of the people of the Middle East. In-depth study of selected political systems.

406 COMPARATIVE CONSTITUTIONAL LAW 3 credits

This course will explore the essential principles and theories of law and constitutionalism and then apply them, comparatively, to several different constitutional traditions from various regions of the world.

410 INTERNATIONAL SECURITY POLICY 3 credits

Prerequisite: At least one of the following: 310, or 3400:461, or permission. Introduction to political uses of military forces. Major focus on methodological, conceptual, and ethical dilemmas confronted in developing and implementing security policy.

413 GLOBAL PUBLIC HEALTH THREATS 3 credits

An introduction to comparative global biological and public health security policy. Topics include: infectious disease outbreaks, bioterrorism, and potential nano-terrorism.

414 WEALTH AND POWER AMONG NATIONS 3 credits

Prerequisite: 310 or permission of instructor. Studies relationship between politics and economy; mesh theoretical perspectives with exploration of key empirical issues. Topics: trade, relations, unions, finance, development, aid, sanctions.

417 ENVIRON SECUR: POLICY & POLITC 3 credits

Prerequisite: 3700:100 or permission of the instructor. Examines the politics, economics, science, security, and policy changes behind global warming/climate change, peak oil (looming energy shortages), and related governmental and resource security.

422 UNDISTND RACIAL & GENDER CNFLCT 3 credits

This is the core course the Certificates in Racial and Gender Conflict, providing students with an opportunity to intensively examine racial and gender conflict.

428 OHIO POLITICS 3 credits

Prerequisite: 3700: 100. This course focuses on factors that make Ohio economically competitive. Material focuses on recent election results, public opinion polling and influence of socioeconomic factors.

437 GOVERNMENT VS ORGANIZED CRIME 3 credits

The course gives a history of organized crime and the government's responses to fight it. Newly emerging international crime groups are also discussed.

440 SURVEY RESEARCH METHODS 3 credits

Prerequisites: 100 or permission. Study of survey research methods as applied to the analysis of public opinion, political behavior, and public policy formation.

441 THE POLICY PROCESS 3 credits

Prerequisites: eight credits in political science. Intensive study of policy-making process, emphasizing roles of various participants in executive and legislative branches as well as private individuals and groups.

442 METHODS OF POLICY ANALYSIS 3 credits

Prerequisite: 201. Examines variety of methods available for analyzing public policies. Techniques of cost benefit analysis, evaluation research quasi-experimentation are covered as well as consideration of ethical questions in policy analysis, the practical problems facing policy analysts.

443 POLITICAL SCANDALS & CORRUPT 3 credits

This course will provide information on major political scandals, including media coverage, public opinion, the role of special prosecutors, and the impacts of scandals.

445 AL QAEDA 3 credits

This course explores the causes and consequences of Al Qaeda's terrorism. Students will weigh different explanations for why individuals join and participate in terrorist groups.

446 NATIONAL SECURITY INTELLIGENCE 3 credits

The aim of this course is to familiarize students with the politics and policy of national security intelligence in the US.

447	COUNTERTERRORISM	3 credits
	The course introduces students to the federal national security agencies, polices, politics, and methods of containing and defeating terrorism abroad and within the United States.	
450	ADM PRISONS,PROBATION & PAROLE	3 credits
	Prerequisite: 100. Analysis of the administrative, electoral, and community conflicts central to understanding, resolving, and preventing these conflicts in a correctional environment.	
461	THE SUPREME COURT & CONST LAW	3 credits
	Prerequisite: 100 or permission. Interpretation of the Constitution by the Supreme Court with emphasis on federal judicial, legislative and executive power; separation of powers; and federalism.	
462	THE SUPREME COURT & CIVIL LIB	3 credits
	Prerequisite: 100 or permission. Interpretation of the Constitution by the Supreme Court with emphasis on freedom of speech and press, freedom of religion, criminal rights and right to privacy.	
463	HUMAN RIGHTS IN WORLD POLITICS	3 credits
	An introduction to human rights from a comparative perspective; topics include: definition and development of human rights with attention paid to government interaction and wartime.	
470	CAMPAIGN MANAGEMENT I	3 credits
	Prerequisite: permission of instructor. Reading, research and practice in campaign management decision making.	
471	CAMPAIGN MANAGEMENT II	3 credits
	Prerequisite: 470. The second course in campaign management. The focus is on timing, coalition building, candidate positioning, event planning, internal organization, and other elements of campaign strategy.	
472	CAMPAIGN FINANCE	3 credits
	Prerequisite: permission of instructor. Reading and research in financial decision making in political campaigns.	
473	VOTER CONTACT & ELECTIONS	3 credits
	Prerequisite: permission of instructor. Theoretical and practical approaches to communication in all types of campaigns.	
474	POLITICAL OPIN/BEHAV/ELEC POL	3 credits
	Prerequisite: 100 or 201 or permission. Advanced analysis of psychological, cultural, and group processes of opinion formation and change. Attention given to the effect of opinion change on electoral outcomes.	
475	AMERICAN INTEREST GROUPS	3 credits
	Prerequisite: six credits of political science or permission. Reading and research on the development, structure and function of interest groups in the United States.	
476	AMERICAN POLITICAL PARTIES	3 credits
	Prerequisites: six credits of political science or permission. Reading and research on the development, structure and function of parties in the United States.	
477	LOBBYING	3 credits
	Examines the lobbying profession in the political process. Topics include theories of lobbying, tools of lobbying, the lobbying process, and types of lobbying.	
480	POLICY PROB: POLITICAL SCIENCE	3 credits
	(May be repeated for a total of six credits) Intensive study of selected problems in public policy.	
481	THE CHALLENGES OF POLICE WORK	3 credits
	Prerequisite: 100. Analysis of the neighborhood, bureaucratic, electoral, and operational conflicts central to police work, with a focus on efforts and obstacles to improving police work.	
482	CRIMINAL JUSTICE TOP: CUR ISSU	3 credits
	(May be repeated for a maximum of six credits) Prerequisite: 100. Critical analysis of current issues relating to political science and criminal justice. No more than three credits can be applied to the major.	
483	CONSTITUTNL PROBS IN CRIM JUST	3 credits
	Prerequisite: 100. Analyzes Supreme Court policy-making regarding problems of criminal justice, including search and seizure, self-incrimination, right to counsel, jury selection, and post-appeal prisoner rights.	
492	SELECTED TOPICS IN POL SCI	3 credits
	Topics of substantial current importance or specialized topics within political science.	
497	SR HONORS PROJ: POLITICAL SCI	1-3 credits
	(May be repeated for a total of six credits) Prerequisites: senior standing in Honors Program and permission. Open only to a political science major in Honors Program. Independent study leading to completion of senior honors thesis or other original work.	

100	INTRODUCTION TO PSYCHOLOGY	3 credits
	Introduction to scientific study of behavior, survey of physiological basis of behavior, sensation and perception, development, learning and cognition, personality, social interaction and other selected topics.	
105	PROFESSIONAL & CAREER ISSUES IN PSYCH	1 credits
	Corequisite: 100. An overview of the field of psychology including educational requirements, career opportunities and professional issues for students considering a psychology major.	
110	QUANTITATIVE METHODS IN PSYCH	4 credits
	Prerequisite or corequisite: 100. Presentation of data, descriptive statistics, correlation, hypothesis testing and introduction to statistical methodologies in psychology, including computer applications.	
220	INTRO TO EXPERIMENTAL PSYCH	4 credits
	Prerequisites: 100 and 110. Lectures and laboratory experience in the scientific bases of psychology such as experimental design, methods and apparatus, collection and analysis of data and interpretation of results.	
230	DEVELOPMENTAL PSYCHOLOGY	4 credits
	Prerequisite: 100. Determinants and nature of behavioral change from conception to death.	
320	BIOPSYCHOLOGY	4 credits
	Prerequisite: 100. Relationship between behavior and its biological/physiological foundations including brain structure and function, sensation, behavior genetics, learning and memory, and other topics.	
330	EMOTION ACROSS THE LIFESPAN	4 credits
	Prerequisites: 3750:100 & 3750:230. We read and discuss primary writings on theoretical and empirical research in emotional development in adulthood. Topics include emotion perception and emotion regulation.	
335	DYNAMICS OF PERSONALITY	4 credits
	Prerequisite: 100. An overview of theory and research involving the development, maintenance and assessment of personality and individual differences.	
340	SOCIAL PSYCHOLOGY	4 credits
	Prerequisite: 100. The examination of an individual's response to social environment and social interaction processes. Social perception, attitude formation and change, affiliation and attraction, altruism, group processes and nonverbal behavior.	
345	COGNITIVE PROCESSES	4 credits
	Prerequisite: 100. Survey of the basic phenomena, concepts and theories in the areas of human perception, learning, memory and cognition.	
380	INDUSTRIAL/ORGANIZATIONAL PSYCH	4 credits
	Prerequisite: 100. Survey of the application of psychology to the workplace including an emphasis on organizational (e.g., motivation) and personnel issues (e.g., selection).	
400	PERSONALITY	4 credits
	Prerequisites: 100 and 335. Consideration of current conceptualizations of the normal personality with emphasis on methods of measurement, experimental findings and research techniques.	
405	SENSATION & PERCEPTION	4 credits
	Prerequisite: 100. Reviews the basic psychological and neural components of sensation and perception involving visual, auditory, cutaneous, and chemical sensory systems.	
410	PSYCHOLOGICAL TESTS & MEASURES	4 credits
	Prerequisites: 100, 110. Consideration of the nature, construction and use of tests and measurements in industry, government and education. Includes aptitude and achievement tests, rating scales, attitude and opinion analysis.	
415	COGNITIVE NEUROSCIENCE	4 credits
	Prerequisite: 100. A review of neuroimaging studies addressing contemporary themes in human behavior, including consciousness, learning and memory, neuropathology, and emotion.	
420	ABNORMAL PSYCHOLOGY	4 credits
	Prerequisite: 100. Survey of syndromes, etiology, diagnoses and treatments of major psychological conditions ranging from transient maladjustments to psychoses.	
425	PSYCHOLOGY OF HATE	4 credits
	Prerequisite: 100. The primary objective of this course is to understand the psychology behind hate. Topics include racism, sexism, heterosexism, religious intolerance, classism and ageism.	
430	PSYCHOLOGICAL DISORDERS: CHILD	4 credits
	Prerequisites: 100 and 230. Survey of syndromes, etiologies and treatments of behavioral disorders in children from the standpoint of developmental psychology. Behavioral data and treatment approaches emphasized.	

435	CROSS-CULTURAL PSYCHOLOGY	4 credits
	Prerequisites: 100. Influence of culture and ethnicity upon development of individual psychological processes including functioning, identity, social motives, sex roles and values.	
440	PERSONNEL PSYCHOLOGY & LAW	4 credits
	Prerequisites: 380 or 6500:301. The implications of equal employment law on the practice of personnel psychology.	
441	CLINICAL & COUNSELING PSYCH I	4 credits
	Prerequisites: 100 and 335. Overview of the fields of clinical and counseling psychology with a major focus on psychotherapeutic approaches, including cultural considerations, legal/ethical issues, and outcome research.	
442	CLINICAL & COUNSELING PSYCH II	4 credits
	Prerequisite: 441. Overview of individual counseling and psychotherapy, group counseling, personality and ability testing, marriage and family counseling, hypnosis, sex therapy, psychopharmacology and related specialties. Specific topics in clinical and counseling practice including professional trends, ethics, various therapeutic and diagnostic procedures, and specialty areas.	
443	HUMAN RESOURCE MANAGEMENT	4 credits
	Prerequisites: 100 and 380. The application of psychological theory to the effective management of human resources in an organization, including recruitment, selection, training and retention of personnel.	
444	ORGANIZATIONAL THEORY	4 credits
	Prerequisites: 100 and 380. The application of psychological theory to macro-level processes in organizations including leadership, motivation, task performance, organizational theories and development.	
445	PSYCHOLOGY OF SMALL GROUP BEH	4 credits
	Prerequisites: 100. Intensive investigation of factors affecting behavior and performance in small groups including effects of personality, social structures, task, situational and social-cognitive variables.	
450	COGNITIVE DEVELOPMENT	4 credits
	Prerequisites: 100 and 345. Theory and research on life-span changes in cognitive processes including concept formation/categorization, information processing and Piagetian assessment tasks.	
460	HISTORY OF PSYCHOLOGY	3 credits
	Prerequisite: 3750:100. Psychology in pre-scientific period and details of developmental or systematic viewpoints in 19th and 20th Centuries.	
474	PSYCHOLOGY OF WOMEN	4 credits
	Prerequisites: 3750:100 or 3001:300. Reviews theory and research in the psychology of women and gender and encourages students to use these in their everyday lives.	
475	PSYCHOLOGY OF ADULTHOOD & AGNG	4 credits
	Prerequisites: 100 and 230. Psychological aspects of human development from adolescence to older adulthood including age-related changes in socialization, personality, intelligence, sensation, perception, learning, memory and clinical applications.	
480	ST: PSYCHOLOGY	1-4 credits
	(May be repeated to a maximum of 8 credits) Prerequisite: 100 and 64 credits completed. Comprehensive survey of contemporary status of specialized topics and issues in psychology. Emphasis on original source materials, critical analysis and synthesis of empirical and theoretical aspects.	
488	HONORS PROJECT IN PSYCHOLOGY	4 credits
	Prerequisites: Psychology major and departmental permission, and 100 and 105 and 110 and 220, and 320 or 335 or 340 or 345. Selection of research topic, review of relevant literature, research design, and proposal.	
489	HONORS PROJECT IN PSYCHOLOGY	4 credits
	Prerequisites: Psychology major and departmental permission, and 100 and 105 and 110 and 220, and 320 or 335 or 340 or 345. Data collection, analysis, and preparation of the final research report in journal style.	
495	FIELD EXPERIENCE IN PSYCHOLOGY	1-4 credits
	(May be repeated to a maximum of 6 credits). Prerequisites: 100, 105 and 110 and eight additional credits in psychology. On-site supervised individual placements in appropriate settings. The academic component of the experience will be under the supervisor of a selected faculty member.	
497	INDEP RDG/RSRCH: PSYCHOLOGY	1-3 credits
	(May be repeated to a maximum of 6 credits). Prerequisites: 3750:100 and 105 and 110 and 220 and four additional credits in psychology. Independent reading and/or research in an area of psychology under the supervision and evaluation of a selected faculty member.	
498	HONORS RESEARCH IN PSYCHOLOGY	1-3 credits

Prerequisites: Psychology major and approval of honors advisor. Individual research with a faculty advisor leading to the completion of a research project satisfying departmental and university requirements.

110	FOUNDATIONS IN EARLY CHILD EDU	3 credits
	Provides students with a comprehensive overview of model early childhood programs and places emphasis on interactions between home and school that impact children's development.	
147	ORIENT-PROF STD-FAM & CONS SCI	1 credits
	Survey of history and development of family and consumer sciences with emphasis on professional and career opportunities.	
201	COURTSHIP, MARR & FAM RELATION	3 credits
	Love, intimacy, relationship development, sexuality, marriage/child rearing are studied in lifespan perspective. Emphasis placed on individual relation to changing family/social/cultural demands.	
245	INFANT/TODDLER DAY CARE PROG	3 credits
	Survey of infant/toddler development. Principles of infant/toddler caregiving. Design of environment and curriculum based on child's needs. Includes observation of children. (20 field hours required)	
246	MULTICULT ISSUES IN CHILD CARE	3 credits
	The study of cultural differences in child care and preschool settings to improve caregiving practices and enhance communication between caregivers and families.	
247	DIVERSITY EARLY CHILD LITERACY	3 credits
	Examination and analysis of children's books and materials on diversity reflecting differences and similarities of groups of people that makea up our society.	
250	OBSERV & RECORD CHILD BEHAVIOR	3 credits
	Prerequisite: 3760:265 or permission. Develops observing and recording skills using different types of records to assess children's development and behavior. (10 field hours required)	
255	FATHERHOOD: PARENT ROLE	3 credits
	Prerequisites: 3760:201 or 3760:265. Historic evolution of the father role, its changing social definition, and father's potential effects on a child's development--birth through adolescence.	
265	CHILD DEVELOPMENT	3 credits
	Physical, cognitive, language, social, emotional, and personality development of the child from prenatal through age eight. Observation of children in early childhood educational settings.	
270	THEORY & GUIDANCE OF PLAY	3 credits
	Prerequisite: 3760;265. Theory and guidance of play as primary vehicle and indicator of physical, intellectual, social, emotional development and learning of children from birth to kindergarten.	
280	EARLY CHILDHOOD CURRIC METHODS	3 credits
	Prerequisite: 3760:265. Planning, presenting, evaluating creative activities in art, music, movement, language arts, logico-mathematics and science. Space, time, materials and adult-child interaction are emphasized.	
290	ST: EARLY CHILDHOOD DEVELOPMT	1-3 credits
	Selected topics/workshops on subject areas of interest in early childhood development. May be repeated up to 4 credits.	
295	EARLY CHILDHOOD PRACTICUM	5 credits
	Prerequisites: 2200:245, 5200:360, 5200:370, 3760:265, 3760:270, and 3760:280. Supervised practicum in an early childhood/preschool educational setting designed for Early Childhood Development students only.	
297	INDEPENDENT STUDY	1-3 credits
	(May be repeated for a total of six credits) Prerequisite: permission. Selected topics and special areas of study under supervision and evaluation of selected faculty member with whom specific arrangements have been made.	
300	LEGAL ENVIRONMENT OF FAMILIES	3 credits
	Introduction to legal terminology, reasoning and analysis, court systems and procedures within the context of family and consumer law.	
301	CONSUMER EDUCATION	3 credits
	Practical application that reviews and analyzes consumer education methods with major emphasis on the evaluation of consumer education programs. Online section available.	
303	CHILDREN AS CONSUMERS	3 credits
	Study of the consumer role of children three through eighteen years. Emphasizes research data on children as consumers and consumer education for children.	
360	PARENT-CHILD RELATIONS	3 credits
	Prerequisite: 3760:265. The study of interactive parent-child relations from infancy through adulthood and the internal and environmental forces which impact upon family dynamics. Online course.	
362	FAMILY LIFE MANAGEMENT	3 credits

Introduction to management theories, processes and principles as applied to utilization of human and material resources in promotion of individual and family well-being.

365 INFANT, FAMILY AND SOCIETY 3 credits

Prerequisite: 3760:265. In depth examination of physical, cognitive, language, social, and emotional development of the infant from prenatal through age two. Observation of infants in daycare settings.

370 TEACHING, EARLY CHILD CLASSRM 2 credits

Prerequisites: 3760:265, 3760:270, and 3760:280. Assists students with the integration of knowledge, skills, attitudes, and values needed when working with young children, as learned in the child development program.

375 TEACHING IN THE EARLY CHILDHOOD 2 credits

Prerequisites: 3760:265, 3760:270, and 3760:280. An integrated practical experience in child development centers under the direction of experienced early childhood professionals

401 AMERICAN FAMILIES IN POVERTY 3 credits

Prerequisites: 3760:201 or 3760:265, and senior status. Overview of the issues, trends and social policies affecting American families living in poverty. Online section available.

404 MIDDLE CHILDHOOD & ADOLESCENCE 3 credits

Prerequisites: 3760:201 and 3760:265 or permission of instructor. The influences of middle childhood and adolescent behavior on the family and the influences of the family environment on middle childhood and adolescent development.

406 FAMILY FINANCIAL MANAGEMENT 3 credits

Analysis of the family as a financial unit including financial problems and their resolution, decision-making patterns and financial practices behavior. Cases, exercises, problems and computer analysis.

421 SP: FAMILY & CONSUMER SCIENCES 1-3 credits

Additional study or apprentice experience in specialized field or preparation; group and individual experimentation.

440 FAMILY CRISIS 3 credits

Study of family stress and crisis including internal and external variables and their influence on degree of disorganization, coping and recovery. Includes theory, research and application dimensions.

441 FAM RELATNSHIP MID & LATER YRS 3 credits

Exploration of family and individual development of communication and education during the middle and later years of life. Emphasis on issues related to intimacy, economics, social policies, psychological and biological changes.

442 HUMAN SEXUALITY 3 credits

Prerequisite: 3760:201 or permission of instructor. Introduction to problems and values. Emphasis is on the role of values in intimate relationships, the diverse dimensions of sexual responsibility.

446 CULTURE, ETHNICITY & FAMILY 3 credits

Prerequisites: 3760:201 or 3760:265, and senior status. Study of the role of culture and ethnicity in adaptation of the family system to environment. Online section available.

447 SR SEM: CRIT ISSUES-FCS DEV 1 credits

Prerequisites: FCS major & senior standing. Consideration of family and consumer sciences as a profession and its impact on the quality of life of individuals, families and their environments. Analysis of challenges facing the profession and all home economists.

448 BEFORE & AFTER SCHL CHILD CARE 2 credits

Study of the development, implementation and evaluation of school-age child-care programs for before and after school and vacation periods.

450 FAMILIES, INDIVIDL & ENVIRONMT 3 credits

Prerequisite: FCS major, senior standing or completion of 90 credits or permission of instructor. Integrative exploration of issues affecting the well-being of individuals, families, and communities in the multiple environments in which they function.

460 ORG & SUPRV CHILD CARE CENTERS 3 credits

Theory, principles and procedures involved in establishing and operating centers for infants, toddlers, preschool and school-age children.

461 CASE MGMT CHILDRN & FAMILIES I 3 credits

Provides an overview of Case Management basics in a multi-systems collaborative context. Includes roles, values, principles, state and service systems, and service coordination.

462 CASE MGMT CHLDRN & FAMILIES II 3 credits

Prerequisite: 3760:461/561. Provides in-depth exploration of Case Management principles and practice. Emphasis on process and functions, assessment, cross-system service planning and coordination, advocacy, and cultural diversity.

463 PRACT: CROS-SYS CSE MGT:CHD&FA 3 credits

Prerequisites: 3760:461/561 and 3760:462/562, and six hours of electives. Provides on-site opportunities to apply skills in cross-systems collaborative Case Management with children and families. Includes review of strategies, ethics, and survival skills, and supervision.

485 SEM: FAMILY & CONSUMER SCIENCE 1-3 credits

Prerequisite: permission of instructor. Exploration and evaluation of current developments in selected areas.

490 W: FAMILY & CONSUMER SCIENCES 1-3 credits

Prerequisite: at least junior standing. Investigation on current issue or topic in selected areas of home economics and family ecology. May be on off-campus study tour or an on-campus full-time group meeting.

494 INTERN: FAMILY & CONSUMER SCI 1-6 credits

Prerequisite: permission of the instructor. In depth field experience in business, industry, or community agencies relating to the student's area of specialization.

496 PARENT EDUCATION 3 credits

Prerequisite: 3760:265, comparable course or permission of instructor. Practical application that reviews and analyzes parent education methods with major emphasis on the evaluation of parent education programs. Online section available.

498 INTERN: FAMILY & CONSUMER SCI 2-6 credits

Prerequisite: permission of instructor. In-depth field experience in business, industry or community agencies related to student's area of specialization.

499 SR HONORS PROJ: FAM & CONS SCI 1-3 credits

(May be repeated for a total of six credits) Prerequisites: senior standing in Honors Program and approval of honors preceptor. Individual study supervised by adviser. Student and preceptor develop goals, objectives and methodology.

100	INTRO TO CRIMINAL JUSTICE	3 credits
	Overview of criminal justice system, its history, development and evolution within the United States including subsystems of police, courts, corrections. Constitutional limitations, current criminal justice practices human relations, professionalization, prevention.	
101	INTRO TO SECURITY ADMIN TECH	3 credits
	Introduces fundamentals such as equipment, technology, design theories, management practices, trends, concerns, and issues in security administration.	
102	PRINCIPLES OF CRIMINAL LAW	3 credits
	Prerequisite: 3800:100. This course examines the central principles of criminal law, including its history, philosophy, the elements of major crimes and criminal defenses.	
103	INTRODUCTION TO CORRECTIONS	3 credits
	Prerequisite: 3800:100. Introduction to history and goals of institutional and community corrections.	
104	EVIDENCE & CRIM LEGAL PROCESS	3 credits
	Prerequisite: 3800:100. Study of evidence law, constitutional perspectives and law enforcement officer's relationship thereto. Court procedures from arrest to incarceration.	
105	INTRO TO POLICE STUDIES	3 credits
	Prerequisite: 3800:100. Provides a foundation for understanding police role, structure, and function in American society at the local, state, and federal levels.	
106	JUVENILE JUSTICE PROCESS	3 credits
	Prerequisite: 3800:100. Examination of juvenile justice system, functions of its various components; adolescent subculture, legislation, causative factors, prevention and treatment methodologies and programs.	
120	CRIME PREV: THEORY, PRACT, MGT	3 credits
	Examines contemporary crime prevention and security strategies used in target hardening. Central theme is the use of community resources to prevent crime.	
222	INTERVIEW & INTERROGATION	3 credits
	Prerequisite: OPOTC Certification. A course of study on interview and interrogation which will teach the student how to obtain information in an orderly, effective, and legally sufficient manner.	
224	PROFILING SERIAL KILLERS	3 credits
	Prerequisite: 3800:100. Introduction to the theories, analyses, and methodology used in profiling serial killers. Actual serial profiles and paradigms of crime scene analyses also examined.	
225	THE POLICE EXPERIENCE	3 credits
	Prerequisites: 3800:100 and permission. Academic refresher course of basic police academy. Completion (C or better) and 3800:100 qualifies a commissioned police officer to test out of certain courses (see adviser).	
226	INTRVS, INTER & HOSTAGE NEGOT	3 credits
	Prerequisite: 3800:100. An overview of the legal, theoretical, and applied aspects of conducting interviews, interrogations, and hostage negotiations within the field of law enforcement.	
231	PHYS SECUR: SYST, DSGN & CTRL	3 credits
	Prerequisite: 3800:101. Topics include: controlling and monitoring the access of persons and vehicles, prevention and detection of unauthorized intrusions and surveillance, and safeguarding key assets.	
232	LEGAL ISSUES IN SECURITY ADMIN	3 credits
	Survey of laws applicable to the security administration function including tort, labor, employment, unemployment, workers' compensation, contract, insurance, cyber, criminal and constitutional law.	
233	SECUR INVESTGTNS: PRIN & PRACT	3 credits
	Overview of investigative methods employed by the security manager. Students will examine legal and ethical duties and issues related to investigation.	
234	COMPUTER AND INFO SECURITY	3 credits
	Prerequisite: 3800:101. Examines practical applications of effective information security measures and legal, ethical and privacy issues concerning the storage and use of information in society.	
235	SCHOOL CRIME & VIOLENCE PREV	3 credits
	Prerequisites: 3800:101, 120. Examines the nature and extent of crime and deviance in American schools. Particular focus is on the use of a systems approach to prevent crime.	
240	VICE & ORGANIZED CRIME	3 credits
	Prerequisites: 3800:100 and permission. An overview of organizations operating nationally and internationally in a variety of criminal activities with a particular emphasis on narcotics trafficking.	

245	HOMELAND SECURITY: PRIN & PRAC	3 credits
	Prerequisite: 3800:101. Overview of fundamental homeland security concepts and issues such as: intelligence, critical infrastructure protection, hazards, strategy, policy, risk, organizational design and leadership.	
250	CRIMINAL CASE MANAGEMENT	6 credits
	Prerequisites: 3800:100, 2820:105 and permission. Reconstruction of chronological sequence of a crime including searching, collection, preserving and evaluation of physical and oral evidence. Scientific approach to criminal investigation.	
251	CRIMINAL INVESTIGATION	3 credits
	Prerequisite: 3800:100. The course provides the student with fundamental investigative skills and the ability to manage a criminal case from initiation through conclusion.	
253	BASIC FORENSIC METHODS	3 credits
	Prerequisites: 3800:100, 2820:105. Introduction to the science, technology and application of forensic methods in the investigation of crime.	
255	INTR TO FORENSIC INVESTIGATION	3 credits
	Prerequisite: 3800:100. This course is designed to introduce the student to the field of forensic science. The emphasis will be on skills and techniques of evidence evaluation.	
260	CRITICAL INCIDENT INTERVENTION	3 credits
	Prerequisite: 3800:100. This course is designed to introduce the student to the stressors and emotions of dealing with people and workers involved in crisis situations.	
262	POLICE ADMINISTRATION	3 credits
	Prerequisite: OPOTC Certification. Approaches to police administration from an overview perspective providing the fundamentals of administration and management while giving the law enforcement student a framework for understanding.	
270	COMMUNITY CORRECTIONS	3 credits
	Prerequisite: 3800:100. Examines the corrections component of the criminal justice system. Special focus on the development and use of probation, parole, and other alternative forms of sentencing.	
275	LEGAL ASPECTS OF CORRECTIONS	3 credits
	Examination of the influence of the legal system on corrections, especially United States Supreme Court decisions.	
286	COURTROOM COMMUNICATION	3 credits
	Prerequisite: 3800:100. Witnessing studies the trial process, emphasizing role of witnesses. Effective communication to juries, applicable evidentiary rules and preparation techniques are taught, preparing students for direct and cross-examination.	
287	THE LEGAL SYSTEM & PSYCHOLOGY	3 credits
	Prerequisite: 3800:100. Examination of various areas where law and psychology interface, particularly in criminal cases by examining the expanding role of psychology in justice system and the courtroom.	
292	ST: CRIMINAL JUSTICE	1-4 credits
	(May be repeated for a total of six credits). Prerequisite: permission. Workshops and special programs in selected areas of criminal justice such as community relations, crime statistics, ethics, survival.	
296	CT: CRIMINAL JUSTICE	1-3 credits
	Prerequisite: 3800:100. A variety of course topics on current subjects relative to law enforcement and the Criminal Justice System. May be repeated for up to 12 credits.	
297	INDP STUDY: CRIMINAL JUSTICE	1-3 credits
	Prerequisite: 3800:100 and permission. Selected topics and special areas of study in Criminal Justice Technology under the supervision of a selected faculty member with whom specific arrangements have been made.	
298	APPLIED ETHICS IN CRIM JUSTICE	3 credits
	Prerequisite: 100. This course deals with ethical considerations which confront justice practitioners and the legal ramifications of misconduct.	
302	THEORY OF CRIMINAL LAW	3 credits
	Prerequisite: 3800:102. Criminal law is built on a number of core issues. This course examines the principles and doctrines that shape and limit criminal liability and punishment.	
307	FOUNDATIONS OF CRIME ANALYSIS	3 credits
	Introduction to the profession of crime analysis. Provides an overview of crime analysis techniques.	
405	POLICING THEORY AND STRATEGY	3 credits
	Students will use social science theory and methods to evaluate police officers, practices and organizations.	
407	ADVANCED CRIME ANALYSIS	3 credits

Prerequisite: 3800:307. Introduction to advanced concepts and techniques for all major types of crime analysis: tactical, strategic, operations, administrative, intelligence, and investigative.

457 CRIME ANALYSIS APPLICATIONS 3 credits

Prerequisites: 3800:307 and 3800:407. Students apply theories, strategies, techniques, and methods with the breadth and quality of work expected of crime analysis professionals. Students should complete all technology core requirements for the Bachelor of Science degree in Criminal Intelligence Analysis before attempting this course.

465 CRITICAL INCIDENTS: ASSESS & I 3 credits

Introduction to the stressors and emotions of dealing with people in crisis situations. Intervention, assessment and prevention strategies to help people in traumatic situations.

100	INTRODUCTION TO SOCIOLOGY	3 credits
	Basic terminology, concepts and approaches in sociology, including introduction to analysis of social groups and application of sociological concepts to the understanding of social systems. Required of majors. Lecture/discussion.	
301	METHODS OF SOCIAL RESEARCH I	3 credits
	Prerequisites: 3850:100 and Arts & Sciences math requirement. The basis of this course is learning to apply course material to improve thinking, problem solving, and decisions in conducting research design and data gathering techniques. Required of all majors.	
302	METHODS OF SOCIAL RESEARCH II	3 credits
	Prerequisites: [3700:301 or 3850:301], 3850:100, and Arts & Sciences math requirement. Essential objectives of this course are developing expression skills in writing and learning fundamental principles in statistics. Other key topics include quantitative techniques and application to sociological data. Required of all majors.	
310	SOCIAL PROBLEMS	3 credits
	Prerequisite 100 or permission. Study of selected contemporary problems in society; application of sociological theory and research to understand the social construction of and response to these problems.	
315	SOCIOLOGICAL SOCIAL PSYCHOLOGY	3 credits
	Prerequisite: 100. The reciprocal influence of individuals and groups. How interpersonal processes produce and affect group structure. How groups affect the development and behavior of the social person.	
320	SOCIAL INEQUALITIES	3 credits
	Prerequisite: 100 or permission. This course covers local, regional, national, and global dimensions of social inequalities. Structural and interactionist approaches to relations of power in society frame the course.	
321	POPULATION	3 credits
	Prerequisite: 100 or permission. An introduction to world and national population trends, related demographic and social characteristics. Topics include fertility, mortality, morbidity, migration, abortion, birth control, population policy in relation to societal problems. Lecture.	
324	SOCIAL MOVEMENTS	3 credits
	Prerequisite: 100 or permission. Social movements as distinguished from other forms of collective behavior; analysis of social situations which produce social movements; focus on development of social movements and their role in social change. Lecture.	
325	SOCIOLOGY OF WOMEN GLOBAL SOC	3 credits
	Prerequisites: 100 or permission. Examination of research and theories pertaining to women's status in global society, including economic conditions, the relationship between structure and experience, and global/local linkages.	
330	CRIMINOLOGY	3 credits
	Prerequisite: 100 or permission. Major focus on interrelationships and analysis of crimes, criminals, criminal justice systems and society. Lecture.	
336	SOCIOLOGY OF WORK & OCCUPATION	3 credits
	Prerequisite: 100 or permission. Survey of theory and empirical research in areas such as the structure of occupations and professions, occupational attainment, work force characteristics, work values and orientations, the nature of work. Lecture.	
340	THE FAMILY	3 credits
	Prerequisite: 100 or permission. Analysis of family as a social system; historical, comparative and contemporary sociological approaches examined in relation to family structure and functions. Lecture.	
341	POLITICAL SOCIOLOGY	3 credits
	Prerequisite: 100 or permission. Survey of theory and empirical research dealing with relationship between political phenomena and the larger network of social processes in human societies. Lecture.	
342	SOCIOLOGY OF HEALTH & ILLNESS	3 credits
	Prerequisite: 100 or permission. General survey of sociological perspectives, concepts and research on health, illness and health-care delivery systems. Lecture.	
343	SOCIOLOGY OF AGING	3 credits
	Prerequisite: 100 or permission. Examination of process of aging from perspective of behavioral and sociological aspects. Lecture.	
350	DRUGS IN SOCIETY	3 credits
	Prerequisite: 100 or permission.. This course is a survey, from a sociological perspective, of drug abuse, of the relationship between drugs and crime, and of various treatment strategies.	
360	SOC EFFECTS OF CRIME IN MEDIA	3 credits
	Prerequisite: 3850:100. Sociological examination of the consequences of images of crime in the media. Focus on issues of stereotypes and discrimination by race, sex and class.	

365	ST: SOCIOLOGY	1-3 credits
(May be repeated) Prerequisite: permission. Special topics of interest to sociology major and non-major not covered in regular course offerings.		
397	SOCIOLOGICAL READINGS & RSRCH	1-3 credits
Prerequisite: permission. Individual study of problem area of specific interest to individual student under guidance of department member. Preparation of a research paper.		
401	ADV TOPICS IN RESEARCH METHODS	3-6 credits
Prerequisites: 3700:201 or 3850:301. Special topics of interest in advanced methods not covered in regular course offerings.		
410	SOCIAL STRUCTURES & PERSONLTY	3 credits
Prerequisite: 100 or permission. Interrelationships between position in society, personality characteristics. Personality treated as both result and determinant of social structure and process. Lecture.		
411	SOCIAL INTERACTION	3 credits
Prerequisite: 100 or permission. Intensive study of advanced theory and research in social psychology, particularly how social interaction and self-conception affect one another. Lecture.		
412	SOCIALIZATION: CHILD TO ADULT	3 credits
Prerequisite: 100 or permission. Theoretical and empirical analysis of process by which infant, child, adolescent and adult learn social and cultural requirements necessary to function in new roles, changing roles and society in general.		
415	WOMEN IN PRISON	3 credits
Prerequisite: 100 or permission of instructor. In depth examination of women's experiences in prison. Includes processes involved in the movement into prison, experiences while in institutions, and transitioning out of prison.		
416	WOMEN AND CRIME	3 credits
Prerequisite: 3850:100 or permission. An overview of women's experiences with crime, including women as offenders, victims, and workers in the criminal justice system.		
421	RACE & ETHNIC RELATIONS	3 credits
Prerequisite: 100 or permission. Analysis of structure and dynamics of race and ethnic relations from a variety of perspectives emphasizing both historical and contemporary issues. Lecture.		
425	SOCIOLOGY OF URBAN LIFE	3 credits
Prerequisite: 100 or permission. Emergence and development of urban society. Examination of urban social structure from neighborhood to metropolis, the problems and prospects. Emphasis on various life styles of urban subcultures. Lecture/discussion.		
428	VICTIM IN SOCIETY	3 credits
Prerequisites: 100 or permission. Study of the nature, causes, and consequences of victimization with special focus on crime victimization.		
430	JUVENILE DELINQUENCY	3 credits
Prerequisite: 100 or permission. Analysis of social structure and process from which delinquency develops. Emphasis on current and past research. Lecture/discussion.		
431	CORRECTIONS	3 credits
Prerequisites: 330 or 430. Theories, beliefs and practices of community and institutional corrections systems, including past and current social research. Course taken prior to 3 credit hour Field Placement in Corrections (3850:471).		
433	SOCIOLOGY OF DEVIANT BEHAVIOR	3 credits
Prerequisites: 100 and at least six additional credits of sociology courses or permission. Survey of theories of deviant behavior and relevant empirical research. Special emphasis given to interaction processes and social control. Lecture.		
435	SOCIOLOGY OF LOVE	3 credits
Prerequisite: 100 or permission. Study of the relation of love to the social order. Coverage includes diverse types, such as romantic, familial, religious, and altruistic love.		
441	SOCIOLOGY OF LAW	3 credits
Prerequisites: 100 and at least six additional credits of sociology courses or permission. Social origins and consequences of law and legal processes. Emphasis on uses of law, social change and aspects of legal professions. Lecture.		
447	SOCIOLOGY OF SEX AND GENDER	3 credits
Prerequisite: 100 or permission. Review of research and theories of sex and gender. Examination of gender as structure, process and experience in society.		
450	SOCIOLOGY OF MENTAL ILLNESS	3 credits

Prerequisite: 100 or permission. The social history of the mental hospital, theories and epidemiology of mental illness, community-based treatment models, the organization of mental health services, the role of personal social networks and mutual support groups.

455 FAMILY VIOLENCE 3 credits

Prerequisite: 100. Family violence with a focus on child abuse, courtship violence, spouse/partner abuse, and elder abuse. Theories, methodologies, and strategies to end family violence are explored.

460 SOCIOLOGICAL THEORY 3 credits

Prerequisite: 100 or permission. An overview and examination of theoretical issues in sociology through the study of both classical and contemporary theoretical work.

470 RES METH: SOCIAL SCI PROSEM 3 credits

Pre-requisite: Completion of required coursework for the Research Methods Certificate Program or Permission of Instructor. Application of qualitative and/or quantitative research methods and analysis, and preparation of a scholarly research paper for presentation and/or publication. Seminar.

490 ORGS,COMMUNITY,& SOCIAL ACTION 3 credits

Survey of organizational and community issues that affect the achievement of shared goals. Emphasis on the evidence-based approaches at both the organizational and community levels.

495 FIELD INTERNSHIP 2-4 credits

Prerequisites: permission of a faculty supervisor and a minimum of 64 hours of undergraduate coursework of which 12 hours must be in sociology. Placement in community organization for supervised experience related to degree requirements. Student must submit an application to the intern coordinator during semester prior to enrollment.

496 SENIOR HONORS PROJECT 1-3 credits

(May be repeated for a total of six credits) Prerequisites: enrollment in Honors College, Senior standing, and major in sociology. Thesis or original creative work appropriate to student's area of interest. Requirements and evaluation of project determined by departmental honors preceptor and student's honors project adviser.

100 INTRO NEW MEDIA: CREATIVE MIND 3 credits

In addition to an introduction to the history and theory of New Media, students will enhance their creative mind through seminar and simple practices. No prior art or digital media experience is required.

300 NEW MEDIA II:CREATIVE PRACTICE 3 credits

Prerequisite or Corequisite: 100. Students practice various New Media technologies. No prior art or digital media experience is required.

400 NEW MEDIA III:CREATIVE PROJ 3 credits

Prerequisite: 300. Students create their original New Media Art projects through research, proposals, productions and a show.

401 HISTORY OF PERF & NEW MEDIA 3 credits

Prerequisite: 7100:101 or permission. A survey of performance art and new media, including video art and sound art, this course takes an historical overview of its subjects from the emergence of performance art in the late 19th century (including dance, theater, and music) and video and sound art in the 1960s, through the present moment.

100	SURVEY OF HISTORY OF ART I	3 credits
	Introductory survey of world art from prehistory to c. 1250 C.E.	
101	SURVEY OF HISTORY OF ART II	3 credits
	Prerequisite: 7100:100. Introductory survey of world art from 1250 to 1850 C.E.	
102	SURVEY OF HISTORY OF ART III	3 credits
	The third component in a 3-part series of introductory art history courses, this class covers the modern era, from Realism, Impressionism, and the Pre-Raphaelites through the present moment.	
103	ARTS ORIENTATION	0 credits
	Corequisite: with first 7100 art course. Orientation to the information and strategies necessary to aid new art students in their understanding of the field of art.	
104	VISUAL ARTS APP IN ELEM CLSSRM	3 credits
	Exploration of methods, materials, processes and visual techniques relating two- and three-dimensional art experiences for the teacher of elementary children. No credit as an elective course for art majors.	
105	INTRODUCTION TO ART EDUCATION	2 credits
	An introduction to the art teaching profession, this course covers historical and contemporary issues and practices in art education and in public schooling in the United States.	
110	INTRODUCTION TO NEW MEDIA	3 credits
	Students learn state of the art knowledge and activities of New Media. This course will be in addition or cross-listed with the 7000:100 course.	
131	FOUNDATION DRAWING I	3 credits
	Corequisite: 7100:103. Introduction to drawing materials and techniques with an emphasis on observation, representation, and formal principles of composition and design.	
132	INTRODUCTION TO DESIGN	3 credits
	Introductory course in design theory increases the graphic designer's ability to solve visual problems using both practical and theoretical approaches.	
144	FOUNDATION 2D DESIGN	3 credits
	Fundamental information about the theory and practice of visual design as applied to surfaces, including composition, color and pictorial illusions with lecture and studio experience.	
145	FOUNDATION 3D DESIGN	3 credits
	Introduction to meaning of design and act of designing in real space. Study of naturally occurring form, structure and process.	
184	TYPOGRAPHY 1	3 credits
	Prerequisite: 7100:132. Studio experience in concept development and processes, tools and materials of graphic designers. Elementary design problems in graphic design.	
185	INTRO: COMPUTER GRAPHICS	3 credits
	(May be repeated for a total of six credits) Prerequisites: 7100:131 and 7100:144 or permission of instructor. Introduction to the use of microcomputers as a creative tool for visual artists and designers.	
210	VISUAL ARTS AWARENESS	3 credits
	Prerequisite: 3400:210 or 3400:221. Lecture course providing appreciation and understanding of arts of various types/periods with emphasis on topics and influences on societies, rather than historical sequence	
213	INTRODUCTION TO PRINTMAKING	3 credits
	Prerequisites: 7100:131 or 7100:144. A fast-paced introduction to traditional and contemporary high-tech/low-tech printmaking processes including relief, intaglio, lithography, and screenprint as well as digital printmaking.	
214	RELIEF/SCREENPRINT	3 credits
	Prerequisite: 7100:213. An introduction to the history, process, and contemporary practice of relief printing and screenprinting.	
216	INTAGLIO/LITHOGRAPHY	3 credits
	Prerequisite: 7100:213. An introduction to the history, process, and contemporary practice of intaglio and lithographic printing.	
222	INTRODUCTION TO SCULPTURE	3 credits
	Prerequisite: 7100:145. Exploration of aesthetic factors influencing sculptural statements. Development of proficiency in the use of tools, materials and techniques.	
223	SCULPTURE: STONE	3 credits

Prerequisite: 7100:222. Beginning level lecture and studio course using both traditional hand tools for the creation of stone sculpture. History of the use of stone, evolution of stone working technology and contemporary artists working with stone.		
224	INSTALLATION ART	3 credits
Prerequisite: 7100:222. Lecture and studio course introducing the student to the medium of installation art, a major emphasis in the contemporary art scene. The history and evolution of installation art and its use by contemporary artists.		
231	INTERMEDIATE DRAWING	3 credits
Prerequisite: 7100:131. Continued investigation of basic drawing concepts. Introduction to drawing in color with further development of observation, design, technique and conceptual skills.		
233	FOUNDATION LIFE DRAWING	3 credits
Prerequisite: 7100:131. Perceptual problems in drawing from the life model. Study of skeletal, muscular, mechanical nature of human figure and application of this knowledge to the resolution of aesthetic problems. (May be repeated for a total of six credits.)		
234	ANATOMY FOR ARTISTS	3 credits
Prerequisite: 7100:233. Studio/lecture experience in drawing and sculpture with an emphasis on human skeletal, muscular, and surface structure.		
243	INTRODUCTION TO PAINTING	3 credits
Prerequisites: 7100:131 and 7100:144. Study of aesthetic and technical problems involved in painting. Emphasis on painting from observation, and understanding of color in painting.		
244	COLOR CONCEPTS	3 credits
Prerequisites: 7100:131 and 7100:144. Lecture and studio experience giving information concerning perception of color, additive color phenomena of light, subtractive color phenomena of pigments and dyes, color notation systems and psychological effects of color.		
246	INTRO: WATER-BASED MEDIA	3 credits
(May be repeated for a total of six credits.) Prerequisites: 7100:131 and 7100:144. Experimentation with water-based media such as tempera, acrylic, and gouache.		
250	FOUNDATION REVIEW	0 credits
Prerequisites: 7100:131, 7100:144, 7100:145 and 7100:233. Credit/noncredit course. Faculty review of art foundation studio work from prerequisite/corequisite courses.		
251	WATERCOLOR	3 credits
Prerequisites: 7100:131 and 7100:144. Students will investigate traditional and contemporary watercolor techniques and mixed media while addressing issues of composition and conceptual concerns.		
253	CERAMICS FOR NON-ART MAJORS	3 credits
Hand-building, glazing and kiln loading. Link skills to personal experience, ceramic history and contemporary art and craft issues. No credit toward a major in art.		
254	INTRODUCTION TO CERAMICS	3 credits
Prerequisites: 7100:131 and 7100:144. Studio/lecture course exploring potentials of hand-building techniques in both sculptural and functional forms. Clay processing, glaze application and practical kiln firing.		
266	INTRODUCTION TO METALSMITHING	3 credits
Prerequisite: 7100:144 and 7100:145. Studio experience in which student is introduced to properties of metals, processes of silversmithing and design and production of jewelry.		
267	INTERMEDIATE JEWELRY	3 credits
Prerequisite: 7100:266. This class builds on acquired in Introduction to Metalsmithing. Emphasis will be placed on fine jewelry techniques including working with silver.		
268	COLOR IN METALS	3 credits
Prerequisite: 7100:266. Introduction to a variety of techniques to achieve and/or combine color in metals. Techniques such as anodizing aluminum, enameling and the application of color resins and plastics will be explored.		
273	INTRO: DIGITAL PHOTOGRAPHY	3 credits
Prerequisites: 7100:131 and 7100:144; or permission. An introductory digital photography course covering technical, aesthetic and conceptual issues. Digital camera with manual exposure controls required. No credit for photography majors.		
274	PHOTOGRAPHY I - NON-ART MAJORS	3 credits
Film-based black and white photography including camera control, film processing, and darkroom printing. 35mm camera with full manual control required. No credit toward art major.		
275	INTRODUCTION TO PHOTOGRAPHY	3 credits
Prerequisites: 7100:131 and 7100:144. Film-based black and white photography including camera control, film processing and darkroom printing. 35mm film camera with full manual control required.		

276	INTRO: COMMERCIAL PHOTOGRAPHY	3 credits
Prerequisite: 7100:274 or 7100:275. Corequisite: 7100:280. Students are introduced to the numerous commercial applications of studio and location photography while working through a series of advertising related photographic projects.		
280	DIGITAL IMAGING	3 credits
Prerequisites: 7100:276 or 7100:289. An exploration of contemporary digital image capture, manipulation, output and distribution, emphasizing digital image concepts, aesthetics and production.		
281	DESIGN FOR THE WEB & DEVICES I	3 credits
Prerequisite: 7100:280. This course introduces the process of planning designing and producing XHTML and CSS standard sites with an emphasis on the creative aspects of web development.		
282	DESIGN FOR WEB AND DEVICES II	3 credits
Prerequisite: 7100:281. Building on knowledge from 7100:281 Designing for the Web and Devices I students will review IA, JavaScript, XML and advanced Dreamweaver for web distribution on computer screens and handheld devices.		
283	DRAWING TECHNIQUES	3 credits
Prerequisites: 7100:131 and 7100:132. Includes advanced drawing and presentation techniques commonly used in graphic design. Various presentation and design problems will be encountered stressing use of selected drawing methods and processes.		
288	TYPOGRAPHY II	3 credits
Prerequisite: 7100:184. Introduction to typographic design to communicate. Study of letterforms, history, comping skills, layout design and digital technology.		
289	PRODUCTION I	3 credits
Prerequisite: 7100:132. A computer-based course. Using industry-standard software, students focus on incorporating type and image to produce comprehensive design solutions.		
300	ART SINCE 1945	3 credits
Prerequisite: 7100:101 and 7100:102 or permission of instructor. Consideration of significant developments in visual art forms since World War II in architecture, sculpture, printing, photography, metal, textile, ceramics, printmaking and graphic design.		
301	MEDIEVAL ART	3 credits
Prerequisite: 7100:101 or permission of instructor. Painting, mosaics, architecture, sculpture, and luxury arts of medieval Europe from 4th through 14th centuries.		
302	ART IN EUROPE- 17TH-18TH CNTRY	3 credits
Prerequisite: 7100:101 or permission of instructor. Analysis of major European examples of architecture, landscape design, painting, prints and sculpture from beginning of the 17th century until approximately 1850.		
303	ITALIAN RENAISSANCE ART	3 credits
Prerequisite: 7100:101 or permission of instructor. Study of architecture, painting and sculpture of Italy during 13th through 16th centuries.		
306	RENAISSANCE ART IN NRTH EUROPE	3 credits
Prerequisite: 7100:101 or permission of instructor. Painting, architecture, and sculpture of northern Europe from 14th through 16th centuries.		
307	HISTORY OF GRAPHIC DESIGN	3 credits
Prerequisite: 7100:101 or permission of instructor. A lecture course analyzing the development of graphic design as an art form from Neolithic sources to the present.		
309	GREEK ART	3 credits
The course presents art and architecture of ancient Greeks, and focuses on major monuments, myths, rituals, socio-political constructs, and methodological issues associated with Greek art.		
310	4D DESIGN: MOTION	3 credits
Prerequisites: 7100:280, 7100:289, 7100:387 or by permission. Study the history of animation and the principles of animation. Design motion graphics in a non-linear environment. Emphasis on audio, video, type and image.		
311	4D DESIGN: INTERACTIVITY	3 credits
Prerequisites: 7100:280, 7100:289, 7100:387 or by permission. Students are introduced to interactivity, user interaction, time-based and on-screen design with a focus on design principles and concerns of type, image, audio, video and animation.		
312	ROMAN ART & ARCHITECTURE	3 credits
Study of Roman art and architecture from the sixth century B.C.E. through the fourth century C.E.		

313	SURVEY OF ASIAN ART	3 credits
	This course introduces the student to the historical, cultural, political, and religious aspects of civilization that influenced the aesthetics of Asian art.	
317	PRINT MATRIX	3 credits
	Prerequisites: 7100:214 and 7100:216. Intermediate printmaking class requiring the application of printmaking to the production of imagery for specific printmaking applications - Book Arts, Hybrid Prints, Serial Imagery, etc.	
318	PORTRAIT LIGHTING	3 credits
	Prerequisite: 7100:276. Studio and location lighting techniques for commercial and fine art portraiture.	
319	PRINTMAKING REVIEW	0 credits
	Prerequisite: 7100:317. A committee of full-time faculty review portfolio of studio work completed in all printmaking courses.	
320	PRODUCT PHOTOGRAPHY	3 credits
	Prerequisite: 7100:276. Professional skills are further developed via studio and tabletop photography assignments based on current trends in illustration and advertising photography.	
322	SCULPTURE II	3 credits
	(May be repeated for a total of nine credits) Prerequisite: 7100:222 or permission. Continuation of 222. Addresses more advanced techniques. May include fabrication, casting, carving, or assemblage.	
323	LOST WAX CASTING	3 credits
	(May be repeated for a total of six credits.) Prerequisites: 7100:222 or 7100:266. Bronze and aluminum casting using the lost wax process. Students learn foundry techniques and apply them to individual artistic statements.	
330	NEW MEDIA II	3 credits
	Prerequisite or Corequisite: 7100:110 or 7100:100. Students practice various New Media technologies. No prior art experience is required. This course will be in addition or cross-listed with the 7000:300 course	
335	INTERMEDIATE LIFE DRAWING	3 credits
	Prerequisites: 7100:233. Continued development of the content established in Life Drawing with additional emphasis on draped models, drawing materials and aesthetics. (May be repeated for a total of nine credits.)	
348	INTERMEDIATE PAINTING	3 credits
	(May be repeated for a total of six credits, but limited to a maximum of three credits in a given medium) Prerequisite: 7100:243. Development of personal concepts and imagery through investigation of historical and contemporary styles and issues.	
350	PAINT/DRAWING PORTFOL REVIEW	0 credits
	Prerequisite: Two courses in 7100:348 Intermediate Painting. A committee of full-time faculty review portfolio of student work completed in prerequisite courses.	
353	THROWING	3 credits
	Prerequisite: 7100:254. Emphasis on making pottery using the potter's wheel as well as organization and planning skills needed to make glazes and fire kilns.	
356	HISTORY OF CRAFT	3 credits
	This course is designed to illuminate selected aspects of the history of the making of things as these apply to current practice in the crafts.	
366	METALSMITHING II	3 credits
	(May be repeated for a total of six credits) Prerequisite: 7100:266. Continuation of experiences presented in 266 with further development of skills and expansion of technical knowledge.	
368	COLOR IN METALS II	3 credits
	(May be repeated for a total of 12 credits.) Prerequisite: 7100:268. Continuation of 268. Advanced projects designed to develop the student's aesthetic values in color in metals. Emphasis on individual approach and experimentation.	
369	PRODUCTION FOR JEWELRY	3 credits
	Prerequisite: 7100:266. This class will investigate ways of producing artwork and jewelry in multiples and limited production runs. Attention will also be given to packaging, display, and marketing the work.	
370	HISTORY OF PHOTOGRAPHY	3 credits
	Prerequisite: 7100:102. A lecture course studying the history of photography from its invention to contemporary issues.	
374	PHOTOGRAPHY II NON-ART MAJORS	3 credits
	Prerequisite: 7100:274. Projects designed to expand the student's awareness of technical conceptual and aesthetic issues in photographic images. 35mm film camera with full manual control required.	
375	PHOTOGRAPHY II	3 credits

Prerequisite: 7100:275. Projects designed to expand student's awareness of technical, conceptual and aesthetic issues in photographic images. 35mm film camera with full manual control required.		
377	MEDIUM AND LARGE FORMAT PHOTOG	3 credits
Prerequisite: 7100:374 or 7100:375. A technical course using medium and large format film cameras, which are furnished for the course's duration. Topics include camera movements, advanced exposure and development techniques.		
378	ALTERNATIVE PHOTOGRAPH PROCESS	3 credits
Prerequisites: 7100:374 or 7100:375. Exploration in alternative photographic processes using hand-coated Cyanotype, Van Dyke Brown and Platinum emulsions, with digitally created large-format negatives.		
381	DIGITAL IMAGING II	3 credits
Prerequisite: 7100:280. Advanced digital imaging development and manipulation with an emphasis on preparation and use of digital images in print, multimedia and web applications.		
382	GRAPHIC DESIGN JUNIOR REVIEW	1 credits
Prerequisites: 7100:250 and 7100:288. Corequisites: 7100:384 and 7100:387. Junior level review by graphic design faculty. Students present a portfolio of work from specified courses that exemplify creative and technical competencies.		
383	MULTIMEDIA PRODUCTION	3 credits
(May be repeated for a total of six credits.) Prerequisite: 7100:285. Introduction to the theory and methods of contemporary multimedia production. Exploration of the hardware/software employed in the organization, development and production of multimedia presentations.		
384	PROFESSIONAL DESIGN PRACTICES	2 credits
Prerequisite: 7100:288;. Corequisite: 7100:382 and 7100:387. Comprehensive overview of standard business practices specific to the design field. Prepares students to work as interns in professional creative environments.		
385	COMPUTER 3-D MODEL/ANIMATION	3 credits
Prerequisites: 7100:145, 7100:185 or permission. Advanced computer imaging course with an emphasis in three-dimensional modeling and animation. Can be repeated for a total of 9 credits.		
387	TYPOGRAPHY III	3 credits
Prerequisite: 7100:288. Corequisite: 7100:384. Integration of typography, photography, copywriting and other visual elements into advertising and design. Students also build a junior level portfolio.		
388	PRODUCTION II	3 credits
Prerequisites: 7100:276 and 7100:387. More complex projects with emphasis given to mechanical preparation of finished art for various printing processes.		
401	ST: HISTORY OF ART	1-3 credits
(May be repeated for credit when a different subject or level of investigation is indicated) Prerequisites: 7100:101 or permission of instructor. Lecture course in which subject is specified each time course is offered. Focuses upon an art movement, time period, the production of a single artist or a specific art medium.		
402	MUSEOLOGY	3 credits
Lecture course dealing with museum science, including museum history, staff structures, art handling, storage, and presentation and exhibit preparation.		
403	ART AND CRITICAL THEORY	3 credits
Prerequisites: 7100:100, 7100:101 or permission of the instructor. This course, designed for both studio and art history majors, surveys the major theoretical currents in contemporary criticism and art history.		
405	HISTORY OF ART SYMPOSIUM	1-3 credits
(May be repeated for credit when a different subject is indicated) Prerequisite: one art history course beyond 7100:101 or permission of instructor. Lecture, individual research and evaluation, group discussion related to a specific time period or to an artistic problem.		
407	METHODS OF ART HISTORY	3 credits
Prerequisite: 7100:101 or permission of the instructor. This course explores the history of the discipline and the permutations it has undergone since its establishment in the early years of the nineteenth century.		
409	TIME-BASED MEDIA	3 credits
(May be repeated for a total of six credits.) Prerequisite: 7100:285. Through the development of increasingly complex projects, students explore the conceptual and aesthetic considerations of creating motion media based presentations.		
410	METHODS OF TEACHING ELEM ART	3 credits
Prerequisite: 7100:105. Corequisite: 7100:428. A field based course presenting the necessary skills and knowledge to successfully implement, plan, instruct, and assess a diverse art-based curriculum for the elementary classroom.		
411	METHODS OF TEACH SECONDARY ART	3 credits

Prerequisite: 7100:105. Corequisite: 7100:429. A field based course presenting the necessary skills and knowledge to successfully implement, plan, instruct, and assess a diverse art-based curriculum for the secondary classroom.		
412	STUDENT TEACHING COLLOQUIUM	1 credits
Prerequisite: Senior status, successful completion of field experience, and permission of instructor. Corequisite: 5300:495. Lecture course providing the skills and knowledge necessary for art education licensure. Student will gain knowledge in resume building, licensure requirements, and practical pedagogical techniques.		
418	MULTIPLES AND MULTIPLICITY	3 credits
Prerequisites: Student must have Junior standing and have completed at least one 7100:300 level course in their major. Advanced printmaking class recommended for studio majors working with multiples, variability, and production requiring students to define and complete their own projects.		
419	ST: PRINT	3 credits
Prerequisites: 7100:131 or 7100:144 or 7100:145. Investigation in specialized printmaking media like Photogravure, Digital Printing, and Book Arts among others. May be offered in conjunction with university sponsored residency or travel.		
420	SCULPTURE PORTFOLIO REVIEW	0 credits
Perquisites: 7100:422. Corequisite: 7100:422. A committee of full-time faculty reviews portfolio of studio work completed in prerequisite/corequisite courses.		
422	ADVANCED SCULPTURE	3 credits
(May be repeated for a total of 15 credits.) Prerequisite: 7100:250 and 7100:322. Development of individual points of view and sculptural statements.		
423	COMMUNITY BASED ART EDUCATION	3 credits
A service learning course for art educators that combines traditional lecture, demonstration, and hands-on workshop to introduce students to contemporary practices in community-based arts.		
424	MIDDLE SCHOOL MATERIALS & TECH	3 credits
A lecture course in which students will gain hands-on approach to developing instructional art materials and lessons for the middle school.		
425	CERAM: METHDS, MATERLS, & CNCP	3 credits
Prerequisites: 7100:131 and 7100:145. (Lab) Ceramics for teachers. Introduces the potter's wheel, hand-building, firing kilns, history of ceramics and ceramic forms, safety in the studio and strategies for teaching ceramics.		
426	EARLY CHILDHOOD ART EDUCATION	3 credits
A lecture course for art educators exploring visual arts as a vehicle for whole child development and learning across the curriculum in P,K-5 school settings.		
427	ART IN THE INCLUSIVE CLASSROOM	3 credits
Prerequisite: 5100:220. Art education course exploring the use of art with diverse populations through lecture, hands on art making and site visitations.		
428	ELEMENTARY FLD EXP: ART LICEN	1 credits
Corequisite: 7100:410. Instructional experience in the P,K-6 art classroom to apply theory and research into practice.		
429	SECONDARY FLD EXP: ART LICEN	1 credits
Corequisite: 7100:411. Instructional experience in the 7-12 art classroom to apply theory and research into practice.		
430	PROFESS PRAC FOR ART EDUCATORS	1 credits
Prerequisites: 7100:410 and 7100:411. A lecture course providing support and guidance to develop the pre-professional skills and knowledge necessary for employment in the field of Art Education.		
435	CONTEMPORARY ART ISSUES	3 credits
Prerequisite: 7100:102. Discussion course for advanced students in any visual arts discipline, dealing with concepts and critical theories related to current practice of the visual arts.		
440	NEW MEDIA III	3 credits
Prerequisite or corequisite: 7100:110 and 7100:330 (or 7000:100 and 7000:330) Students create their original New Media projects through proposals, productions, and a show. This course will be in addition or crosslisted with the 7000:400 course.		
450	ADVANCED LIFE DRAWING	3 credits
Prerequisite: 7100:335. Drawing from the live model, with an experimentation leading to an individual style. (May be repeated for a total of 9 credits).		
452	SERVICE LEARNING IN ART	3 credits
Prerequisite: senior standing. An interdisciplinary, lecture/studio course that integrates fine art and design to promote understanding of the importance of sustained community outreach and serving as arts advocates.		
453	ADVANCED THROWING	3 credits

(May be repeated for a total of 6 credits.) Prerequisite: 7100:250 and 7100:353 or permission of instructor. Emphasis on making pottery using the potters wheel beyond the beginning level including organization and planning skills needed to make and exhibit or sell items.		
454	ADVANCED CERAMICS	3 credits
(May be repeated for a total of 18 credits.) Prerequisite: 7100:250 and 7100:353 or 7100:354. Emphasis on refinement of technique toward personal aesthetic statement in preparation for professional or private studio production. Student may choose a general survey of subject matter or a more concentrated area of study.		
455	ADVANCED PAINTING	3 credits
Prerequisites: 7100:231 and 7100:348. Exploration of aesthetic and conceptual issues involved in developing an individual stylistic approach to image making, leading to senior portfolio and BFA exhibition. (May be repeated for a total of 15 credits)		
456	CERAMIC PORTFOLIO REVIEW	0 credits
Prerequisite: 7100:454. A committee of full-time faculty reviews portfolio of studio work completed in prerequisite courses.		
457	PROFESSIONAL PRACTICES	3 credits
Prerequisite: Junior or Senior status. This course covers business, marketing and professional development practices, while also introducing students to issues and strategies in contemporary art.		
460	THE MYERS FORUM: STUDIO	1-3 credits
Prerequisites: 7100:102 and 7100:250, & successful completion of at least one 300 level course in the Myers School of Art, or permission of the instructor. Cross-disciplinary studio addressing current issues related to theory and practice of visual communication.		
461	THE MYERS FORUM: SEMINAR	1-3 credits
Prerequisites: 7100:102 and 7100:250, & successful completion of at one 300 level course in the Myers School of Art, or permission of the instructor. Cross-disciplinary seminar addressing current issues related to the theory and practice of visual communication.		
465	PAINT/DRAWING SEN EXHIB PREP	0 credits
Prerequisites: senior status, the second 455 Advanced Painting/Drawing. Preparation of the portfolio to be exhibited in the Senior Exhibition.		
466	ADVANCED METALSMITHING	3 credits
(May be repeated for a total of 18 credits.) Prerequisites: 7100:250 and 7100:366. Investigation in depth of aesthetic and technical problems of metalsmithing. Student works on individual projects under guidance from instructor.		
467	METALSMITHING PORTFOLIO REVIEW	0 credits
Prerequisite: 7100:466. Corequisite: 7100:466. A committee of full-time faculty review portfolio of studio work completed in prerequisite courses.		
472	PHTO III: COLOR FR NON-ART MAJ	3 credits
Prerequisite: 7100:374. Advanced level lecture, studio and lab experience in color photography introducing students to technical, aesthetic and conceptual issues of the medium.		
473	PHOTOGRAPHY III: COLOR	3 credits
Prerequisite: 7100:375. Advanced level lecture, studio and lab experience in color photography introducing students to technical, aesthetic and conceptual issues of the medium.		
474	ADV PHOTOGRAPHY NON-ART MAJORS	3 credits
Prerequisite: 7100:374. Studio course with emphasis on advanced individual projects.		
475	ADVANCED PHOTOGRAPHY	3 credits
(May be repeated for a total of 21 credits.) Prerequisites: 7100:250, 7100:375, and 7100:473. Photographic media, light and photographic equipment manipulated experimentally to produce creative graphic images. Student works under guidance of instructor on advanced individual projects.		
476	PHOTOGRAPHY PORTFOLIO REVIEW	0 credits
Prerequisite: 7100:475. A committee of full-time faculty reviews portfolio of studio work completed in prerequisite/corequisite courses.		
479	PROF PHOTOGRAPHIC PRACTICES	3 credits
Prerequisites: 7100:475 and Senior Status. Introduction to business and marketing practices in the fine art and commercial photography industry. Financial, legal, organizational, promotional, interpersonal, and ethical practices will be covered.		
480	ADVANCED GRAPHIC DESIGN	3 credits
(May be repeated for a total of nine credits) Prerequisite: 388 or permission of instructor. Student works on advanced-level individual projects under supervision of instructor.		
481	DESIGN X NINE	3 credits

(May be repeated for a total of nine credits.) Prerequisite: 7100:388. Course focusing on professional business practices. Students chosen by portfolio review in junior year. Practical experience gained through working with clients and outside sources.

482 CORP IDENTITY & GRAPHIC SYST 3 credits

Prerequisite: 7100:384 and 7100:388. Advanced projects in corporate identity, graphic systems analysis, design. Problem solving for these specific areas of graphic design within mechanical limitations of art reproduction.

483 GRAPHIC DESIGN PRESENTATION 3 credits

Prerequisite: 7100:482. Students prepare a professional portfolio and resume. The course includes project development, portfolio review and exhibition.

484 ILLUSTRATION 3 credits

(May be repeated for a total of nine credits.) Prerequisite: 7100:283 or permission of instructor. Application of painting and drawing skills and aesthetic sensitivity to specific commercial illustration and editorial art assignments.

485 ADVANCED ILLUSTRATION 3 credits

(May be repeated for a total of nine credits) Prerequisite: 7100:484 or permission of instructor. Advanced projects designed to tune student's personal aesthetic to communicative imagery. A more individual approach to design. Drawing and painting emphasized as is experimentation with multimedia.

486 INTERACT MULTIMEDIA DEVELOPMT 3 credits

(May be repeated for a total of six credits.) Prerequisite: 7100:383. Utilizing two and three dimensional computer imagery, animation, video, and audio, students will plan, develop, and evaluate multimedia presentations, emphasizing scripting, sequencing, and interactivity.

487 PACKAGING DESIGN 3 credits

Prerequisite: 7100:482. Synthesis of two- and three-dimensional visual thinking. Research in materials applicable to packaging of various products. Assignment of projects stressing development of conventional and experimental package design.

488 TYPOGRAPHY IV 3 credits

Prerequisites: 7100:387. Senior level investigation of publication design, promotional brochures, and annual reports from concept to presentation. Focus on good concepts and problem-solving design.

489 ST: STUDIO ART 3 credits

(May be repeated for credit when a different subject or level of investigation is indicated) Prerequisite: Varies by course. Group Investigation of Topics not offered elsewhere in curriculum.

490 W: ART 1-4 credits

(May be repeated for credit when a different subject or level of investigation is indicated - 490 to maximum of eight credits; 590 to maximum of 12 credits.) Prerequisite: advanced standing in art or permission of instructor. Group investigation of a particular phase of art not offered by other courses in curriculum.

491 ARCHITECTURAL PRESENT I 3 credits

Prerequisite: 7100:144. Studio practice in architectural design and presentation methods in residential and commercial interiors.

492 ARCHITECTURAL PRESENT II 3 credits

Prerequisites: 7100:491/591. Continuation of concepts covered in Architectural Presentations I with additional work in color rendering techniques. Emphasis on a variety of rendering mediums.

493 ADV PHOTOGRAPHY: DIGITAL PRINT 3 credits

Prerequisites: 7100:280 and 7100:475. Digital technologies for fine-art photographers including scanning negatives; workflow; color management; image adjustment, correction and optimization; inkjet printing; and digital asset management.

494 ST: ART EDUCATION 1-3 credits

May be repeated for credit when a different subject or level of investigation of topics of interest to the art education student is not covered elsewhere in the curriculum.

495 SENIOR EXHIBITION 0 credits

Prerequisite: senior standing and permission. Exit review of work from B.F.A. candidate's major courses.

496 ART INTERNSHIP/PROF EXPERIENCE 1-6 credits

(Repeatable for credit. No more than 6 credits of internship may apply toward the elective requirement for completion of any art department major.) Prerequisites: junior level in major program and permission of Internship Director. In-depth professional training affording the intern on-the-job experience in selected areas of specialization.

497 INDP STUDY: ART 1-7 credits

(May be repeatable for 7 credits). Prerequisites for art majors: completion of at least one advanced course in the major with a grade of A or A- and permission of instructor. Investigation in depth of aesthetic and technical problems within a studio-selected area of specialization. Student must present in writing a proposed study plan and time schedule for instructor approval. Prerequisites for non-art majors: permission of instructor.

498 SENIOR THESIS: HIST OF ART

1-3 credits

(May be repeated for credit when a different subject or level of investigation is indicated) Prerequisites: 14 credits in art history and permission of instructor. Individual research in art history centered around limited topic, such as specific time period, history of specific techniques, a single artist or movement in art history. No more than 10 credits will be counted toward major.

499 HONORS IN ART

3 credits

(May be repeated for a total of six credits) Prerequisites: senior standing in the Honors Program and approval of honors project by faculty advisor. To be used for research in the Honors Program established by student and his/her adviser(s).

158	INTRO: INTERIOR DESIGN	3 credits
	Introduction to interior design studies with emphasis on developing basic skills and competencies required for residential design.	
225	TEXTILES	3 credits
	Basic study of natural and manufactured fibers. Emphasis on physical properties, selection and care. Attention given to design and manufacture of textiles. Lecture/Laboratory.	
257	AUTOCAD FOR INTERIOR DESIGN	3 credits
	Prerequisite: 7300:158 or permission from instructor. An introductory course in computer drafting as an alternative to conventional drafting for interior design applications.	
258	LIGHT IN MAN-MADE ENVIRONMENTS	3 credits
	Prerequisites: 2940:250. Comprehensive study of the essential principles of light in a three-dimensional context for man-made environments.	
259	FAMILY HOUSING	3 credits
	A study of three basic aspects of family housing: physical/design, financial/legal, and sociological.	
331	INTERIOR DESIGN THEORY	3 credits
	Prerequisites: 7300:158 and 7100:144. A comprehensive study of interior design theories and application in the built environment.	
333	PROGRAMMING & SPACE PLANNING	3 credits
	Prerequisites: 7300:259, 7300:331 and 2940:250. A comprehensive study of space planning principles and the programming phase of the design process.	
334	SPECIFICATIONS FOR INTERIORS I	3 credits
	Prerequisites: [7300:225 or 7350:225] and 7300:258. A comprehensive study of composition, characteristics, manufacture, dimensions and use, bi-products, installation, and specifications of interior construction materials.	
335	SPECIFICATION FOR INTERIORS II	3 credits
	Prerequisites: 7300:334. A comprehensive study of interior finish material with emphasis on soft goods and textiles, selection criteria, estimating, and writing specifications.	
336	PRIN & PRAC OF INTERIOR DESIGN	3 credits
	Prerequisites: 7300:334. Study of the business of interior design to include initiating and maintaining a successful practice in residential or non-residential design.	
337	INTER DESIGN CONTRACT DOCUMENT	3 credits
	Prerequisites: 7100:492. A comprehensive study of contract documents and work drawings required for the design of interior spaces. Emphasis on three-dimensional representation.	
338	INTRO TO REVIT - INTER. DESIGN	3 credits
	This is an introductory course in second generation parametric computer drafting as an alternative to conventional or older CAD programs for interior design applications.	
418	HISTORY OF INTERIOR DESIGN I	4 credits
	The study of furnishings, interiors, and architecture from antiquity through the eighteenth century, with emphasis on the social-cultural influences shaping their development.	
419	HISTORY OF INTERIOR DESIGN II	4 credits
	The study of nineteenth- and twentieth-century furnishings, interiors, and architecture, with emphasis on the social-cultural influences shaping their development.	
421	SP: FAMILY & CONSUMER SCIENCES	1-3 credits
	Additional study or apprentice experience in specialized field or preparation; group and individual experimentation.	
422	TEXTILES FOR INTERIORS	3 credits
	Prerequisite: 7300:225 or 7350:225. Evaluation of physical, aesthetic, comfort, care and durability properties of textile products and testing procedures to determine suitability for interiors.	
433	SENIOR DESIGN STUDIO I	3 credits
	Prerequisites: 7300:334, 7300:335, 7300:336, 7300:337 and [7300:422 or 7350:422]. A comprehensive study of residential design with emphasis on conceptual, analytical and graphic skills.	
434	SENIOR DESIGN STUDIO III	3 credits
	Prerequisites: 7300:334, 7300:335, 7300:336, 7300:337 and [7300:422 or 7350:422]. Advanced space planning and problem solving experiences for application in nonresidential design.	
435	DECORATIVE ELEMETS INTER DESIGN	1 credits

Prerequisites: 7300:334, 7300:335, 7300:337, [7300:418 or 7350:418], [7300:419 or 7350:419] and [7300:422 or 7350:422].
The selection and application of decorative elements in the built environment.

447 SR SEM: CRIT ISSUES-FCS DEV 1 credits

Prerequisites: FCS major & senior standing. Consideration of family and consumer sciences as a profession and its impact on the quality of life of individuals, families and their environments. Analysis of challenges facing the profession and all home economists.

450 FAMILIES, INDIVIDL & ENVIRONMT 3 credits

Prerequisite: FCS major, senior standing or completion of 90 credits or permission of instructor. Integrative exploration of issues affecting the well-being of individuals, families, and communities in the multiple environments in which they function.

458 SENIOR DESIGN STUDIO II 3 credits

Prerequisites: 7300:334, 7300:335, 7300:336, 7300:337 and [7300:422 or 7350:422]. A comprehensive study of the nonresidential design with emphasis on conceptual, analytical and graphic skills.

459 SENIOR DESIGN STUDIO IV 3 credits

Prerequisites: 7300:334, 7300:335, 7300:336, 7300:337 and [7300:422 or 7350:422]. Advanced space planning and problem solving experiences for application in residential and nonresidential design.

478 SENIOR PORTFOLIO REVIEW 1 credits

Prerequisites: permission of instructor. The development of the interior design portfolio.

479 THE NCIDQ EXAMINATION 1 credits

Prerequisites: permission of Program Director. The course is designed to help candidates prepare for the National Council for Interior Design Qualification Examination.

485 SEM: FAMILY & CONSUMER SCIENCE 1-3 credits

Prerequisite: permission of instructor. Exploration and evaluation of current developments in selected areas.

494 INTERN: FAMILY & CONSUMER SCI 1-6 credits

Prerequisite: permission of the instructor. In depth field experience in business, industry, or community agencies relating to the student's area of specialization.

497 INTERN: FAMILY & CONSUMER SCI 2-6 credits

Prerequisite: permission of instructor. In-depth field experience in business, industry or community agencies related to student's area of specialization.

499 SR HONORS PROJ: FAM & CONS SCI 1-3 credits

(May be repeated for a total of six credits) Prerequisites: senior standing in Honors Program and approval of honors preceptor. Individual study supervised by adviser. Student and preceptor develop goals, objectives and methodology.

123	FUNDAMENTALS OF CONSTRUCTION	3 credits
	Basic theory and application of construction fundamentals, including experiences with patterns and specialty fabrics.	
125	PRINC: APPAREL DESIGN	3 credits
	The study of contemporary apparel design and the relationship of design elements and principles to personal characteristics and social/professional orientation.	
139	FASHION & FURNISH INDUSTRIES	3 credits
	Overview of fashion and furnishings industries including production, distribution, promotion, and the impact of cultural influences. Discussion of career opportunities.	
219	DRESS AND CULTURE	3 credits
	Study of cultural, social, psychological and economic aspects of clothing. Emphasis on expression and use of clothing in relation to self, society and culture. Lecture/discussion.	
225	TEXTILES	3 credits
	Basic study of natural and manufactured fibers. Emphasis on physical properties, selection and care. Attention given to design and manufacture of textiles. Lecture/Laboratory.	
226	TEXTILE EVALUATION	3 credits
	Prerequisite: 7300:225 or 7350:225. Evaluating method, quality, and necessity of dyes, finishes, other coloration techniques and designs.	
305	ADV CONSTRUCTION & TAILORING	3 credits
	Prerequisite: 7350:123. Advanced theory and principles in construction of couture garment. Construction of coat or suit jacket utilizing custom tailoring techniques. Two hours lecture, four hours laboratory.	
311	SEMINAR IN FIBER ARTS	3 credits
	Exploration of a specific fiber arts technique such as needle arts, weaving, surface design, wearable art, or machine stitchery. (May be repeated for a total of nine credits).	
352	STRATEGIC MERCHANDISE PLANNING	3 credits
	Prerequisite: General Math Requirement. The fashion buyer's role in merchandise management and decision making with spreadsheets and merchandise mathematics incorporated into computer simulations.	
402	ADVANCED FIBER ARTS	3 credits
	Prerequisite: 7350:311 or permission of the instructor. An advanced course that builds on the skills learned in 7400:311, with the intention of reaching a caliber suitable for one of the many professions in this field, including business aspects such as market analysis and product development.	
418	HISTORY OF INTERIOR DESIGN I	4 credits
	The study of furnishings, interiors, and architecture from antiquity through the eighteenth century, with emphasis on the social-cultural influences shaping their development.	
419	HISTORY OF INTERIOR DESIGN II	4 credits
	The study of nineteenth- and twentieth-century furnishings, interiors, and architecture, with emphasis on the social-cultural influences shaping their development.	
421	SP: FAMILY & CONSUMER SCIENCES	1-3 credits
	Additional study or apprentice experience in specialized field or preparation; group and individual experimentation.	
422	TEXTILES FOR INTERIORS	3 credits
	Prerequisite: 7300:225 or 7350:225. Evaluation of physical, aesthetic, comfort, care and durability properties of textile products and testing procedures to determine suitability for interiors.	
425	TEXTILES FOR APPAREL	3 credits
	Prerequisites: [7300:225 or 7350:225] and 7350:226. Evaluation of physical, aesthetic, comfort, care, and durability properties of textile products and testing procedures to determine suitability for desired end uses.	
427	GLOBAL ISSU TEXTILES & APPAREL	3 credits
	Prerequisite: 7350:139. Examines the global structure and scope of the textile and apparel industries emphasizing an economic perspective.	
436	TEXTILE CONSERVATION	3 credits
	Prerequisites: 7350:123 and [7300:225 or 7350:225]. Principles and practices of textile conservation with emphasis on procedures appropriate for collectors and small historical agencies.	
437	HISTORIC COSTUME	3 credits
	Study of costume and textiles from antiquity through the 18th century, with emphasis on social/cultural influences.	
438	HISTORY OF FASHION	3 credits
	Study of western fashions, textiles, and designers with emphasis on social-cultural influences.	

439	FASHION ANALYSIS	3 credits
Prerequisites: 7350:125, 7350:139 and senior status. In-depth study of resources and processes for the analysis and forecasting of fashion trends. Emphasis on current designers and environmental forces that influence fashion.		
447	SR SEM: CRIT ISSUES-FCS DEV	1 credits
Prerequisites: FCS major & senior standing. Consideration of family and consumer sciences as a profession and its impact on the quality of life of individuals, families and their environments. Analysis of challenges facing the profession and all home economists.		
449	FLAT PATTERN DESIGN	3 credits
Prerequisite: 7350:123. Theory and experience in clothing design using flat pattern techniques.		
450	FAMILIES, INDIVIDL & ENVIRONMT	3 credits
Prerequisite: FCS major, senior standing or completion of 90 credits or permission of instructor. Integrative exploration of issues affecting the well-being of individuals, families, and communities in the multiple environments in which they function.		
485	SEM: FAMILY & CONSUMER SCIENCE	1-3 credits
Prerequisite: permission of instructor. Exploration and evaluation of current developments in selected areas.		
494	INTERN: FAMILY & CONSUMER SCI	1-6 credits
Prerequisite: permission of the instructor. In depth field experience in business, industry, or community agencies relating to the student's area of specialization.		
497	INTERN: FAMILY & CONSUMER SCI	2-6 credits
Prerequisite: permission of instructor. In-depth field experience in business, industry or community agencies related to student's area of specialization.		
499	SR HONORS PROJ: FAM & CONS SCI	1-3 credits
(May be repeated for a total of six credits) Prerequisites: senior standing in Honors Program and approval of honors preceptor. Individual study supervised by adviser. Student and preceptor develop goals, objectives and methodology.		

241	INTRO: FAM & CONS SCI EDUC	3 credits
	Introduction to the teaching of Family and Consumer Sciences in the secondary schools. Emphasis on state standards, current trends and societal factors affecting career-technical programs.	
407	FCB OCCUP EMPLOYMNT EXPERIENCE	4 credits
	Provides student with knowledge of current business and industrial practices at level minimally commensurate with employment expectations of graduates of vocational job training programs in Family and Consumer Sciences.	
421	SP: FAMILY & CONSUMER SCIENCES	1-3 credits
	Additional study or apprentice experience in specialized field or preparation; group and individual experimentation.	
431	PROF PRESENTATN SKILLS IN FCS	3 credits
	Prerequisites: 7760:141 or 250. Emphasis on development of abilities and strengths in coordination of equipment, materials, motion, speech, and presentation delivery relating to education and industry in Family and Consumer Sciences.	
447	SR SEM: CRIT ISSUES-FCS DEV	1 credits
	Prerequisites: FCS major & senior standing. Consideration of family and consumer sciences as a profession and its impact on the quality of life of individuals, families and their environments. Analysis of challenges facing the profession and all home economists.	
450	FAMILIES, INDIVIDL & ENVIRONMT	3 credits
	Prerequisite: FCS major, senior standing or completion of 90 credits or permission of instructor. Integrative exploration of issues affecting the well-being of individuals, families, and communities in the multiple environments in which they function.	
485	SEM: FAMILY & CONSUMER SCIENCE	1-3 credits
	Prerequisite: permission of instructor. Exploration and evaluation of current developments in selected areas.	
491	CAREER-TECH FCS INSTR STRATEGS	3 credits
	Prerequisites: 241, 5100:200, 5100:220. Organization of Career-Technical Family and Consumer Sciences programs in schools grades 4-12. Emphasis on strategies, compliance with state career-technical directives, student organizations, program planning, workplace replication and classroom observations.	
494	INTERN: FAMILY & CONSUMER SCI	1-6 credits
	Prerequisite: permission of the instructor. In depth field experience in business, industry, or community agencies relating to the student's area of specialization.	
497	INTERN: FAMILY & CONSUMER SCI	2-6 credits
	Prerequisite: permission of instructor. In-depth field experience in business, industry or community agencies related to student's area of specialization.	
498	STUDENT TEACHING SEMINAR	1 credits
	Corequisite: 5300:495. Seminar for students currently enrolled in Family and Consumer Sciences student teaching. Emphasis on block and lesson plan development, licensure, portfolio development, Praxis III, professional development, and student teaching reflections.	
499	SR HONORS PROJ: FAM & CONS SCI	1-3 credits
	(May be repeated for a total of six credits) Prerequisites: senior standing in Honors Program and approval of honors preceptor. Individual study supervised by adviser. Student and preceptor develop goals, objectives and methodology.	

100	FUNDAMENTALS OF MUSIC	2 credits
	Introduction of basic notation and development of functional music reading and keyboard skills. Conducted in electronic keyboard laboratory with computer-assisted instruction available. For non-music majors only, with little or no previous musical training.	
101	INTRO TO MUSIC THEORY	2 credits
	Prerequisite: Undergraduate Theory Placement Examination. Designed for prospective music major to correct deficiencies in theory background as determined through department placement testing. Includes classroom instruction and computer assisted instruction in basic notation, scales, meter, key signatures, ear training and basic familiarity with the keyboard. Credit not applicable toward music degree.	
102	INTRO TO MUSIC EDUCATION	2 credits
	Prerequisites: 121, 154. Overview of the music teaching profession and its processes. Screening of degree candidates is built into the course with clinical field experience.	
103	TRENDS IN JAZZ	2 credits
	An overview of the first 100 years of jazz music with emphasis on major figures and styles central to the development of jazz. This course is specifically designed for the non-music major.	
104	CLASS PIANO I	2 credits
	Prerequisite: 101 or permission of instructor. Designed for student with no previous keyboard experience to learn rudimentary keyboard skills such as playing scales, chords, arpeggios and melodic patterns as well as simple music.	
105	CLASS PIANO II	2 credits
	Prerequisite: 104 or permission of instructor. Continuation of work begun in 104.	
107	CLASS VOICE I	2 credits
	Prerequisite: 101 or permission of instructor. Minimum memorization and solo singing requirement: seven songs. Voice literature emphasis; folk songs, ballads, spirituals, sacred songs and easy art songs in English.	
108	CLASS VOICE II	2 credits
	Prerequisite: 107. Minimum memorization and solo singing requirement: eight songs. Vocal literature emphasis: old Italian and English songs, art songs in English or foreign language if student is conversant with the language.	
110	CLASS GUITAR	1 credits
	Introduction to the guitar, its repertoire and techniques. Basic classical techniques and music reading, strums, finger-picking, accompaniment patterns, blues styles will be covered.	
121	THEORY & MUSICIANSHIP I	4 credits
	Sequential, Prerequisite: Theory Placement Examination (65%) or Introduction to Theory (70%). Analysis, aural/oral skills; Diatonic pitch materials, three clefs; simple-compound meters, rhythmic divisions and subdivisions.	
122	THEORY & MUSICIANSHIP II	4 credits
	Sequential, Prerequisite: 7500: 121 (70%). Theory, analysis, aural/oral skills: Seventh chords, secondary function, four-part dictation; asymmetric meters, borrowed subdivision.	
141	EAR TRAINING/SIGHT READING I	1 credits
	Prerequisite: Placement in Theory I. Corequisite: 151. Major and minor keys; intervals, triads and inversions; diatonic progressions; three clefs; simple and compound meters; subdivision through sixteenth notes.	
142	EAR TRAINING/SIGHT READING II	1 credits
	Prerequisites: 141 and 151. Corequisite: 152. Seventh chords; melodic chromaticism; secondary function; four-part dictation; asymmetric meters; borrowed subdivision.	
151	THEORY I	3 credits
	Sequential, Prerequisite: Theory Placement Examination (with a score of 65% or higher) or the grade of C- or higher in 7500:101. Study/creative use of elements of music; investigation of music of major composers of classic/romantic eras; introduction to earlier musical practices and contemporary music.	
152	THEORY II	3 credits
	Sequential, Prerequisite: The grade of C- (70%) or higher in 7500: 151. Study/creative use of elements of music; investigation of music of major composers of classic/romantic eras; introduction to earlier musical practices and contemporary music.	
154	MUSIC LITERATURE I	2 credits
	Sequential. Familiarization with large body of musical material from all branches of music writing; vocal, instrumental, symphonic and choral music literature. Special attention given to style, form and structural procedures of principal composers.	
155	MUSIC LITERATURE II	2 credits

Sequential. Familiarization with large body of musical material from all branches of music writing; vocal, instrumental, symphonic and choral music literature. Special attention given to style, form and structural procedures of principal composers.

157	STUDENT RECITAL	0 credits
Required of all music majors until minimum requirement is met. Forum for student and faculty members providing lectures, recitals and opportunity for practice of various skills necessary for successful music performance.		
200	SEMINAR IN MUSIC	1-3 credits
Exploration of special topics in music for the non-music major (may be repeated for a total of 9 credits)		
201	EXPLORING MUSIC: BACH TO ROCK	3 credits
Prerequisite: 3400:210 or 3400:221. This course provides non-music majors with the skills to evaluate a wide range of music.		
210	JAZZ IMPROVISATION I	2 credits
Prerequisites: 262 and permission of instructor. Study and application of principles of jazz improvisation as they relate the chord-scale structures, motif development and style.		
211	JAZZ IMPROVISATION II	2 credits
Prerequisite: 210. Advanced study in principles of jazz composition.		
212	MUSIC IND:SURV PRACS & OPPORTUN	2 credits
A study of current practices affecting the professional musician and a survey of career opportunities relating to the music industry.		
221	THEORY & MUSICIANSHIP III	4 credits
Sequential, Prerequisite: 122 (70%). Theory, analysis, and aural/oral skills: Chromatic harmony, dictation of mixed and irregular meters, syncopation, dotted rhythms, and ties.		
222	THEORY & MUSICIANSHIP IV	4 credits
Sequential, Prerequisite: 221 (70%). Theory, analysis, and aural/oral skills: Advanced chromaticism and rhythm, extended tonality, form, serial and non-serial atonality.		
241	EAR TRAINING/SIGHT READING III	1 credits
Prerequisites: 7500:142 and 7500:152. Corequisite: 7500:251. Modulation; chromatic harmony; mixed meters.		
242	EAR TRAINING/SIGHT READING IV	1 credits
Prerequisites: 7500:241 and 7500:251. Corequisite: 7500:252. Twentieth-century materials: modes; whole-tone and octatonic scales; secundal and quartal/quintal harmony; classical, jazz, and non-western examples; polyrhythm; total and atonal contexts.		
251	THEORY III	3 credits
Sequential, Prerequisite: The grade of C- (70%) or higher in 7500:152. Renaissance vocal counterpoint; Baroque instrumental counterpoint; form and analysis of music of all eras.		
252	THEORY IV	3 credits
Sequential, Prerequisite: The grade of C- (70%) or higher in 7500:251. Renaissance vocal counterpoint; Baroque instrumental counterpoint; form and analysis of music of all eras.		
254	STRING METHODS I	1 credits
Prerequisites: 102, 155, 222, 262, 276, 277. Fundamentals of technique, tone production, methods, and materials pertaining to teaching violin, viola, cello and string bass in the public schools.		
255	STRING METHODS II	1 credits
Prerequisites: 102, 155, 222, 254, 262, 276, 277. Continuation of the fundamentals of technique, tone production, methods, and materials pertaining to teaching violin, viola, cello and string bass in the public schools.		
259	FRETBOARD HARMONY	2 credits
Prerequisite: 261 or permission of instructor. Essentials of basic theory and harmony as applied to the guitar fretboard: accompaniment, improvisation, transposition, modulation, figures bass, sight reading.		
261	KEYBOARD HARMONY I	2 credits
Sequential. Prerequisites: 105 or equivalency and 122. Essentials of basic theory and harmony practically applied at keyboard; accompaniment, improvisation, transposition, modulation and sight-reading.		
262	KEYBOARD HARMONY II	2 credits
Sequential. Prerequisites: 105 or equivalency and 122. Essentials of basic theory and harmony practically applied at keyboard; accompaniment, improvisation, transposition, modulation and sight-reading.		
265	DICTION FOR SINGERS I	2 credits

Sequential. Prerequisite: permission. Study of diction of the four most used languages (Italian, German, French and English) in vocal performance and international phonetic alphabet. Designed for student who expects to function as vocal performers and/or choral and studio voice teachers.

266 DICTION FOR SINGERS II 2 credits

Sequential. Prerequisite: permission. Study of diction of the four most used languages (Italian, German, French and English) in vocal performance and international phonetic alphabet. Designed for student who expects to function as vocal performers and/or choral and studio voice teachers.

268 GRP VOCAL TECH-CHORAL MUSIC ED 2 credits

Prerequisites: 7510:120 or 121, 7520:124. Corequisite: 265. Foundational concepts of group vocal techniques. Designed for choral educators to learn physiology of the voice, basics of vocal production, and applications for the Pre-K-12 choral classroom.

271 PIANO PEDAGOGY & LITERATURE I 2 credits

Prerequisite: permission of instructor. Examination of musical content and pedagogical orientation of beginning piano material to include appropriate teaching works, methods and ensemble pieces from a variety of historical periods.

272 PIANO PEDAGOGY & LITERATURE II 2 credits

Prerequisite: 7520:125 or permission of the instructor. A survey of piano literature at all levels of difficulty, with practical emphasis on its use for teaching.

276 TRUMPET & FRENCH HORN METHODS 1 credits

Prerequisite: 102. A comprehensive approach to the performance and pedagogy of the trumpet and French horn for the instrumental music education major in preparation for teaching music.

277 CLARINET & SAXOPHONE METHODS 1 credits

Prerequisite: 276. A comprehensive approach to the performance and pedagogy of the clarinet and saxophone for the instrumental music education major in preparation for teaching music.

289 MUSIC EDUCATION DEPARTMENT JURY 0 credits

Prerequisites: minimum 2.5 accum, C or higher in all freshman/sophomore music education coursework, and minimum 200 jury level. Sophomore exam for music education majors.

298 TECHNOLOGIES OF MUSIC EDUC 2 credits

Introductory hands-on experiences with a wide range of technology applications and strategies to integrate technology into the music curriculum.

305 MARCHING BAND: ORGANIZ & TECH 1-2 credits

Prerequisite: 289, two semesters 7510:126. A discussion of the marching band. Students learn to write complete half-time show, administer marching band program. Required for instrumental music education majors.

307 TECHN JAZZ ENSMBL PERFOR & DIR 1-2 credits

Prerequisite: 102, 155, 222, 262, 276, 277, 305; permission of instructor. Basic experiences relating to conducting, rehearsal techniques, improvisation, performance, repertoire and other matters related to organization and direction of stage bands. Required for instrumental majors.

308 HISTORY & LITERATURE OF JAZZ 3 credits

Prerequisite: permission of instructor. Study of origins of jazz music, its development and influence on today's culture. Investigates evolution of musical instruments as they pertain to jazz music, the artists who perform on them, and their music through live and recorded listening experiences.

309 JAZZ KEYBOARD TECHNIQUES 2 credits

Prerequisite: 262. Study of and familiarization with basic jazz keyboard techniques as they relate to contemporary jazz harmony and theory.

310 JAZZ IMPROVISATION III 2 credits

Prerequisite: 211. Advanced study in the principles of jazz improvisation.

311 JAZZ IMPROVISATION IV 2 credits

Prerequisite: 310. Advanced study in the principles of jazz improvisation.

315 EQUITY & EXCELLENCE-MUSIC ED 3 credits

Prerequisite: 289. Inquiry-based seminars and service learning field experiences for the music education major to develop competence implementing equity and excellence in a culturally pluralistic society.

325 RESEARCH IN MUSIC 2 credits

Prerequisites: 155, 222, 262. Techniques of basic research methods; examination of selected music materials; field trips to specialized collections.

339 TEACHING GENERAL MUSIC I 2 credits

Prerequisites: 222, 262, 289. Methods and materials for teaching general music in pre-K to 12th grade classrooms.

340	TEACHING GENERAL MUSIC II	2 credits
Prerequisites: 289, 339. Advanced methods and materials for teaching general music with emphasis on Orff, Kodaly and Dalcroze methodologies.		
341	JR HIGH/MID SCH CHORAL METHODS	2 credits
Prerequisites: 289, 340. Methods and materials for teaching choral music at the JH/MS level. Develops competencies in literature selection, rehearsal techniques and assessment of the adolescent voice.		
344	SEC CHORAL MUSIC METH/MATERLS	2 credits
Prerequisites: 351, 361. Methods, techniques, and materials for teaching secondary choral music. Develops competencies in literature, selection, rehearsal techniques, and programming methodology.		
345	LOW BRASS METHODS	1 credits
Prerequisites: 222, 262, 277, 289. A comprehensive approach to the pedagogy and performance of the low brass for the instrumental music education major in preparation for teaching music.		
346	FLUTE & DOUBLE REED METHODS	1 credits
Prerequisites: 345, 340, 351. A comprehensive approach to the pedagogy and performance of the flute and double reeds for the instrumental music education major in preparation for teaching music.		
351	MUSIC HISTORY I	3 credits
Sequential. Prerequisites: 122, 155. Development of music from ancient to modern times; scores, recordings and live performances as illustrative material.		
352	MUSIC HISTORY II	3 credits
Sequential. Prerequisites: 122, 155. Development of music from ancient to modern times; scores, recordings and live performances as illustrative material.		
353	ELECTRONIC MUSIC	3 credits
Theory of electronically generated sound and practice of electronic music composition. Emphasis is on understanding digital and analog synthesizers in a MIDI recording studio.		
361	CONDUCTING	2 credits
Prerequisites: All Majors 155, 222, 262; Vocal?289, 351, or permission; Instrumental 254, 346, 352, 454 or permission. Study and practice of conducting techniques; patterns, fermatas, tempo and dynamic change, attacks and releases, score reading, aural skills. One hour lab required.		
363	INTERMED CONDUCTING: CHORAL	2 credits
Prerequisite: 361 or instructor permission. Introduction to choral conducting with emphasis on manual techniques, vocal skills, aural skills, and gaining conducting experience.		
366	SONG LITERATURE I	2 credits
Prerequisite: 222 or permission. Systematic study of French and German song literature presented chronologically. Includes study of stylistic compositional characteristics and repertoire of major composers of song literature.		
367	SONG LITERATURE II	2 credits
Prerequisite: 222 or permission. Systematic study of American, British and Italian song literature presented chronologically. Includes study of stylistic compositional characteristics and repertoire of major composers of song literature.		
368	GUITAR STYLES	2 credits
Prerequisite: 200 performance level or permission of instructor. Techniques involved in performing musical styles other than those in classical guitar. Included are plectrum styles such as bluegrass, country and rock, as well as flamenco, folk, popular and jazz.		
371	ANALYTICAL TECHNIQUES	2 credits
Prerequisite: 222. Techniques for analysis of musical score from all eras of Western music history, with major emphasis on works of Baroque, Classical and Romantic periods.		
372	POST-TONAL ANALYTIC TECHNIQUES	2 credits
Prerequisite: 222. Techniques for the analysis of musical scores from the 20th and 21st Centuries. Required of a composition major.		
407	JAZZ ARRANGING & SCORING	2 credits
Prerequisite: 454 and 309. Study of jazz instrumentation from small groups to large ensembles.		
415	TCH & LIT: BRASS INSTRUMENTS	2 credits
Prerequisite: permission of instructor. Research in current trends and issues in brass teaching techniques and appropriate literature.		
416	TCHG & LIT: WOODWIND INSTR	2 credits

Prerequisite: permission of instructor. Research in current trends and issues in woodwind teaching techniques and appropriate literature.

432 TCHG & LIT: PERCUSSION INSTRUM 2 credits

To train undergraduate and graduate percussion students in techniques of percussion education. Emphasis on research, literature, performance, and techniques from elementary through secondary levels.

442 INSTRUMENTAL METHODS 2 credits

Prerequisites 346, 352, 454, 254. Procedures for teaching instrumental music at all levels. Special emphasis will be placed on classroom management, recruitment, assessment, literature selection, scheduling, and rehearsal organization. Clinical and field experience.

443 INSTRUMENTAL PRACTICUM 2 credits

Prerequisite 442. Procedures for teaching instrumental music at all levels. Special emphasis will be placed on classroom management, recruitment, assessment, literature selection, scheduling, and rehearsal organization. Clinical and field experience.

451 INTRODUCTION TO MUSICOLOGY 2 credits

Prerequisite: 352. Comparative musicology; acoustics; psychology and physiology of music; aesthetics; theory of music theory; historical musicology.

453 MUSIC SOFTWARE SURVEY/USE 2 credits

Prerequisite: 122 or permission of instructor. A survey and evaluation of available software in the various forms of musical instruction. Students will design a course suitable for submission to a programmer.

454 ORCHESTRATION 2 credits

Prerequisite: 222. Theory of instrumentation ranging from small ensembles to full band and orchestras.

455 ADV CONDUCTING: INSTRUMENTAL 2 credits

Prerequisite: 361, 442 or permission. Baton techniques and problems relating to practice, reading and preparation of scores; organization of ensembles; programming; conducting large instrumental ensembles. One hour lab required.

456 ADVANCED CONDUCTING: CHORAL 2 credits

Prerequisite: 363. Conducting techniques to the choral ensemble, including leadership, error detection, tonal development, stylistic accuracy and analysis. One hour lab required.

457 SENIOR RECITAL 0 credits

Permission of applied instructor is required for this course, which is taken only during the semester of the Senior Recital.

458 PERCUSSION METHODS 1 credits

Prerequisites: 346, 352, acceptance into Music Education Program. A comprehensive approach to the pedagogy and performance of the percussion instruments for the instrumental education major in preparation for teaching music.

463 REPERTOIRE & PED: STRING INSTR 3 credits

Prerequisite: permission of instructor. Study in depth of the four bowed string instruments, their teaching and close relationship. Despite obvious difference in physical application of cello and bass from violin and viola, methods of bowing, sound production and coloring are closely related. Application of the instruments to solo, chamber and orchestral playing.

465 VOCAL PEDAGOGY 2 credits

Prerequisite: 300 or above with permission of instructor. In depth study of subjects dealing with teaching voice: physiology of the vocal instrument, principles governing vocal production and application of vocal pedagogy.

467 GUITAR PEDAGOGY 2 credits

Prerequisite: permission of instructor. A systematic analysis of prevailing schools of guitar pedagogy. Sound production physiology, method books and special problems in teaching addressed.

468 GUITAR ARRANGING 2 credits

Prerequisite: permission of instructor. After comparative analysis of selected examples, students make original solo guitar arrangements of works written for other solo instruments and ensembles.

469 HISTORY & LIT: GUITAR & LUTE 2 credits

Prerequisite: permission of instructor. Study of plucked, fretted, string instruments from the 14th Century to the present: construction, notation, literature and performance practices. Modern editions and recordings evaluated.

471 COUNTERPOINT 2 credits

Prerequisite: permission of instructor. Designed to give student of theory-composition necessary knowledge and skills for understanding contrapuntal practices and procedures; emphasis on 20th-Century techniques.

472 ADVANCED ORCHESTRATION 2 credits

Prerequisite: 454. Study of techniques of orchestral style as found in major works from classical orchestra of Haydn and Mozart through modern orchestra of Stravinsky, Bartok, Berg and Schoenberg.

490 W: MUSIC 1-3 credits

Prerequisite: permission of instructor. Investigation of topics not offered in regular curriculum. Graduate student must fulfill additional requirements.

492 STUDENT TEACHING COLLOQUIUM 1 credits

Prerequisite: restricted to students enrolled in Student Teaching in Music. For music education majors; certification, contracts, benefits, job market prospects and student teaching experience sharing.

497 INDP STUDY: MUSIC 1-2 credits

(May be repeated for a total of four credits) Prerequisites: senior standing and permission of department head. Music major only. Independent study under supervision of specially selected faculty members in subject area bearing on student's own goals.

498 SENIOR HONORS PROJECT: MUSIC 1-3 credits

(May be repeated for a total of six credits) Individually designed project demonstrating scholarship, analysis, advanced musicianship, research and/or creativity according to student interest. Restricted to University honors music student.

101	UNIV SYMPH: YOUTH ORCHESTRA	1 credits
This ensemble is designed for the post-secondary student who wishes to participate in a select group performing orchestral literature. By audition only.		
102	AKRON SYMPH: CHORUS	1 credits
Open to University and community members by audition. Prospective members should contact School of Music two weeks before semester begins. Performs with Akron Symphony Orchestra.		
103	UNIV SYMPH: ORCHESTRA	1 credits
Membership by audition. Organization devoted to study of orchestral literature. Full-length concerts as well as special University appearances. Major conducted ensemble.		
104	SYMPHONIC BAND	1 credits
Membership by audition. The University Symphonic Band is the most select band at the University and performs the most demanding and challenging music available. Major conducted ensemble.		
105	VOCAL CHORAL ENSEMBLE	1 credits
Membership open to those enrolled in applied voice study. Coaching and rehearsal of solo and ensemble literature for voices from operatic, oratorio and lieder repertoires.		
106	BRASS ENSEMBLE	1 credits
Membership by audition. Study and performance of literature for brass ensemble from all periods of music history. Frequent public concerts. For advanced brass players.		
107	STRING ENSEMBLE	1 credits
Membership by audition. In-depth study of performance of chamber music literature with special emphasis on string quartet and piano trio.		
108	OPERA/LYRIC THEATER WORKSHOP	1 credits
Membership by audition. Musical and dramatic group study of excerpts from operatic repertoire. Includes annual production of standard opera and/or contemporary chamber work with staging, costumes and scenery.		
109	PERCUSSION ENSEMBLE	1 credits
Membership by audition. Study and performance of literature for various percussion groups; develops skill in ensemble performance.		
110	WOODWIND ENSEMBLE	1 credits
Membership by audition. Study, reading, and performance of major orchestral and serenade repertoire for wind instruments.		
114	KEYBOARD ENSEMBLE	1 credits
In-depth study of ensemble playing. Eight semesters required for Keyboard majors, six semesters for Keyboard Mus. Ed. majors, and each semester for keyboard scholarship recipients.		
115	JAZZ ENSEMBLE	1 credits
Membership by audition. Provides experience in jazz ensemble performance. Student is assumed to have knowledge of rudiments of music and some experience in jazz performance.		
116	GUITAR ENSEMBLE	1 credits
Membership by audition. Provides experience in conducted ensemble performance for guitarists. Major conducted ensemble.		
118	SMALL ENSEMBLE-MIXED	1 credits
Chamber Ensemble, Baroque Ensemble and Contemporary Music Ensemble. Each is a group of diverse instruments which rehearses and performs a selected body of music.		
120	CONCERT CHOIR	1 credits
Membership by audition. Highly select mixed choir. Performs classical literature from all periods. Campus, regional, and tour performances. Major conducted ensemble for vocal majors.		
121	UNIVERSITY SINGERS	1 credits
Membership by audition. Mixed ensemble devoted to performance of a wide variety of choral literature from classical to popular. Major conducted ensemble for vocal majors.		
125	CONCERT BAND	1 credits
Membership by audition. This ensemble performs the finest literature available for concert bands today. Major conducted ensemble.		
126	MARCHING BAND	1 credits
Enrollment is open to all members of the University student body. This organization is noted for its high energy performances at University football games.		
127	BLUE & GOLD BRASS	1 credits

Membership by audition. The official band for Akron home men's basketball games.

128 UNIVERSITY BAND 1 credits

The University Band is open to all members of the University community and performs excellent standard band literature. Major conducted ensemble.

129 BLUE & GOLD BRASS II 1 credits

Membership by audition. The official band for Akron home ladies basketball games.

130 SUMMER CONCERT BAND 1 credits

University of Akron Summer Concert Band is open to all wind and percussion musicians, and performs the finest in band literature.

150 CHAMBER CHOIR 1 credits

Membership by audition. Premiere and flagship choral ensemble. Highest level of musicianship, vocal technique, and professionalism required. Performs classical literature of all periods and genres.

421 GUITAR CHAMBER MUSIC 1 credits

Prerequisite: Open to all upper class instrumentalists and vocalists. Guitarists must have taken Guitar Ensemble, 7510:116. Study, coaching, and performance of major works for guitar with other instruments or voice. Major conducted ensemble for guitar majors.

431 SUMMER DRUM CORPS EXPERIENCE 1 credits

Prerequisite: permission of instructor. Summer Drum Corps Experience provides one credit for participation in a Junior Level - Division I, II, or III Drum and Bugle Corps as part of the Drum Corps International Summer Music Games.

- 21 PERCUSSION 2-4 credits
Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.
- 22 CLASSICAL GUITAR 2-4 credits
Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.
- 23 HARP 2-4 credits
Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.
- 24 VOICE 2-4 credits
Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.
- 25 PIANO 2-4 credits
Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.
- 26 ORGAN 2-4 credits
Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.
- 27 VIOLIN 2-4 credits
Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.
- 28 VIOLA 2-4 credits
Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.
- 29 CELLO 2-4 credits
Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.
- 30 STRING BASS 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

31 TRUMPET OR CORNET 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

32 FRENCH HORN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

33 TROMBONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

34 BARITONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

35 TUBA 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

36 FLUTE OR PICCOLO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

37 OBOE OR ENGLISH HORN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

38 CLARINET OR BASS CLARINET 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

39 BASSOON OR CONTRABASSOON 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

40 SAXOPHONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

41 HARPSICHORD 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

42 COMPOSITION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

61 JAZZ PERCUSSION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

62 JAZZ GUITAR 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

63 JAZZ ELECTRIC BASS 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

64 JAZZ PIANO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

65 JAZZ TRUMPET 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

66 JAZZ TROMBONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

67 JAZZ SAXOPHONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

68 JAZZ COMPOSITION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

69 JAZZ VOCAL STYLES 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. Prerequisite: Permission of applied instructor. For students whose performance skills are not sufficient for placement at the 100 level or for elective credit in non-music programs. No credit toward any major in music. A fee is charged in addition to regular tuition.

121 PERCUSSION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

122 CLASSICAL GUITAR 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

123 HARP 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

124 VOICE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

125 PIANO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

126 ORGAN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

127 VIOLIN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

128 VIOLA 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

129 CELLO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

130 STRING BASS 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

131 TRUMPET OR CORNET 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

132 FRENCH HORN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

133 TROMBONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

134 BARITONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

135 TUBA 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

136 FLUTE OR PICCOLO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

137 OBOE OR ENGLISH HORN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

138 CLARINET OR BASS CLARINET 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

139 BASSOON OR CONTRABASSOON 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

140 SAXOPHONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

141 HARPSICHORD 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

142 COMPOSITION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level. (May be repeated) Prerequisites: 7500:252 and permission of instructor; 7500:452 recommended. Private instruction in composition. Primarily for student whose major is theory-composition.

161 JAZZ PERCUSSION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

162 JAZZ GUITAR 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

163 JAZZ ELECTRIC BASS 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

164 JAZZ PIANO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

165 JAZZ TRUMPET 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

166 JAZZ TROMBONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

167 JAZZ SAXOPHONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

168 JAZZ COMPOSITION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

169 JAZZ VOCAL STYLES 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

221 PERCUSSION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

222 CLASSICAL GUITAR 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

223 HARP 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

224 VOICE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

225 PIANO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

226 ORGAN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

227 VIOLIN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

228 VIOLA 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

229 CELLO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

237 OBOE OR ENGLISH HORN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

238 CLARINET OR BASS CLARINET 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

239 BASSOON OR CONTRABASSOON 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

240 SAXOPHONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

241 HARPSICHORD 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

242 COMPOSITION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level. (May be repeated) Prerequisites: 7500:252 and permission of instructor; 7500:452 recommended. Private instruction in composition. Primarily for student whose major is theory-composition.

261 JAZZ PERCUSSION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

269 JAZZ VOCAL STYLES 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

321 PERCUSSION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

322 CLASSICAL GUITAR 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

323 HARP 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

324 VOICE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

325 PIANO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

326 ORGAN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

327 VIOLIN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

328 VIOLA 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

329 CELLO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

330 STRING BASS 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

331 TRUMPET OR CORNET 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

332 FRENCH HORN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

333 TROMBONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

334 BARITONE

2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

335 TUBA

2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

336 FLUTE OR PICCOLO

2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

337 OBOE OR ENGLISH HORN

2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

338 CLARINET OR BASS CLARINET

2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

339 BASSOON OR CONTRABASSOON

2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

340 SAXOPHONE

2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

341 HARPSICHORD 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

342 COMPOSITION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level. (May be repeated) Prerequisites: 7500:252 and permission of instructor; 7500:452 recommended. Private instruction in composition. Primarily for student whose major is theory-composition.

361 JAZZ PERCUSSION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

362 JAZZ GUITAR 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

363 JAZZ ELECTRIC BASS 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

364 JAZZ PIANO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

365 JAZZ TRUMPET 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

366 JAZZ TROMBONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

367 JAZZ SAXOPHONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

368 JAZZ COMPOSITION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

369 JAZZ VOCAL STYLES 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

421 PERCUSSION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

422 CLASSICAL GUITAR 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

423 HARP 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

424 VOICE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

425 PIANO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

426 ORGAN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

427 VIOLIN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

428 VIOLA 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

429 CELLO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

430 STRING BASS 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

431 TRUMPET OR CORNET 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

432 FRENCH HORN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

433 TROMBONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

434 BARITONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

435 TUBA 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

436 FLUTE OR PICCOLO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

437 OBOE OR ENGLISH HORN 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

438 CLARINET OR BASS CLARINET 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

439 BASSOON OR CONTRABASSOON 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

440 SAXOPHONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

441 HARPSICHORD 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

442 COMPOSITION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level. (May be repeated) Prerequisites: 7500:252 and permission of instructor; 7500:452 recommended. Private instruction in composition. Primarily for student whose major is theory-composition.

461 JAZZ PERCUSSION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

462 JAZZ GUITAR 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

463 JAZZ ELECTRIC BASS 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

464 JAZZ PIANO 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

465 JAZZ TRUMPET 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

466 JAZZ TROMBONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

467 JAZZ SAXOPHONE 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

468 JAZZ COMPOSITION 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

469 JAZZ VOCAL STYLES 2-4 credits

Prerequisite: Placement audition in the School of Music. Individual instruction in vocal or instrumental performance. Two credits represent one half-hour lesson per week; four credits represent an hour lesson. Enrollment may be repeated each semester for credit. A fee is charged in addition to regular tuition. The following courses are intended for a student majoring in one of the programs in the School of Music. Course levels correspond approximately to class standing (100 for freshman, 200 for sophomore, etc.) A student may progress up one level by successfully completing an applied music jury, usually offered in the spring semester. NOTE: No more than eight credits at the 100, 200 or 300 level may apply in music degree programs; no such limit exists for the 400 level.

101	INTRODUCTION TO COMMUNICATION	3 credits
	Survey of the field of communication. Topics will focus on the history, as well as the theories, constructs, and career opportunities of all sub disciplines.	
105	INTRODUCTN TO PUBLIC SPEAKING	3 credits
	Introduction to principles and practice of speaking by reading examples of speeches, studying techniques and methods employed and applying them in a variety of speaking situations.	
106	EFFECTIVE ORAL COMMUNICATION	3 credits
	Principles of communication in speaker-audience, group and informal settings, and application of the principles in speeches, group discussions and other oral and written assignments.	
209	PRINCIPLES OF SOCIAL MEDIA	3 credits
	This course provides students with a thorough understanding of social media as it relates to the tools, history, theories, ethics and practice of communication.	
210	MULTIPLATFORM PRODUCTION	3 credits
	A basic introduction to theory and practice of single camera, photography, graphic and web production.	
219	INTRO TO PUBLIC RELATIONS	3 credits
	Introduction to public relations is a survey course that provides students with foundational information related to the study and practice of public relations.	
226	INTERVIEWING	3 credits
	Study and practical application of selected interviewing concepts associated with job interviewing, journalistic interviewing, and life review interviewing.	
227	NON-VERBAL COMMUNICATION	3 credits
	Focused study of the principal aspects of nonverbal communication in public, group and interpersonal settings.	
228	ZTV	1 credits
	Participation in the operations of the University television station. *Total repeats not to exceed eight credits. (Note: Students being paid salaries from Student Activity Funds are not eligible for credit.)	
230	WZIP-FM	1 credits
	Participation in the operations of the University radio station. *Total repeats not to exceed eight credits. (Note: Students being paid salaries from Student Activity Funds are not eligible for credit.)	
231	FORENSICS	1 credits
	Participation in the operations of the University forensics team. *Total repeats not to exceed eight credits. (Note: Students being paid salaries from Student Activity Funds are not eligible for credit.)	
232	BUCHTELITE	1 credits
	Participation in the operations of the University newspaper. *Total repeats not to exceed eight credits. (Note: Students being paid salaries from Student Activity Funds are not eligible for credit.)	
233	TEL-BUCH	1 credits
	Participation in the operations of the University year book. *Total repeats not to exceed eight credits. (Note: Students being paid salaries from Student Activity Funds are not eligible for credit.)	
235	INTERPERSONAL COMMUNICATION	3 credits
	Theory and practice in interpersonal communication concepts and principles. Special topics in communication apprehension, assertive communication, communication dyads and triads, and transactional communication.	
245	ARGUMENTATION	3 credits
	Study of process of developing, presenting and defending inferences and arguments in oral communication setting. Includes study and practice of evidence, reasoning, case construction, refutation and rebuttal.	
252	PERSUASION	3 credits
	Emphasis on understanding persuasion theory and practice. Includes information analysis of motivational appeals and introduction to propoganda analysis.	
260	THEORIES OF RHETORIC	3 credits
	Prerequisite: 7600:101. Theories of Rhetoric exposes students to 2,000 years of thought on rhetoric and meaning. Students explore the relationship between knowledge, truth and rhetoric.	
274	INTRO TO THE MEDIA INDUSTRIES	3 credits
	An introduction to the media industries concentrating on industry structure and business models with a particular emphasis on media convergence and distribution.	
284	LEGAL ISSUES IN MEDIA	3 credits

Concentration on government regulations and legal requirements in production of broadcasting, film, and print media. Particular emphasis on copyright.

300 NEWSWRITING ACROSS THE MEDIA 3 credits

Prerequisite: completion of General Education English Composition Requirement with a grade of C or better or permission. Concentration on what constitutes news, legal and ethical aspects of what to print/broadcast and writing news stories for print and broadcast media.

301 ADVANCED NEWSWRITING 3 credits

Prerequisite: Admitted to a four year degree granting college except Summit, 300. Advanced course in writing and editing news, features and analysis for print media. Behavioral approach to communication of information and ideas.

303 PUBLIC RELATIONS WRITING 3 credits

Prerequisite or Corequisite: 7600:219. Introduction of writing skills required by public relations practitioners emphasizing different approaches for specific publics and specific media.

304 INFORMATION GATHERING/EDITING 3 credits

Prerequisite: Ability to type. Editing stories and photographs and writing headlines for print and online. Gathering information from primary and secondary sources.

305 COMMUNICATION THEORY 3 credits

Prerequisite: 7600:101. Examination of the theoretical foundations of the communication discipline. Historical roots, major theory building perspectives and a review of contemporary theories and applications in communication contexts.

309 PUBLIC RELATIONS PUBLICATION 3 credits

Preparation of publications used as communication tools in public relations, advertising and organizations. Emphasis upon design, layout and technology.

317 TOPICS IN MEDIA PRODUCTION 3 credits

Variable topics in media production including audio, video, digital. Repeatable with a change in topic, maximum 9 credits.

325 INTERCULTURAL COMMUNICATION 3 credits

Study of effect on oral communication process of existence of cultural barriers. Includes study of verbal and nonverbal communication in transracial, informal international and diplomatic communicative settings.

344 SMALL GROUP COMMUNICATION 3 credits

Prerequisite: Junior level or a better standing. This course explores the dynamics of small group communication. Students will learn how to become effective members of groups by practicing course concepts and theories in assignments.

345 ADV PRESENTATIONAL COMMUNICATI 3 credits

Prerequisite: 7600:105 or 106 and 245. Continued development of audience analysis, research, style, and delivery to improve oral communication skills for a variety of civic and organizational purposes.

355 FREEDOM OF SPEECH 3 credits

Prerequisite: Admitted to a four year degree granting college except CAST. Discussion and analysis of the Constitution's free speech guarantee; contemporary issues in freedom of communication; role of the media in free speech issues.

356 RHETORICAL CRITICISM 3 credits

Prerequisite: 7600:260. Identifies principal textual and contextual elements of public discourse and presents various theories and models to be applied in studying rhetorical acts.

368 BASIC AUDIO & VIDEO EDITING 3 credits

Prerequisite: Admitted to a four year degree granting college except Summit. A basic practical introduction to audio and video editing and the Avid Editing system in the MediaNet environment.

372 VIDEO PRODUCTION 3 credits

Prerequisite or Co-requisite: 7600:368. Theory and practice of digital video; development of professional skills in lighting, use of lenses, visual composition and sound recording for Single Camera applications

378 T: MEDIA HISTORY 3 credits

Prerequisite: Admitted to a four year degree granting college, except for CAST. In-depth study of topics in media history and genre. Repeatable with a change in topic (9 credits maximum).

384 COMMUNICATION RESEARCH 3 credits

Prerequisites: 7600:101 (with a grade of C or better); completion of General Education Math Requirement. Fundamental concepts of communication research methods, and the analysis, application, and interpretation of data in communication and media operations.

398 HONORS PROJECT PREPARATORY 1 credits

Prerequisite: junior standing, honors students only. This course prepares honors students to begin work on their senior honors project. Students will learn how to do background research, literature reviews, work with human subjects, and School of Communication requirements. At the end of the semester, students will have their proposal ready for submission to the Honors College.

404 PUBLIC RELATIONS CASES 3 credits

Prerequisite or corequisite: 7600:219. Application of principles of public relations profession in an actual organizational setting.

405 MEDIA COPYWRITING 3 credits

Prerequisite: 309. Selected communication theories and research techniques used to plan, write and analyze commercial messages. Emphasis will be placed on selection of audience, medium, appeal, writing style and evaluation of efforts.

406 ADV. PUBLIC RELATIONS THEORY 3 credits

Prerequisite: 7600:219. Study and practical application of communication concepts, theories and skills relevant to public relations programs in businesses and nonprofit organizations.

408 WOMEN, MINORITIES & NEWS 3 credits

Prerequisite: Admitted to a four year degree granting college except Summit, 300. From a professional journalism perspective, this course provides historical analysis of diversity in the newsroom and the news. Students produce new content that addresses diversity.

409 PUB REL STRATEGIC CAMPAIGNS 3 credits

Prerequisite: 7600:219. This course allows students to apply knowledge of public relations practice, history, theories, ethics and strategic planning to create real-world public relations campaigns.

429 ADV STRATEGIC SOCIAL MEDIA 3 credits

Prerequisite: 7600:209 or 7600:219. Students will learn and apply knowledge of professional social media including theories, ethics, policy, and best practices to solve real-world social media problems.

435 ORGANIZATIONAL COMMUNICATION 3 credits

Prerequisites: 7600:101. Overview of theories and approaches for understanding communication flow and practices in organizations, including interdepartmental, networks, superior-subordinate, formal and informal communication.

436 ANALYZING ORGANIZ COMMUNICA 3 credits

Prerequisites: 384 and 435, or permission. Methodology for in-depth analysis and application of communication in organizations; team building; conflict management, communication flow. Individual and group projects; simulations.

437 TRAINING METHODS-COMMUNICATION 3 credits

Prerequisites: 345 or permission. Principles and concepts in the design and delivery of communication training programs; integration of theory and methodology; presentation skills; matching methods and learner needs.

438 HEALTH COMMUNICATION 3 credits

Prerequisite: Admitted to a four year degree granting college except Summit. The course presents an overview of health communication theory and research issues in interpersonal, small group, organizational, public relations, and mass media contexts.

439 INDP STUDY: COMMUNICATION 1-12 credits

(May be repeated for a total of 12 credits) Prerequisites: Admitted to a four year degree granting college except Summit, permission of faculty. Directed independent readings, research, projects and productions. Written proposal must be submitted before permission is granted. Appropriate documentation of work required.

444 COMMUNICATION & CONFLICT 3 credits

Prerequisite: 7600:101 or permission. Explores roles of communication & conflict in personal and work relationships. Emphasis placed on application of theories and strategies for conflict resolution from a communication perspective.

450 ST: COMMUNICATION 3 credits

(May be repeated for a total of nine credits) Special interest topics in mass communication, journalism, or communication, supplementing courses listed in University Bulletin. See department for current listing of offerings.

457 RHETORIC CONTEMPORARY CULTURE 3 credits

Prerequisite: 7600:260 & 7600:356. Rhetoric in Contemporary Culture serves as an advanced course in rhetorical criticism. Students apply critical methods to contemporary issues surrounding political, popular, and vernacular discourses.

459 LEADERSHIP & COMMUNICATION 3 credits

Prerequisite: Admitted to a four year degree granting college except Summit. Theories of leadership and communication across public, organizational, small group, interpersonal, and political contexts. Assessments tools provided. Guest speakers.

468 ADVANCED AUDIO & VIDEO EDITING 3 credits

Prerequisite: 7600:368. A study of film and video editing. It provides practical experience and exposure to the various creative approaches and techniques of film / video editing.

474 MEDIA THEORY 3 credits

Prerequisites: 101. A review of mass communication theories and their applications in addressing major issues relevant to media content, media audience and media effects.

475 POLITICAL COMMUNICATION 3 credits

Students explore the relationship between politicians, citizens, and media. Topics include media coverage, campaign technologies, advertising, debates, engagement, rhetoric, and attitudes. Theories and methodologies discussed

480 COMMUNICATION INTERNSHIP 3-6 credits

Prerequisites: 24 credits in Communication, 3.0 GPA in Communication and permission. Supervised experience and on-the-job training. Written permission prior to the semester enrolled is necessary. Repeatable up to a maximum 6 credits.

481 FILM AS ART: INTR TO FILM FORM 3 credits

A study of the role and function of Cinematography, Editing, Sound, and Mise-en-scene as they shape the meaning of the film, within the context of the traditional / non-traditional narratives and the documentary structure.

485 HONORS PROJ: COMMUNICATION 3 credits

Prerequisites: 398, approval of honors preceptor. Independent study project leading to completion of honors research, creative or service project.

486 MEDIA MANAGEMENT & LEADERSHIP 3 credits

Prerequisite: 384 An intensive overview of media management and leadership principles and applications of these principles in addressing issues related to entrepreneurship, ethics, globalization and media convergence.

487 ADV TOPICS IN MEDIA WRITING 3 credits

Prerequisite: 7600:300. Advanced study in media writing. Topics include: script writing, broadcast newswriting, new media writing, etc. Repeatable with a change in topic, maximum 9 credit hours.

490 W: COMMUNICATION 1-3 credits

(May be repeated for a total of six credits) Prerequisite: Admitted to a four year degree granting college except Summit.

Group study or group projects investigating a particular phase of media not covered by other courses in curriculum.

499 CAPSTONE IN COMMUNICATION 3 credits

Prerequisites: 7600: 101,384 and Senior Standing. Capstone in communication integrates theories, concepts, and skills: provides interdisciplinary work, and applied focus; and culminates in a project, paper, or production. Topics vary.

100	EXPERIENCING THEATRE	3 credits
	Experience the theatre as a live, dynamic art form through an exposure to and participation in University productions.	
103	THEATRE ORIENTATION	0 credits
	Orientation to the information and strategies necessary to aid new theatre students in their understanding of the field of theatre.	
108	INTRO: VIS ARTS WORLD THEATRE	3 credits
	Introduction to the theories and styles of scenic, costume, and lighting design from around the world, including the application of these principles to various media.	
145	ENSEMBLE THEATRE LAB	3 credits
	An introduction to the techniques of collaborative creation and physical theatre especially space awareness, movement training, and storytelling.	
151	VOCAL DYNAMICS	3 credits
	This course is concerned with the various techniques and principles of vocal production in their practical application providing a structure to discover your vocal potential.	
172	ACTING I	3 credits
	Introductory fundamentals of acting through the investigation of the body as an instrument for the stage, improvisation and basic scene study.	
264	PLAYSCRIPT & PERFORM ANALYSIS	3 credits
	An introduction to various methods of how to read and analyze a play script for theatre production, utilizing theories and tools from Aristotle to today.	
265	BASIC STAGECRAFT	3 credits
	Basic stagecraft including equipment, construction and handling of two-dimensional scenery and theatrical hardware. Laboratory required.	
274	DIGITAL TECHNOLOGY FOR THEATRE	3 credits
	Hands-on exploration of theories and methods used in electronic development of promotional and creative materials. Activities include still and motion image capture, editing and distribution.	
301	INTRO TO THEATRE THROUGH FILM	3 credits
	Prerequisite: 3400:210 or 3400:221. A study of the Theatre with emphasis on its cultural and social influences on our society. Does not meet the Humanities requirement for Theatre majors.	
306	COSTUME DESIGN FOR PERF ARTS	3 credits
	Prerequisites: 7800:108. Costume design and construction techniques, organization and maintenance of wardrobe for stage performance and other types of production. Lab required.	
335	HIST OF THTR & DRAMA LIT I	3 credits
	Prerequisite: 100. The history and theory of dramatic literature and theatre practices from the Greeks through the Restoration, including select non-western theatre traditions.	
336	SCENIC DESIGN PER ARTS & MEDIA	3 credits
	Prerequisites: 7800:108. The theory, principles, and practice of scene design for the theatre and other media. Lab required.	
351	ADVANCED ENSEMBLE THEATRE LAB	3 credits
	Prerequisites: 7800:145. Advanced training in the techniques and principles of collaborative creation and physical theatre leading toward performance of a devised solo and/or group performance.	
355	LIGHTING DESIGN AND TECHNOLOGY	3 credits
	Prerequisites: 7800:108 The art and technique of lighting design for the stage and other media: light plotting, color theory, and special effects. Lab required.	
370	DIRECTING I	3 credits
	Prerequisites: 100, 172, 264. Emphasizes fundamentals of play directing, including responsibilities of director, stage nomenclature, play selection, analysis, and rehearsal techniques.	
373	ACTING II	3 credits
	Prerequisite: 172. Continuation of 172. Further emphasis on the psychology of the actor and development of performing techniques through scene study.	
374	ACTING III	3 credits
	Prerequisite: 373. Further in-depth actor training with emphasis on the language and interpretation of classic plays including Shakespeare.	
403	ST: THEATRE ARTS	1-3 credits

Prerequisite: permission. Traditional and nontraditional topics in theatre arts. (May be repeated, only 3 credits may apply to Theatre major and on 9 credits toward B.A degree).

433 THEATRE ORG & PROD MGMT 3 credits
 Study of successful methods of theatre organization and production stage management of professional and non-professional performing arts operations.

435 HIST OF THTR & DRAMA LIT II 3 credits
 Prerequisite: 335. The history and theory of dramatic literature and theatre practices from the eighteenth century through the present, including select non-western theatre traditions.

436 STYLES OF SCENIC DESIGN PER AR 3 credits
 Prerequisite: 7800:336. Theatrical and practical exploration of the styles and periods of production design and designers for stage and media. Lab required.

455 CREATING PERFORMANCE 3 credits
 (May be repeated for a total of six credits.) This course introduces devising processes, improvisation, ensemble work, and physical theatre techniques appropriate to the preparation of practical performance projects from sources other than a conventional play.

461 DIRECTING II 3 credits
 Prerequisite: 370. Emphasizes fundamentals of play directing, including responsibilities of director, stage nomenclature, play selection, analysis, and rehearsal techniques.

467 MULTI-CULTURAL THEATRE 3 credits
 A detailed examination of contemporary performances, performance texts, and theoretical writings that reference the history and experience of diverse communities of America and the world.

471 SENIOR SEMINAR 1 credits
 Prerequisites: 7800:274, upper class standing, and permission from the theatre advisor. A forum to develop professional skills to make the transition to a theatre career: artistic, academic, business and professional.

476 THEATRE AND COMMUNITY ACTION 3 credits
 This course will explore civic engagement strategies and situations linking theatre and community in which students tackle community issues and concerns utilizing various performative techniques.

480 INDP STUDY: THEATRE 1-3 credits
 Practice, study, and/or research in selected elements of theatre arts and production including preparation and presentation of creative and technological projects..

490 W: THEATRE ARTS 1-3 credits
 (May be repeated for a total of 6 credits) Prerequisite: advanced standing or permission. Group study or group projects investigating particular phases of theatre arts not covered by other courses in curriculum.

495 HONORS RESEARCH PROJ: THEATRE 1-3 credits
 Prerequisites: Approval of department preceptor. Creative project or research supervised by theatre preceptor.

100	PROD LAB-DESIGN/TECHNOLOGY	1 credits
Prerequisite: permission of instructor. (May be repeated for a total of 12 credits) Provides student with practical experience in technical aspects of theatre. *Required of all theatre majors. Majors are required to enroll in at least one credit production lab every semester they are in residence.		
110	PERFORMANCE LAB	1 credits
(May be repeated for a total of 12 credits) Prerequisites: permission of instructor. Provides student with practical performance experience theatre productions. *Required of all theatre majors.		
200	PROD LAB-DESIGN/TECHNOLOGY	1 credits
Prerequisite: permission of instructor. (May be repeated for a total of 12 credits) Provides student with practical experience in technical aspects of theatre. *Required of all theatre majors. Majors are required to enroll in at least one credit production lab every semester they are in residence.		
210	PERFORMANCE LABORATORY	1 credits
(May be repeated for a total of 12 credits) Prerequisites: permission of instructor. Provides student with practical performance experience in theatre productions. *Required of all theatre majors.		
300	PROD LAB-DESIGN/TECHNOLOGY	1 credits
Prerequisite: permission of instructor. (May be repeated for a total of 12 credits) Provides student with practical experience in technical aspects of theatre. *Required of all theatre majors. Majors are required to enroll in at least one credit production lab every semester they are in residence.		
310	PERFORMANCE LABORATORY	1 credits
(May be repeated for a total of 12 credits) Prerequisites: permission of instructor. Provides student with practical performance experience in theatre productions. *Required of all theatre majors.		
400	PROD LAB-DESIGN/TECHNOLOGY	1 credits
Prerequisite: permission of instructor. (May be repeated for a total of 12 credits) Provides student with practical experience in technical aspects of theatre. *Required of all theatre majors. Majors are required to enroll in at least one credit production lab every semester they are in residence.		
410	PERFORMANCE LABORATORY	1 credits
(May be repeated for a total of 12 credits) Prerequisite: permission of instructor. Provides student with practical performance experience in theatre productions. *Required of all theatre majors.		

101	DANCE SOMATICS: YOGA	1 credits
	Prerequisite: 7900:120 or 125, or 219 or 220 or 224 or 225 or 7920:122 or 222 or 228 or 229 or 322 or 328 or 329 or 422 Exploration of alternative movement disciplines aimed at increasing body-mind awareness and dancer health. Must be taken by dance majors in first two years of study.	
102	DANCE SOMATICS: PILATES	1 credits
	Prerequisite: 7900:120 or 122 or 125 or 219 or 220 or 222 or 224 or 225 or 228 or 229 or 322 or 328 or 329 or 422. Exploration of alternative movement disciplines aimed at increasing body-mind awareness and dancer health. Must be taken by dance majors in first two years of study.	
103	ORIENTATION FOR DANCE	0 credits
	Orientation to the dance program and field. Must be taken by all dance majors in their first semester of study. Dance Orientation is a degree requirement and is offered on a credit/noncredit basis.	
104	DANCE SOMATICS: GYROKINESIS	1 credits
	Prerequisite: 7900:120 or 122 or 125 or 219 or 220 or 222 or 224 or 225 or 228 or 229 or 322 or 328 or 329 or 422. Exploration of alternative movement disciplines aimed at increasing body-mind awareness and dancer health. Must be taken by dance majors in first two years of study.	
105	DANCE SOMATICS: ALEXANDER TECH	1 credits
	Prerequisite: 7900:120 or 122 or 125 or 219 or 220 or 222 or 224 or 225 or 228 or 229 or 322 or 328 or 329 or 422. Exploration of alternative movement disciplines aimed at increasing body-mind awareness and dancer health. Must be taken by dance majors in first two years of study.	
111	T: WORLD DANCE	1 credits
	May be repeated for a total of six credits. Prerequisite: 7900:120 or 7900:125, or higher levels of ballet or modern dance technique. Exploration of various dance genres from world and historical traditions.	
115	DANCE AS AN ART FORM	2 credits
	Survey of dance for novice observer: aesthetics, philosophies, methods of training. Lecture and discussion of readings, viewing of film, videotape and live performances.	
116	PHYSICAL ANALYSIS FOR DANCE I	2 credits
	Prerequisites: 3100:200, 201; 7400:133. Required for all dance majors. Recommended to be taken in the first two years. Lecture/laboratory. Skeletal and muscular analysis for dance technique.	
117	PHYSICAL ANALYSIS FOR DNCE II	2 credits
	Prerequisite: 116. Support systems, conditioning injury prevention, rehabilitation, nutrition for dancers.	
119	MODERN I	2 credits
	(May be repeated for a total of four credits) Exploring the basic principles of modern dance with an emphasis on body alignment and muscular awareness.	
120	MODERN II	2 credits
	Prerequisite: permission or grade of B or better for one semester in 7900:119. (May be repeated for a total of four credits) Continuation of 119. Increasing movement vocabulary, muscular strength and coordination of modern dance.	
122	BALLET V	4 credits
	(May be repeated for a total of 16 credits) Prerequisite: permission or a grade of B+ or better for one semester in 7900:225. Theory, vocabulary, structure, placement. Concurrent enrollment in pointe class recommended.	
124	BALLET I	2 credits
	(May be repeated for a total of four credits) Emphasis on body placement, muscular awareness.	
125	BALLET II	2 credits
	Prerequisite: permission or grade of B or better for one semester of 7900:124. (May be repeated for a total of four credits) Continuation of 124. Basic exercises of classical ballet.	
130	JAZZ DANCE I	2 credits
	(May be repeated for a total of four credits.) Basic jazz dance technique and jazz dance origins.	
141	POINTE I	2 credits
	(May be repeated for a total of eight credits) Prerequisite: permission or 122 or above. Corequisite: 122 or above. Reinforcement of selection principles for pointe shoes, proper holding of foot muscularly and control of heel while ascending and descending from pointe.	
144	TAP DANCE I	2 credits
	(May be repeated for a total of four credits.) Basic tap dance technique and terminology.	
145	TAP DANCE II	2 credits
	(May be repeated for a total of four credits.) Prerequisite: permission or a grade of B or better for one semester in 7900:144 Tap I. Refinement of tap technique and stylistic range of tap dance.	

150	BALLROOM DANCE I	1 credits
(May be repeated for a total of four credits.) Introduction to the basic patterns and techniques of major ballroom dances.		
200	VIEWING DANCE	3 credits
Prerequisite: 3400:210 or 3400:221. To explore dance as an art form through experiential activities, dance literature, film and live performance for non-dance majors.		
219	MODERN III	2 credits
(May be repeated for a total of 4 credits.) Prerequisite: permission or a grade of B or better for one semester in 7900:120 Modern II. Continuation of 120. Introduction to current modern dance styles and technique.		
220	MODERN IV	2 credits
(May be repeated for a total of 4 credits.) Prerequisite: permission or a grade of B or better for one semester in 7900:219 Modern III. Continuation of 219. Application of basic modern dance theory of current modern dance styles and techniques.		
222	BALLET VI	4 credits
(May be repeated for a total of 16 credits) Prerequisite: permission or a grade of B+ or better for one semester in 7920:122. Continuation of 122, expanding theory on vocabulary, structure, placement. Concurrent enrollment in pointe class recommended.		
224	BALLET III	3 credits
(May be repeated for a total of 6 credits.) Prerequisite: permission or a grade of B or better for one semester in 7900:125 Ballet II. Continuation of 125. Emphasis on barre and developing strength.		
225	BALLET IV	3 credits
Prerequisite: Permission or grade of B or better for one semester in 7900:224. Continuation of 224. Emphasis on the increase of strength and flexibility. (May be repeated for a total of twelve credits)		
228	MODERN V	3 credits
(May be repeated for a total of 6 credits.) Prerequisite: Permission or a grade of B or better for one semester in 7900:220 Modern IV. The intermediate study of modern dance styles and technique through the application of more complex movement theories, rhythmic patterns, and improvisational studies.		
229	MODERN VI	3 credits
(May be repeated for a total of 6 credits.) Prerequisite: permission or a grade of B or better for one semester in 7920:228 Modern V. Introduction to intermediate theory of current modern dance styles and techniques.		
230	JAZZ DANCE II	2 credits
(May be repeated for a total of 4 credits.) Prerequisite: permission or a grade of B or better in 7900:130 Jazz I. Continuation of basic jazz technique and stylistic range of jazz dance.		
241	POINTE II	2 credits
(May be repeated for a total of 12 credits) Prerequisite: permission or a grade of B or better for one semester in 7920:141. Corequisite: 7920:222 or above. Continuation of 141. Continued development of strength, coordination and endurance of holding foot muscularly. Further development and emphasis on principles of weight transfer.		
246	TAP DANCE III	2 credits
(May be repeated for a total of 4 credits.) Prerequisite: permission or a grade of B or better for one semester in 7900:145 Tap II. Advancement of tap dance technique through the use of complex combinations, syncopation, routines, and styles.		
274	DIGITAL TECHNOLOGY FOR DANCE	3 credits
Hands-on exploration of theories and methods used in electronic development of promotional and creative materials. Activities include still and motion image capture, editing, and distribution.		
316	CHOREOGRAPHY I	2 credits
Prerequisite: Permission or 7900:220 Modern IV or above. Theoretical and practical introduction to principles of choreography: space, time, energy.		
317	CHOREOGRAPHY II	2 credits
Prerequisite: 316 or permission. Continuation of 316. Emphasis on musical choices and finding movement specific to the individual choreographer.		
320	MOVEMENT FUNDAMENTALS	2 credits
Beginning study of Labanotation method of recording movement, and Laban's theories of effort, space, and shape.		
321	RHYTHMIC ANALYSIS - DANCE	2 credits
Prerequisites: 32 credits and 7900:120 or 7900:125, or higher levels of ballet or modern dance technique, or permission. Lecture and application of basic rhythmic structures used in dance and dance instruction.		
322	BALLET VII	4 credits

(May be repeated for a total of 24 credits.) Prerequisite: Permission or a grade of B+ or better for one semester in 7900:222 Ballet VI. Continuation of 222. Emphasis on technique, style, line. Concurrent enrollment in point class is recommended.		
328	MODERN VII	3 credits
(May be repeated for a total of 12 credits.) Prerequisite: permission or a grade of B or better in 7900:229 Modern VI. Refinement and stylization of modern techniques for performance of modern dance.		
329	MODERN VIII	3 credits
(May be repeated for a total of 12 credits.) Prerequisite: permission or a grade of B or better in 7920:328 Modern VII. Application of advanced modern dance techniques and styles.		
333	PARTNERING	2 credits
Prerequisite: 7920:122 or 222 or 322 or 422 and 7920:228 or 299 or 328 or 329 or permission. An exploration of the fundamentals of dance partnering: weight sharing, centering, safety via contact improvisation.		
334	PAS DE DEUX I	2 credits
(May be repeated for a total of eight credits) Prerequisites: permission; concurrent enrollment in a pointe class recommended. Provides student with the beginning understanding and practice of pas de deux.		
347	TAP DANCE IV	2 credits
(May be repeated for a total of 8 credits.) Prerequisite: Permission or a grade of B or better for one semester in 7920:246 Tap III. Advanced tap combinations, styles, routines.		
351	JAZZ DANCE III	2 credits
(May be repeated for a total of 4 credits.) Prerequisite: permission or a grade of B or better for one semester in 7900:230 Jazz II. Intermediate jazz dance technique and the jazz eras.		
361	LEARNING THEORY FOR DANCE	2 credits
Prerequisites: 7900:115, 224 (or higher levels of ballet technique); 3750:100 or 5100:220; or permission of instructor. Theories of learning and their use in teaching dance.		
362	INST STRATEGIES FOR DANCE	2 credits
Prerequisite: 361. Practical work and development of teaching skills in dance for public and private settings.		
403	ST: DANCE	1-4 credits
(May be repeated. No more than 10 credits may be applied toward the B.F.A. or B.A.) Prerequisite: Permission. Traditional and nontraditional topics in dance.		
416	CHOREOGRAPHY III	2 credits
Prerequisite: 317 or permission. Continuation of 317. Emphasis on form and choreographic analysis.		
417	CHOREOGRAPHY IV	2 credits
Prerequisite: 416 or permission. Continuation of 416. Expanding into group choreography and longer works.		
422	BALLET VIII	4 credits
(May be repeated for a total of 32 credits.) Prerequisite: permission or a grade of B+ or better for one semester in 7920:322 Ballet VII. Continuation of 322. Advanced level of technique. Concurrent enrollment in pointe class recommended.		
432	HISTORY OF BALLET	2 credits
Prerequisite: 7900:115 or 7900:200 or permission. Development of ballet beginning with its origins in French Courts through the Romantic and Diaghilev Eras to current times.		
433	DANCE HISTORY: 20TH CENTURY	2 credits
Prerequisite: 7900:115 or 7900:200 or permission. Development of modern dance as an art form and the further evolution of ballet and concert dance.		
445	DANCE PHILOSOPHY & CRITICISM	3 credits
Prerequisites: 3400:210 or 221, 3600:101, 7900:115 and 7920:432 or 433. Review of historical dance philosophies, performance, attributes, choreographic and theatrical elements of dance and criticism.		
451	JAZZ DANCE IV	2 credits
(May be repeated for a total of eight credits.) Prerequisite: permission or a grade of B or better for one semester in 7920:351 Jazz III. Advanced jazz dance technique and styles for the professional dancer.		
461	SEM & FLD EXP: DANCE EDUC	2 credits
Prerequisite: 362. Supervised observation and teaching experience in dance education in the field. Concurrent enrollment in 7910:108 Choreographers' Workshop.		
462	PROFSSNL ISSUES IN DANCE EDUC	2 credits
Prerequisite: 461. An examination of current issues and goals in dance education. Concurrent enrollment in 7910:108 Choreographers' Workshop.		
471	SENIOR SEMINAR	1 credits

Prerequisite: 274; senior standing or permission. A forum to develop professional skills to make the transition to a dance career: artistic, academic, or business.

490 W: DANCE 1-3 credits

(May be repeated for a total of eight credits) Prerequisite: Permission. Group study/projects investigating a particular field of dance not covered by other courses.

497 INDP STUDY: DANCE 1-3 credits

(May be repeated for a total of four credits) Prerequisite: Permission and prearrangement with instructor. Individual creative project, research or readings in dance with faculty advisor.

498 HONORS RESEARCH PROJECT: DANCE 1-3 credits

May be repeated for a total of six credits. Prerequisite: Approval of department preceptor. Creative project or research supervised by dance preceptor.

101	CLASSICAL BALLET ENSEMBLE	1 credits
	By audition only. Participation in rehearsal and preparation for public performance of classical ballet repertoire. **Course may be repeated for credit. Total credit for graduation may not exceed 12 credits. All courses are by audition only.	
102	CHARACTER BALLET ENSEMBLE	1 credits
	By audition only. Participation in rehearsal and preparation for public performance of character ballet repertoire. **Course may be repeated for credit. Total credit for graduation may not exceed 12 credits. All courses are by audition only.	
103	CONTEMPORARY DANCE ENSEMBLE	1 credits
	By audition only. Participation in rehearsal and preparation for public performance of contemporary dance repertoire. **Course may be repeated for credit. Total credit for graduation may not exceed 12 credits. All courses are by audition only.	
104	JAZZ DANCE ENSEMBLE	1 credits
	By audition only. Participation in rehearsal and preparation for public performance of jazz dance repertoire. **Course may be repeated for credit. Total credit for graduation may not exceed 12 credits. All courses are by audition only.	
105	MUSICAL COMEDY ENSEMBLE	1 credits
	By audition only. Participation in rehearsal and preparation for public performance of dance production numbers in a musical comedy. **Course may be repeated for credit. Total credit for graduation may not exceed 12 credits. All courses are by audition only.	
106	OPERA DANCE ENSEMBLE	1 credits
	By audition only. Participation in rehearsal and preparation for public performance of dance sequences in an opera. **Course may be repeated for credit. Total credit for graduation may not exceed 12 credits. All courses are by audition only.	
107	EXPERIMENTAL DANCE ENSEMBLE	1 credits
	By audition only. Participation in rehearsal and preparation for public performance of avant-garde dances. **Course may be repeated for credit. Total credit for graduation may not exceed 12 credits. All courses are by audition only.	
108	CHOREOGRAPHERS WORKSHOP	1 credits
	By audition only. Participation in rehearsal and preparation for public performance of student dances. **Course may be repeated for credit. Total credit for graduation may not exceed 12 credits. All courses are by audition only.	
109	ETHNIC DANCE ENSEMBLE	1 credits
	By audition only. Participation in rehearsal and preparation for public performance of ethnic dance repertoire. **Course may be repeated for credit. Total credit for graduation may not exceed 12 credits. All courses are by audition only.	
110	PERIOD DANCE ENSEMBLE	1 credits
	By audition only. Participation in rehearsal and preparation for public performance of dances from specific historical periods such as the Renaissance or Baroque eras. **Course may be repeated for credit. Total credit for graduation may not exceed 12 credits. All courses are by audition only.	
111	TOURING ENSEMBLE	1 credits
	By audition only. Participation in rehearsal and preparation for public performance of any dances prepared for touring purposes. **Course may be repeated for credit. Total credit for graduation may not exceed 12 credits. All courses are by audition only.	
112	DANCE PRODUCTION ENSEMBLE	1 credits
	By permission only. Participation in technical assistance, preparation and performance of student dance productions: theory and laboratory. **Course may be repeated for credit. Total credit for graduation may not exceed 12 credits. All courses are by audition only.	
113	DANCE ORGANIZATIONS: WORKSHOP	1 credits
	By permission only. Participation in a dance workshop as volunteer, participant and/or presenter that forwards and augments the student's dance education and networking skills.	
200	BFA AUDITION	0 credits
	Prerequisite: 7910:201 or permission. Passing the BFA Audition is a requisite for becoming a BFA dance major. It is also a degree requirement. It may not be taken more than twice. Offered on a credit/noncredit basis.	
201	FRESHMAN JURY & INTERVIEW	0 credits
	The passing of the Freshman Jury and interview is a requisite for becoming a BA dance major. It is also a degree requirement. Students may take the Freshman Jury and Interview the following semester if failed the first time. It may not be taken more than twice. Offered on a credit/non credit basis.	

403 ST: DANCE SOMATIC

1-3 credits

(Repeatable with a change in topic for a total of six credits) Prerequisite: 7900:120 or 7900:125, or higher levels of ballet or modern dance technique. Projects or classes in Somatic Dance not covered by present course offerings.

403

ST: DANCE

1-4 credits

(May be repeated. No more than 10 credits may be applied toward the B.F.A. or B.A.) Prerequisite: Permission. Traditional and nontraditional topics in dance.

101	TOOLS FOR ENGINEERING	3 credits
	Corequisite: 3450:221. Introduction to engineering. Free hand, engineering, and CAD drawing. Introduction to computer programming, computer applications including word processing, spreadsheets, data base. Introduction to engineering economics. Required for Chemical, Civil, and Electrical Engineering majors.	
110	WOMEN IN ENGR SEM & PEER GROUP	1 credits
	Beginning women students may elect this one-credit course that provides an overview of the career opportunities for women in engineering. The course utilizes dynamic speakers to reinforce the student's educational and career choices. Small groups meet weekly, led by an upper-class engineering student. This interactive peer environment fosters personal development for first-year students.	
120	IDEA ENGINEERING SEMINAR	1 credits
	Explore career opportunities/personal development in all fields of engineering, assist with transition from high school to engineering studies. Of particular interest to underrepresented groups.	
180	ENGINEERING DESIGN	1 credits
	See department for course description.	
200	FRESHMAN INTERNSHIP	0 credits
	Elective for cooperative education student who has completed freshman year. Mandatory for students in the Aerospace Systems Engineering Program, with possibility of waiver if transferring into Program after first year or if student needed to begin mathematics sequence with Precalculus Mathematics in freshman year . Practice in industry and comprehensive written reports of this experience.	
201	ENERGY & ENVIRONMENT	2 credits
	Interactions between energy production, consumption and environment. Case studies. Not for engineering, chemistry or physics major.	
202	ATMOSPHERIC POLLUTION	2 credits
	Causes of atmospheric pollution and technical economic and social problems. Technical solutions. Case studies. Not for engineering, chemistry or physics majors.	
203	ENVIRONMENTL SCI & ENGINEERING	3 credits
	Science and engineering fundamentals required to understand environmental issues and alternative solutions. Not for engineering, chemistry, or physics majors.	
300	COOPERATIVE EDUCATION WORK PER	0 credits
	Elective for cooperative education student who has completed sophomore year. Practice in industry and comprehensive written reports of this experience.	
301	COOPERATIVE EDUCATION WORK PER	0 credits
	Prerequisite: Admission to the College of Engineering. Required for cooperative education student only. Practice in industry and comprehensive written reports of this experience. Offered spring semester of third year.	
302	COOPERATIVE EDUCATION WORK PER	0 credits
	Prerequisite: Admission to the College of Engineering. Required for cooperative education student only. Practice in industry and comprehensive written reports of this experience. Offered fall semester of fourth year.	
400	ENGINEERING MGMT & LEADERSHIP	3 credits
	This is a case and discussion oriented course that examines the role of the engineering manager as a leader, problem solver, strategic planner, and a well-rounded business minded individual.	
403	COOPERATIVE EDUCATION WORK PER	0 credits
	Prerequisite: Admission to the College of Engineering. Required for cooperative education student only. Practice in industry and comprehensive written reports of this experience. Offered summer after fourth year.	

101	TOOLS FOR CHEMICAL ENGINEERING	2 credits
Corequisites: 110 and 3450:149. Introduction to Chemical Engineering. Basic concepts of engineering practice. Introduction to professional level software including process simulation, control design, spreadsheets, mathematical computation, and process flow graphics.		
110	PROJECT MGMT & TEAMWORK I	1 credits
Teams freshmen through senior Chemical Engineering undergraduates on a design team working on a realistic chemical engineering problem. Develops teamwork, communications, presentation, project management and information technology skills.		
121	CHEMICAL ENGINEERING COMPUTA	2 credits
Prerequisites: 4200:101 or 4250:101. Computer programming language, flowcharting, introductory simulation and introductory numerical analysis.		
194	CHEMICAL ENGINEERING DESIGN I	1 credits
Prerequisites: 4200:101 and permission. Individual or group project under faculty supervision. Introduction to chemical engineering processes and modern design technology. Written report is required.		
200	MATERIAL & ENERGY BALANCES	4 credits
Prerequisites: [4200:121 or 4250:105], 3150:151 and 3450:221. Introduction to material, energy balance calculations applied to solution of chemical problems.		
210	PROJECT MGMT & TEAMWORK II	1 credits
Prerequisite: 110. Teams freshmen through senior Chemical Engineering undergraduates on a design team working on a realistic chemical engineering problem. Develops teamwork, communications, presentation, project management and information technology skills.		
225	EQUILIBRIUM THERMODYNAMICS	4 credits
Prerequisites: 4200:200 or 4250: 200 and 3450:223. Second law of thermodynamics, entropy, applications, comprehensive treatment of pure and mixed fluids. Phase and chemical equilibrium, flow processes, power production and refrigeration processes covered.		
294	CHEMICAL ENGINEERING DESIGN II	1-2 credits
Prerequisites: 121, 200 and permission. Supervised individual or group design project. Analysis of multi-unit process using simulation and/or experimental techniques. Written report and oral presentation required.		
305	MATERIALS SCIENCE	2 credits
Prerequisites: 3150:153. Corequisite: 3650:292. Structure, processing and properties of metals, ceramics and polymers. Special topics, such as composites, corrosion and wear.		
308	INTRO TO BIO-BASED POLYMERS	3 credits
Prerequisite: 3150:263 and junior standing. This course introduces basic concepts of polymer science: building blocks, structure, elementary reactions and polymerization mechanisms, through seven natural polymers.		
310	PROJECT MGMT & TEAMWORK III	1 credits
Prerequisite: 4200: 210 and admission to the College of Engineering.. Corequisite: 4250: 300 or 4200: 353. Teams freshmen through senior Chemical Engineering undergraduates on a design team working on a realistic chemical engineering problem. Develops teamwork, communications, presentation, project management and information technology skills.		
321	TRANSPORT PHENOMENA	3 credits
Prerequisites: [4200:200 or 4250:200], 3450:335 and admission to the College of Engineering. Constitutive equations for momentum, energy and mass transfer. Development of microscopic and macroscopic momentum, energy and mass transfer equations for binary systems. Analogy and dimensionless analysis. Problems and applications in unit operations of chemical engineering.		
330	CHEMICAL REACTION ENGINEERING	3 credits
Prerequisite: 3450:335, 4200:225 and admission to the College of Engineering. Nonequilibrium processes including chemical reaction mechanisms, rate equations and ideal reactor design applied to homogeneous and heterogeneous systems.		
341	PROCESS ECONOMICS	2 credits
Prerequisite:[4200:200 or 4250:200] and admission to the College of Engineering. Theory and application of engineering economy to multi-unit processes. Cost estimation, time value of money, profit analysis, decision making and introduction to project management.		
351	FLUID & THERMAL OPERATIONS	3 credits

Prerequisite: 4200:321 and admission to the College of Engineering. Applications of fluid mechanics including piping, pumping, compression, metering, agitation and separations. Applications of heat transfer by conduction, convection and radiation to design of process equipment.

353 MASS TRANSFER OPERATIONS 3 credits
Prerequisites: 4200:225 and [C- or above in 4200:200 or 4250:200] and admission to the College of Engineering. Theory and design of staged operations including distillation, extraction, absorption. Theory and design of continuous mass transfer devices.

360 CHEMICAL ENGINEERING LAB 3 credits
Prerequisites: 353; corequisites: 330, 351. Comprehensive experiments in combined heat and mass transfer, thermodynamics, and reaction kinetics. Data collection and analysis. Comprehensive reports in various formats.

394 CHEMICAL ENGINEERING DSGN III 1-3 credits
Prerequisites: 351 and permission. Supervised individual or group design project. Develop, evaluate and design feasible solutions to an open-ended problem pertinent to chemical engineering. Written report and oral presentation required.

408 POLYMER ENGINEERING 3 credits
Prerequisite: permission or senior standing. Commercial polymerization, materials selection and property modification, polymer processing, applied rheology and classification of polymer industry.

410 PROJECT MGMT & TEAMWORK IV 1 credits
Prerequisites: 4200:310 and admission to the College of Engineering. Corequisites: 4200:441 or 4250:440. Teams freshmen through senior Chemical Engineering undergraduates on a design team working on a realistic chemical engineering problem. Develops teamwork, communications, presentation, project management and information technology skills.

421 FUND OF MULTIPHASE TRNSPT PHENO 3 credits
Prerequisite: 4200:321 or equivalent, and instructor permission. Major topics to be covered: Intraphase and interphase transport phenomena, Transport phenomena in multiphase fluids, Transport in Porous Media, Transport in Gas/liquid pipe flows, Computational Fluid Dynamics of multiphase systems, and Case studies.

435 PROCESS ANALYSIS & CONTROL 3 credits
Prerequisites: 4200:330, 4200:353 and admission to the College of Engineering. Response of simple and chemical processes and design of appropriate control systems.

438 ENERGY INTEGRATION 3 credits
Prerequisite: 351. This course uses Pinch Design formalism to present the core energy integration tools for energy and area targeting, and tools for integration of reactors, distillation columns, and heat pumps.

441 PROCESS DESIGN I 3 credits
Prerequisites: 4200:330, 4200:341, 4200:351, 4200:353 and admission to the College of Engineering. Application of chemical engineering fundamentals to the design of a multi-unit process. Emphasis on use of process simulators. Advanced equipment design, oral and written communication skills and teamwork.

442 PROCESS DESIGN II 3 credits
Prerequisites: 4200:441 and admission to the College of Engineering. Teaches methods of process conceptualization, preliminary optimization. Specific topics include: chemical process design methodology, design heuristics, energy integration, and process safety review.

450 CHEMICAL PRODUCT DESIGN & DEVL 3 credits
Prerequisite: senior standing or permission. Introduction to the strategies and processes used to design and development new chemical products from the idea stage through manufacturing.

461 SOLIDS PROCESSING 3 credits
Prerequisites: 321 and 353 or permission. Comprehensive problems in sedimentation, fluidization, drying and other operations involving mechanics of particulate solids in liquid and gas continua.

462 INDUSTRIAL ENZYME TECHNOLOGY 3 credits
Prerequisites: 330 and 351. Application of chemical engineering to biological processes involving enzymes and their industrial applications. Special emphasis given to the kinetics, control, design, and process economics aspects.

463 POLLUTION CONTROL 3 credits
Prerequisite: 4200:353 or permission. Air and water pollution sources and problems. Engineering aspects and methodology.

466 DIGITIZED DATA & SIMULATION 3 credits
Prerequisite: permission. Data acquisition and analysis by digital devices, digital control applications and design.

470 ELECTROCHEMICAL ENGINEERING 3 credits

Prerequisites: 321, 330. Chemical engineering principles as applied to the study of electrode processes and to the design of electrochemical reactors. Topics include electrochemical thermodynamics, cell polarizations, Faraday's Laws, electrode kinetics, transport processes in electrochemical systems, current distributions, reactor design, experimental methods, commercial processes, and batteries and fuel cells.

471 FUEL ENGINEERING 3 credits

Prerequisite: 330 or permission of instructor. Topics related to clean liquid and solid fuels technology. Special emphasis given to design, system analysis, environmental impacts, and novel technologies.

472 SEPARATION PROCES-BIOCHEM ENGR 3 credits

Introduction to the separation and purification techniques pertinent to bioprocesses, with emphasis on engineering considerations for large scale operations.

473 BIOREACTOR DESIGN 3 credits

Prerequisite: 330 or instructor's consent. Design, analysis, and scale-up of bioreactors for various biological processes.

488 CHEMICAL PROCESSES DESIGN 3 credits

Prerequisite: Permission of instructor or senior standing. Process design and analysis of emerging chemical technologies. Case studies, such as in-situ processing, alternative fuels, bioremediation, and engineering materials manufacture.

494 DESIGN PROJECT 3 credits

Prerequisite: Permission or senior standing. Individual design project pertinent to chemical engineering under faculty supervision. Written report and oral presentation required.

496 T: CHEMICAL ENGINEERING 1-3 credits

(May be repeated for a total of six credits) Prerequisite: permission. Topics selected from new and developing areas of chemical engineering, such as electrochemical engineering, coal and synthetic fuels processing, bioengineering, simultaneous heat and mass transfer phenomena and new separation techniques.

497 HONORS PROJECT 1-3 credits

(May be repeated for a total of six credits) Prerequisite: special permission. Individual creative project pertinent to chemical engineering culminating in undergraduate thesis, supervised by faculty member of the department.

499 RES PROJ: CHEMICAL ENGINEERING 1-3 credits

(May be repeated for a total of six credits) Prerequisite: permission. Individual research project pertinent to chemical engineering under faculty supervision. Report required.

101	TOOLS FOR CORROSION ENGR	2 credits
Corequisites: 3450:149 and 4200:110. Introduction to corrosion engineering. Basic concepts of engineering practice. Introduction to professional level software needed for later studies.		
105	CORROSION ENGR COMPUTATIONS	2 credits
Prerequisite: 4200:101 or 4250:101. Corequisite: 3150:153. Structure, processing and properties of metals, ceramics, and polymers.		
194	DESIGN PROJECT 1	1 credits
Prerequisite: Permission. Individual design project in Corrosion Engineering that is supervised by a faculty member.		
200	MAT & ENER BALANCS FR CORR ENG	4 credits
Prerequisites: [4200:121 or 4250:105], 3150:151 and 3450:221. Introduction to material and energy balance calculations applied to the solution of chemical processing and corrosion engineering problems.		
294	DESIGN PROJECT 2	1-2 credits
Prerequisite: Sophomore Standing. Individual design project in Corrosion Engineering that is supervised by a faculty member.		
300	FUNDAMENTALS OF AQUEOUS CORR	3 credits
Prerequisites: 4200:225 and [4200:305 or 4600:380] and admission to the College of Engineering. Corequisites: 4250:301. Fundamentals of aqueous corrosion will cover corrosion tendencies, processes and rates at low temperature. An in-depth understanding of the aqueous corrosion mechanisms, materials performance, and the effects of stress will be covered.		
301	AQUEOUS CORROSION LAB I	1 credits
Prerequisites: 3150:154 and admission to the College of Engineering. Corequisite: 4250:300. Laboratory exercises will reinforce the fundamentals of aqueous corrosion.		
305	AQUEOUS CORROSION PREVENTION	3 credits
Prerequisite: 3150:263, 4250:300 and admission to the College of Engineering. Corequisite: 4250:306, 4300:202 and 4400:307. This course presents a functional approach to controlling and preventing aqueous corrosion based upon engineering methodologies to proper materials selection, organic coatings, chemical inhibitors, and electrochemical protection. Applications in specific industries will be covered.		
306	AQUEOUS CORROSION LAB II	1 credits
Prerequisite: 4250:301 and admission to the College of Engineering. Corequisite: 4250:305. Laboratory exercises will reinforce the fundamentals of aqueous corrosion.		
310	FUNDAMENTALS OF DRY CORROSION	3 credits
Prerequisite: 4250:300 and admission to the College of Engineering. Corequisite: 4250:311. Fundamentals of dry/hot corrosion will cover corrosion tendencies, processes and rates at high temperature. An in-depth understanding of the high temperature corrosion mechanisms, materials performance, and the effects of stress will be covered.		
311	HIGH TEMPERATURE CORROSION LAB	1 credits
Prerequisite: 4250:306 and admission to the College of Engineering. Corequisite: 4250:310. Laboratory exercises will reinforce the fundamentals of high temperature corrosion.		
340	CORROSION PREVENTION (DRY)	3 credits
Prerequisite: 305. Corequisite: 310, 4600:380. This course presents a functional approach to controlling and preventing dry corrosion based upon engineering methodologies to proper materials selection, inorganic coatings, and passivation. Applications in specific industries will be covered.		
394	DESIGN PROJECT 3	1-3 credits
Prerequisite: Junior Standing. Individual design project in Corrosion Engineering that is supervised by a faculty member.		
440	CORROSION MANAGEMENT I	3 credits
Prerequisite: 4250:305 and admission to the College of Engineering. This course applies the lessons learned in corrosion prevention and laboratory courses to corrosion case studies. Solutions to existing corrosion problems will be developed based on the analysis of test data.		
441	CORROSION MANAGEMENT II	3 credits
Prerequisites: 4250:440 and admission to the College of Engineering. This course focuses on understanding the financial, political, social and health implications of corrosion, corrosion mitigation, and corrosion prevention. Solutions to existing corrosion problems will be developed based on economic, political, social, and health issues. The course will also cover methodologies for preserving assets and reducing operation costs.		
450	ENG PRINCIPLES OF CORROSION	3 credits
Prerequisite: Junior level standing or permission. Engineering principles for understanding corrosion and corrosion mitigation methods. Case studies of corrosion management to reliability and reduce corrosion. Multidisciplinary engineering enrollment encouraged.		

494 DESIGN PROJECT 4

1-3 credits

Prerequisite: Senior Standing. Individual design project in Corrosion Engineering that is supervised by a faculty member.

496 SPEC TOP IN CORR ENGINEERING

1-3 credits

Prerequisite: Permission. (May be repeated for a total of six credits). Topics selected from new and developing areas of corrosion engineering.

497 HONORS PROJECT

1-3 credits

Prerequisites: Senior standing in Honors College or permission. Individual research or design project in Corrosion Engineering that is supervised by a faculty member. Conducted in accordance with the Honors College requirements.

101	TOOLS FOR CIVIL ENGINEERING I	3 credits
	Corequisites: 3450:149. Introduction to Civil Engineering. Basic concepts of civil engineering practice including communication skills, problem solving skills, professional ethics/goals, and teamwork. Introduction to professional level software including spreadsheets, database, and mathematical computation.	
102	TOOLS FOR CIVIL ENGINEERING II	3 credits
	Prerequisite: 4300:101. Building on concepts of engineering practices learned in Tools I further developing communication skills, problem solving skills, professional ethics/goals, statistics and model-building, and teamwork. Advanced use of professional level software including CAD, MATLAB and Excel.	
201	STATICS	3 credits
	Corequisites: 3450:222 and 3650:291. Forces, resultants, couples; equilibrium of force systems; distributed forces; centers of gravity, analysis of simple structures; moments of inertia; kinematics.	
202	INTRO: MECHANICS OF SOLIDS	3 credits
	Prerequisite: 4300:201. Axial force, bending moment diagrams, axial stress and deformation; stress-strain diagrams; torsion; flexural stress; flexural shearing stress; compound stresses; indeterminate beams; columns.	
306	THEORY OF STRUCTURES	3 credits
	Prerequisite: 4300:202 and admission to the College of Engineering. Stability and determinacy; statically determinate trusses and frames; approximate frame analysis influence lines; moving loads; virtual work analysis; moment area theorem; theorem of three moments; moment distribution for continuous beams and frames.	
313	SOIL MECHANICS	3 credits
	Prerequisite: 4300:202 and admission to the College of Engineering or permission. Physical properties of soils. Soil water and groundwater flow. Stresses, displacements, volume changes, consolidation within a soil mass. Soil strength. Compaction.	
314	GEOTECHNICAL ENGINEERING	3 credits
	Prerequisite: 4300:313 and admission to the College of Engineering. Limiting equilibrium within a soil mass. Design of retaining walls, bulkheads, shallow, deep foundation systems. Slope stability. Laboratory study of soil properties and behavior.	
321	INTRO: ENVIRONMENTAL ENGINEER	3 credits
	Prerequisites: 3150:153, 3450:222. Basic principles of ecosystems, microbiology, chemical reactions, and material flow that environmental engineers use to protect our water, air and soil.	
323	WATER SUPPLY & POLLUT CNTRL	3 credits
	Prerequisite: 4300:321 and admission to the College of Engineering. Water and wastewater characteristics, criteria, quantities and distribution. Water and wastewater treatment process flowsheets, design and operation. Wastewater and residue disposal.	
341	HYDRAULIC ENGINEERING	3-4 credits
	Prerequisites: 4600:310 and admission to the College of Engineering. This course will focus on presentation and application of fundamental hydraulic principles in both the classroom and laboratory. Examination of flow in pipelines and pipe networks, pumps and pumping stations, hydrology, flow in open channels, groundwater hydraulics, and design of hydraulic structures will be studied. Emphasis will be placed on proper application of principles, data interpretation and analysis, problem solving, and report writing.	
361	TRANSPORTATION ENGINEERING	3 credits
	Prerequisites: junior standing and admission to the College of Engineering. Introductory survey of transportation topics including transportation planning requirements and techniques, introduction to design of highways, airports and railroads and introduction to traffic engineering.	
380	ENGINEERING MATERIALS LAB	3 credits
	Prerequisites: 4300:202 and admission to the College of Engineering. Fundamentals and applications of materials science, mechanics of solids and study of laboratory instrumentation and standard techniques in testing of engineering materials.	
401	STEEL DESIGN	3 credits
	Prerequisites: 4300:306 and admission to the College of Engineering. Tension, compression members; open web joists; beams; bearing plates; beam-columns; bolted, welded connections.	
403	REINFORCED CONCRETE DESGN	3 credits
	Prerequisites: 4300:306 and admission to the College of Engineering. Ultimate strength analysis and design; compression steel; diagonal tension; stirrups; development length; one-way slab; T-beams; two-way slabs; columns; isolated and combined footings.	
404	ADVANCED STRUCTURAL DESIGN	3 credits
	Prerequisites: 401, 403. Composite design; plate girders; plastic design; cantilever retaining walls; torsion in R/C members; deflection of R/C members; continuous girder bridge design.	

407	ADVANCED STRUCTURAL ANALYSIS	3 credits
Prerequisite: 306. Energy methods for beams and frames. Stiffness and flexibility formulations for framed structures using classical and matrix methods. Introduction to stability and plastic analysis. Warping-Torsion behavior of beams. Analysis of axisymmetric circular plates and membrane shells.		
414	DESIGN OF EARTH STRUCTURES	3 credits
Prerequisite: 314 or permission. Design of earth structures: dams, highway fills, cofferdams, etc. Embankment construction techniques, quality control, embankment analysis, instrumentation, foundation soil stabilization, seepage analysis and control. Design problem. Graduate students will perform more advanced analysis and design.		
418	SOIL & ROCK EXPLORATION	3 credits
Prerequisite: 314 or permission. Site exploration criteria and planning. Conventional boring, sampling and in situ testing methods. Theory and application of geophysics and geophysical methods including seismic, electrical resistivity, gravity, magnetic and radioactive measurements. Air photo interpretation.		
423	CHEMISTRY FOR ENVIRNMNTL ENGRS	3 credits
Prerequisite: One year of college chemistry. General, physical, organic biochemistry, equilibrium, and colloid chemistry concepts applied to Environmental Engineering. Concepts are used in water and wastewater laboratory.		
424	WATER-WASTEWATER LABORATORY	1 credits
Corequisite: 323 or permission. Analysis of water and wastewater.		
426	ENVIRONMENTAL ENGINEERING DSGN	3 credits
Prerequisite: 323. An introduction to the physical, chemical and biological processes utilized in the treatment of water and wastewater, with design parameters emphasized.		
427	WATER QUALITY MODELING & MGMT	3 credits
Prerequisite: 323. Analysis and simulation of the physical, chemical and biochemical processes affecting stream quality. Development of management strategies based upon the application of water quality modeling techniques to environmental systems.		
428	HAZARDOUS & SOLID WASTES	3 credits
Prerequisite: senior standing or permission of instructor. Hazardous and solid waste quantities, properties and sources are presented. Handling, processing, storage and disposal methods are discussed with non-technical constraints outlined.		
441	HYDRAULIC DESIGN	3 credits
Prerequisite: 341. Collection and critical evaluation of hydraulic data related to actual design problem selected by instructor. Development and analysis of design alternatives. Preparation of reports.		
443	APPLIED HYDRAULICS	3 credits
Prerequisites: 4300:341 and admission to the College of Engineering. Review of design principles: urban hydraulics, stream channel mechanics, sedimentation, coastal engineering.		
445	HYDROLOGY	3 credits
Prerequisite: 341. Surface water hydrology, water cycle, precipitation, evaporation, stream flow. Principles of hydrologic systems and their analysis. Hydrologic simulation, reservoir planning and water supply studies. Analysis of rainfall and floods.		
448	HYDRAULICS LABORATORY	1 credits
Prerequisite: 341. Introduction to laboratory and field devices for hydraulic measurements. Reduction and presentation of hydraulic data. Individual assignments of model studies of hydraulic structures.		
450	URBAN PLANNING	2 credits
Historical developments in urban planning; urban planning techniques and patterns; comprehensive master planning studies; planning regulations; design problems; class projects; class project presentation.		
451	COMPUT MTHDS OF STRCTRL ANALYS	3 credits
Prerequisite: 306. Computer methods of structural analysis. Finite element software and interactive graphics. Stiffness concepts and matrix formulation of beams; modeling of simple and complex structural systems; vibration analysis using microcomputers.		
452	STRUCTURAL VIBRATNS & EARTHQKS	3 credits
Prerequisite: 306. Vibration and dynamic analysis of structural systems with one, two, or more degrees of freedom; beams, frames, buildings and bridges. Numerical methods of analysis. Elastic-plastic systems. Earthquake analysis of design. Earthquake codes.		
453	OPTIMUM STRUCTURAL DESIGN	3 credits
Prerequisite: 306. Basic concepts in structural optimization. Mathematical programming methods including unconstrained minimization, multidimensional minimization and constrained minimization.		
454	ADVANCED MECHANICS OF MATERIAL	3 credits

Prerequisite: 202 or equivalent. Three-dimensional state of stress and strain analysis. Unsymmetric bending of straight and curved members with shear deformation. Beams on elastic foundations. Saint Venant's torsional problems. Inelastic analysis of bending and torsional members. Introduction to energy method. Instability behavior of prismatic members.

463 TRANSPORTATION PLANNING 3 credits

Prerequisite: 361. Theory and techniques for development, analysis and evaluation of transportation system plans. Emphasis on understanding and using tools and professional methods available to solve transportation planning problems, especially in urban areas.

464 HIGHWAY DESIGN 3 credits

Prerequisite: 361. Study of modern design of geometrical and pavement features of highways. Design problem and computer use. Graduate students will produce a more complete design.

465 PAVEMENT ENGINEERING 3 credits

Prerequisite: 361. Theories of elasticity, of viscoelasticity and of layered systems as applied to pavements. Pavement materials characterization; pavement design, pavement restoration for rigid and flexible pavements.

466 TRAFFIC ENGINEERING 3 credits

Prerequisite: 361. Vehicle and urban travel characteristics, traffic flow theory, traffic studies, accidents and safety, traffic signs and marking, traffic signal planning, traffic control and transportation administration.

467 ADVANCED HIGHWAY DESIGN 3 credits

Prerequisites: 464, autoCAD capability, or permission. Computer-aided geometrical design of highways including survey data input, digital terrain modeling, cross-section templates, horizontal and vertical roadway design, earthwork computations, and advanced topics.

468 HIGHWAY MATERIALS 3 credits

Prerequisites: 361, 380 or permission. Properties of aggregates, manufacture and properties of portland cement concrete, properties of asphaltic materials, design and testing of hot mix asphalt pavement mixes and of surface treatments. Laboratory preparation of specimens and determination of properties. Graduate student requirement: Graduate students will be required to perform an additional eight-hour asphalt laboratory (Absorption recovery of asphalt from solution) and to prepare a paper on a highway materials topic.

471 CONSTRUCTION ADMINISTRATION 3 credits

Prerequisites: senior standing and admission to the College of Engineering or permission. Organization for construction, construction contracts, estimating, bidding, bonds and insurance. Construction financial management and supervision of construction, scheduling using critical path method.

472 CONSTRUCTION ENGINEERING 3 credits

Prerequisite: senior standing or permission. Construction equipment selection and management. Techniques of various engineering construction operations including blasting, tunneling, concrete framework and dewatering.

473 CONSTRUCTION MATERIALS 2 credits

Prerequisites: 380, 4200:305. Composition, structure and mechanical behavior of structural materials such as concrete, wood, masonry, plastics and composite materials. Discussion of applications and principles of evaluating material properties.

474 UNDERGROUND CONSTRUCTION 2 credits

Prerequisite: 314. Description of practices and techniques of underground construction. Selection of proper method for individual job. Design of underground openings, support systems and linings.

480 RELIABILITY-BASED DESIGN 4 credits

Prerequisite: 3470:261 and senior standing. Probability concepts in civil engineering. Risk analysis and reliability based design.

482 SPEC PRO: CIVIL ENGINEERING 1-3 credits

Prerequisites: senior standing and permission. Directed individual or group research or study in student's field of interest. Topic subject to approval by adviser.

490 SENIOR DESIGN IN CIVIL ENGINEERING 3 credits

Prerequisites: senior standing and admission to the College of Engineering. A civil engineering design project that emphasizes interdisciplinary teamwork to solve a substantial, currently relevant problem.

497 HONORS PROJECT 1-3 credits

(May be repeated for a total of six credits) Prerequisite: senior standing in Honors Program. Individual creative project or design relevant to civil engineering, supervised by faculty member of the department.

101	TOOLS FOR ELECTRICAL ENGR	3 credits
Corequisite: 3450:221 or 149. Orientation to degree programs and design practice in electrical and computer engineering. Introduction to computer applications and resources for engineering studies.		
230	CIRCUITS I LABORATORY	1 credits
Corequisite: 231. Computation, computer aided circuit analysis, circuit theorem confirmation, report writing to include data analysis and reduction, introduction to electrical measurements.		
231	CIRCUITS I	3 credits
Corequisite: 4400:230, 3450:223, 3650:292. DC and AC linear circuit analysis. Operational amplifier circuits. Loop and nodal analyses. Network theorems. Phasor techniques, steady-state AC power, three-phase systems.		
301	UG RESEARCH I: ELEC ENGR	1 credits
Prerequisites: 4400:230, 4400:231, 4400:330, 4400:332, 4450:220, [4400:101 or 4450:101] with a combined average grade of 3.0 or higher, admission to the College of Engineering, and permission. Research project, supervised by faculty member of the department; requires oral research presentation and written report.		
302	UG RESEARCH II: ELEC ENGR	1 credits
Prerequisites: 4400:301 or 4450:301, admission to the College of Engineering and permission. Research project, supervised by faculty member of the department; requires oral research presentation and written report.		
303	UG RESEARCH III: ELEC ENGR	1 credits
Prerequisites: 4400:302 or 4450:302, admission to the College of Engineering and permission. Research project, supervised by faculty member of the department; requires oral research presentation and written report to the department, and presentation of work in a research venue outside the department.		
304	UG RESEARCH IV: ELEC ENGR	1 credits
(May be repeated. May not be applied to degree requirements.) Prerequisite: 303 or 4450:303, and permission. Research project, supervised by faculty member of the department; requires oral research presentation and written report.		
307	BASIC ELECTRICAL ENGINEERING	4 credits
Prerequisite: 3650:292; corequisite: 3450:335. Covers fundamental aspects of electrical circuits, electronics and electrical machinery. Not open to an electrical or computer engineering major.		
309	DESIGN PROJ SEM: ELECTRICAL ENG	1 credits
Prerequisites: junior standing, admission to the College of Engineering and permission. Project selection and proposal. Project specifications and alternative design. Professional ethics. Intellectual property. Societal impact issues in engineering design. Senior Design Project II presentations.		
330	CIRCUITS II LABORATORY	1 credits
Corequisite: 332. Computation, computer aided circuit analysis, circuit theorem confirmation, report writing to include data analysis and reduction, intermediate electrical measurements.		
332	CIRCUITS II	3 credits
Prerequisite: 231; Corequisite: 330, 3450:335. Coupled magnetic circuits. Transient and frequency domain analyses of linear circuits. Bode plots, Laplace transforms, transfer functions, resonance, passive and active filters.		
340	SIGNALS & SYSTEMS	4 credits
Prerequisites: [3460:209 or 4450:208 or 4800:220], 3450:335, 4400:332 and admission to the College of Engineering. Linear systems theory and transform analysis techniques for continuous and discrete systems. Convolutions, Laplace transforms, continuous and discrete Fourier transforms. Difference equations and Z transforms.		
341	INTRO: COMMUNICATION SYSTEMS	3 credits
Prerequisites: 4400:340 and admission to the College of Engineering. Introduces analog and digital communication systems and signal processing. Time-sampling and filtering. Modulation and demodulation techniques. Noise and bandwidth requirements. System design and performance analysis.		
353	ELECTROMAGNETICS I	4 credits
Prerequisite: 4400:231 and admission to the College of Engineering. Corequisite: 3450:335. Vector analysis. Electrostatics: electrostatic field, scalar potential, dielectrics, boundary-value problems. Magnetostatics: magnetic circuits. Maxwell's equations: Faraday's law, time-harmonic fields. Introduction to plane waves.		
354	ELECTROMAGNETICS II	3 credits
Prerequisites: 4400:353 and admission to the College of Engineering. Theory and application of transmission lines: transient and steady-state waves. Plane EM waves: propagation, reflection, and refraction. Waveguides open and closed-boundary guiding structures.		
360	PHYSICAL ELECTRONICS	3 credits
Prerequisites: 4400:332, 4450:220 and admission to the College of Engineering. PN junction, diffusion, tunneling, FET and BJT device physics, equivalent circuits for electronic devices, time and frequency analysis, biasing and logic families.		

361	ELECTRONIC DESIGN	4 credits
Prerequisites: 4400:340, 4400:360 and admission to the College of Engineering. Power amplification, feedback, oscillators, linear integrated circuits, modulation and demodulation circuits.		
371	CONTROL SYSTEMS I	4 credits
Prerequisites: 4400:340 and admission to the College of Engineering. Introduction to servomechanisms and feedback. Modeling and response of feedback control systems. Stability of linear systems. Experiments include analog simulation and basic servomechanism.		
381	ENERGY CONVERSION	4 credits
Prerequisites: 4400:332 and admission to the College of Engineering. Corequisite: 4400:353. Nonelectrical to electrical energy conversions and vice versa: thermal, chemical, solar. Fundamentals of electromechanical energy conversion. Principles of operation of transformers, commutator machines, induction and synchronous machines.		
401	SENIOR DESIGN PROJ I: ELEC ENG	2 credits
Prerequisites: 4400:309, senior standing, admission to the College of Engineering and 4400:341, 4400:354, 4400:361, 4400:371, and 4400:381 with a combined average grade of 2.0 or higher. Design and preparation phase of an engineering project. Requires project presentation, approval of a written proposal, and ordering of required parts.		
402	SENIOR DESGN PROJ II: ELEC ENG	3 credits
Prerequisite: 4400:401 and admission to the College of Engineering. Implementation and evaluation phases of an engineering design project. Requires a project presentation and report.		
434	ACTIVE CIRCUITS	3 credits
Prerequisite: 340. Applications of operational amplifiers including bilinear transfer functions, scaling, cascade design, biquad circuits, lowpass, high pass, bandpass-filters, Butterworth and Chebyshev response, sensitivity, delay filters, frequency transformations, ladder design, simulated element design, leapfrog simulation and switched-capacitors.		
441	DIGITAL COMMUNICATION	3 credits
Prerequisite: 4400:341 or 4450:440. Introduction to digital communications theory and systems. Sampling, formatting and baseband communications. Digital modulation techniques and optimal receivers. Error performance analysis. Error control.		
445	WIRELESS COMMUNICATIONS	3 credits
Prerequisite: 441. Theory and analysis of wireless communication systems, wireless propagation, multiple access, modulation, demodulation, multipath channel characterization, diversity, cellular and PCS services and standards.		
447	RANDOM SIGNALS	3 credits
Prerequisite: 340. Applications of set theory, discrete and continuous sample spaces; probability, random variables, distribution functions, density functions, stochastic processes, random signals, system function, power spectrum and correlation functions.		
448	OPTICAL COMMUNICATION NETWORKS	3 credits
Prerequisites: 360. Optical waveguides and integrated components. Optical transmitters and receivers. Optical communications network design.		
451	ELECTROMAGNETIC COMPATIBILITY	3 credits
Prerequisite: 360. Introduction to electromagnetics, electromagnetic compatibility, crosstalk and effects on computers, communication lines and systems.		
453	ANTENNA THEORY	3 credits
Prerequisite: 354. Theory of EM radiation. Wire antennas, arrays, receiving antennas, reciprocity. Integral equations for induced currents, self and mutual impedances. Equivalence principle, radiation from aperture antennas.		
455	MICROWAVES	4 credits
Prerequisite: 354. Dynamic fields, Maxwell's equation and wave equations. Field analysis of wave guides, microwave components, techniques and systems.		
461	OPTICAL ELECTR & PHOTO DEVICES	3 credits
Prerequisites: 360. Lightwave engineering, photonic principles and optical electronic device technology.		
469	INTRO TO SENSORS & ACTUATORS	3 credits
Prerequisite: senior standing or permission. Introduction to the theory and practice of sensors and actuators; sensing and actuation technologies; performance, and interfacing.		
472	CONTROL SYSTEMS II	4 credits
Prerequisite: 371. Sampled-data control system analysis and design. Discrete-time representation of sampled-data systems. Cascade, feedforward and state-variable compensation techniques. Digital computer implementation.		
481	MODERN POWER SYSTEMS	3 credits
Prerequisite: 381. Introduction to electricity utility load flow, faulty analysis, stability, surge protection and relaying.		

483	POWER ELECTRONICS I	3 credits
Prerequisite: 4400:360. Steady-state analysis and design of power electronic converters: AC/DC converters (rectifiers), DC/DC converters, DC/AC PWM and resonant converters, AC/AC converters and cycloconverters.		
484	PWR ELECTRON LAB & DESIGN PROJ	2 credits
Prerequisite: 483/583 or equivalent. Experiments on different types of power electronic converters: AC/DC, DC/DC, DC/AC, and AC/AC. Design project to include design, simulation, building, and testing of a power electronic circuit.		
485	ELECTRIC MOTOR DRIVES	3 credits
Prerequisite: 381. Application of electric machines, choice of motor for particular drive. Application of power semiconductor circuits in electric machinery.		
486	DYNAMICS OF ELECTRIC MACHINES	3 credits
See department for course description.		
487	ELECTROMAGN DSGN OF ELEC MCHNS	3 credits
See department for course description.		
488	CONTROL OF MACHINES	4 credits
See department for course description.		
489	ELECTRIC AND HYBRID VEHICLES	3 credits
Prerequisite: 3450:335. Basic principles of electric and hybrid vehicles. Characteristics of electric machines, internal combustion engines, transmissions, batteries, fuel cells, ultracapacitors. Vehicle control strategies, communication networks, and overall system integration.		
498	ST: ELECTRICAL ENGINEERING	1-3 credits
(May be taken more than once) Prerequisite: permission of department chair. Special topics in electrical engineering.		

101	TOOLS FOR COMPUTER ENGINEERING	3 credits
	Corequisite: 3450:221 or 3450:149. Orientation to degree programs and design practice in electrical and computer engineering. Introduction to computer applications and resources for engineering studies.	
208	PROGRAMMING FOR ENGINEERS	3 credits
	Prerequisite: 4400:101 or permission. Introduction to programming. Environment and tools. C programming language. Machine level data forms and organization.	
220	DIGITAL LOGIC DESIGN	4 credits
	Corequisites: 4400:101 or 4450:101 or 4800:101. Boolean algebra and simplification of logic functions. Combinational and synchronous sequential circuits. Laboratory projects include design of digital systems with hardware description language and simulation.	
301	UG RESEARCH I: COMP ENGR	1 credits
	Prerequisites: completion of [4400:101 or 4450:101], 4400:230, 4400:231, 4400:330, 4400:332 and 4450:220 with a combined average grade of 3.0 or higher, admission to the College of Engineering and permission. Research project, supervised by faculty member of the department; requires oral research presentation and written report.	
302	UG RESEARCH II: COMP ENGR	1 credits
	Prerequisites: [4400:301 or 4450:301], admission to the College of Engineering and permission. Research project, supervised by faculty member of the department; requires oral research presentation and written report.	
303	UG RESEARCH III: COMP ENGR	1 credits
	Prerequisites: [4400:302 or 4450:302], admission to the College of Engineering and permission. Research project, supervised by faculty member of the department; requires oral research presentation and written report to the department, and presentation of work in a research venue outside the department.	
304	UG RESEARCH IV: COMP ENGR	1 credits
	(May be repeated. May not be applied to degree requirements.) Prerequisite: 303 or 4400:303, and permission. Research project, supervised by faculty member of the department; requires oral research presentation and written report.	
309	DESIGN PROJECT SEM - COMP ENGR	1 credits
	Prerequisites: Junior standing, admission to the College of Engineering and permission. Project selection and proposal. Project specifications and alternative design. Professional ethics. Intellectual property. Societal impact issues in engineering design. Senior Design Project II presentations.	
320	COMPUTER SYSTEMS	3 credits
	Prerequisite: 3460:209 or 4450:208, 4450:220 or 3450:208. Introduces the design and architecture of modern computer systems. Data and instruction representation. Conventional computer organization. Hardware and software design processes. The hardware/software interface.	
325	OPERATING SYSTEMS CONCEPTS	3 credits
	Prerequisites: 320, 3460:210. Processes and threads. Process communication and resource sharing. Deadlock resolution. Memory management. File systems. Introduction to network operating systems.	
367	VLSI DESIGN	3 credits
	Prerequisites: 4400:360 and admission to the College of Engineering. Digital logic circuits. Very large scale integration (VLSI) fabrication processes and layout design. Delay and power of digital circuits. Latches and flip-flops in VLSI. Memory design. System-level design issues. Design project.	
401	SENIOR DES PROJ I - COMP ENGR	2 credits
	Prerequisites: 4450:309, senior standing, admission to the College of Engineering, and completion of 4450:325, 4450:367, 4450:420, 4450:427 and 4450:440 with a combined average grade of 2.0 or higher. Design and preparation phase of an engineering project. Requires project presentation, approval of a written proposal, and ordering of required parts.	
402	SENIOR DES PROJ II - COMP ENGR	3 credits
	Prerequisites: 4450:401 and admission to the College of Engineering. Implementation and evaluation phases of an engineering design project. Requires a project presentation and report.	
410	EMBEDDED SCIENTIFIC COMPUTING	3 credits
	Prerequisites: 208 or 3460:209 and 4400:340. Fixed point, floating point representation and coding. Processor/DSP implementations. Assemblers, C language semantics. Adapting scientific library routines for embedded use. Minimizing complexity. Ill-conditioned problems.	
415	SYSTEM SIMULATION	3 credits
	Prerequisite: 4400:371 or 4450:440. Computer simulation of dynamic systems. Discrete system stability, linear multistep and Runge-Kutta methods, nonlinear systems, stiff systems, distributed systems and real-time computing.	
420	COMPUTER SYSTEMS DESIGN	3 credits
	Prerequisite: 4450:320. Design of advanced processors at the microarchitecture level. Pipelining. Superscalar, vector and VLIW architectures. Instruction-level parallelism. Compiler support. Multiprocessor architectures.	

- 422 EMBEDDED SYSTEMS INTERFACING 3 credits
 Prerequisites: [3460:209 or 4450:208] and admission to the College of Engineering. Corequisite: 4400:360. Microcontroller structures and embedded peripherals. Interfaces to physical environments. Software access to peripherals including timers, ADCs and DACs. Synchronous and asynchronous communications. Interrupts. Real-time operating systems.
- 427 COMPUTER NETWORKS 3 credits
 Prerequisite: 320; 325 or 3460:426. Network architecture and protocol layering. Network design principles, communication protocols, and performance measures. Socket programming, routing, error detection and correction, access control, multimedia networking.
- 440 DIGITAL SIGNAL PROCESSING 3 credits
 Prerequisites: 4400:340 and admission to the College of Engineering. Signal sampling and reconstruction; data-converter models. Unilateral and bilateral z transforms. Discrete Fourier Transform (DFT); Fast Fourier Transform (FFT). Digital filter structures and design methods.
- 462 ANALOG INTEGRATED CIRCUIT DESG 3 credits
 Prerequisite: 4400:360. CMOS processes and layout; amplifiers, current mirrors, and comparators; current, voltage, and bandgap references; switched capacitor circuits. Frequency and noise analysis techniques.
- 465 PROGRAMMABLE LOGIC 3 credits
 Prerequisite: 4450:220, 3460:209 or 4450:208. Digital design with programmable devices. PLD and FPGA architectures. Logic design and technology mapping tools.
- 467 VLSI CIRCUITS & SYSTEMS 3 credits
 Prerequisite: 367. High performance adders and multipliers for very large scale integration (VLSI) systems. Architectural synthesis. Design for high performance, low power, and testability.
- 498 ST: COMPUTER ENGINEERING 1-3 credits
 (May be taken more than once) Prerequisite: permission of department chair. Special topics in computer engineering.

165	TOOLS FOR MECHANICAL ENGR	3 credits
Corequisite: 3450:149. Personal computer DOS system, word processing, spreadsheet, computer-aided drafting, math calculating package, mechanical graphics, and introduction to mechanical engineering program and curriculum.		
203	DYNAMICS	3 credits
Prerequisite: 3450:222, 3650:291, 4300:201. Corequisite: 3450:223. Kinematics and kinetics of particles and rigid bodies. Principles of work, energy, momentum and impulse.		
260	ENGINEERING ANALYSIS I	2 credits
Prerequisite: 3450:222; corequisite: 3450:223. Introduction to numerical methods in mechanical engineering; applications of computer tools (MatLab).		
300	THERMODYNAMICS I	3 credits
Prerequisites: 3450:223 and admission to the College of Engineering. Corequisite: 3650:292. Basic concepts of thermodynamics. Pure substances, closed and open systems, the first and second laws of thermodynamics. Entropy, vapor power cycles and vapor compression refrigeration.		
301	THERMODYNAMICS II	2 credits
Prerequisites: 3450:335, 4600:300 and admission to the College of Engineering. Absorption refrigeration. Gas cycles. Thermodynamics of state, gas mixtures and gas-vapor mixtures. Combustion.		
305	THERMAL SCIENCE	2 credits
Prerequisite: 3450:223 and admission to the College of Engineering. Corequisite: 3650:292. Credit not allowed for both 300 and 305. Introduction to first and second laws of thermodynamics, perfect gas relationships, equations of state, cycle analysis. Introduction to conduction, convection and radiation heat transfer.		
310	FLUID MECHANICS I	2 credits
Prerequisites: 3450:335, 4600:203 and admission to the College of Engineering. Properties and behavior of gases and liquids at rest and in motion. Energy equation. Flow in conduits. Forces on body submerged in moving fluid. Dimensional analysis and similitude.		
311	FLUID MECHANICS II	3 credits
Prerequisite: 4600:310 and admission to the College of Engineering. Navier-Stokes equations. The boundary layer. External viscous flows and potential flow. Fundamentals of compressible flow. Concepts of computational fluid dynamics.		
315	HEAT TRANSFER	3 credits
Prerequisites: 4600:300, [4600:310 or 4800:360], [4600:360 or 4800:220] and admission to the College of Engineering. Fundamentals of heat transfer by conduction, convection and radiation.		
321	KINEMATICS OF MACHINES	2 credits
Prerequisites: 4600:165, 4600:203 and admission to the College of Engineering. Displacements, velocities, accelerations and introduction to plan motion mechanisms. Introduction to design of gears, gear trains and cams.		
336	ANALY OF MECHANICAL COMPONENTS	3 credits
Prerequisite: 4300:202 and admission to the College of Engineering. Corequisite: 3450:335. Analysis of stress and strain at a point. Mohr's circles, shear centers, elastic instability. Stresses in thick and thin cylinders. Fatigue analysis.		
337	DESIGN OF MECHANICAL COMPON	3 credits
Prerequisites: 4600:336 and admission to the College of Engineering. Application of stress analysis to design of fasteners, welds, springs, ball bearings and gears. Introduction to journal bearings and lubrication. Component design projects.		
340	SYSTEMS DYNAMICS & RESPONSE	3 credits
Prerequisites: 3450:335, 4600:203 and admission to the College of Engineering. A unified approach to modeling, analysis, response and stability of engineering systems: analog, digital and hybrid computer simulation of interdisciplinary engineering problems are included.		
360	ENGINEERING ANALYSIS II	2 credits
Prerequisites: 3450:335, 4600:260 and admission to the College of Engineering. Numerical methods of solution of mechanical engineering problems.		
380	MECHANICAL METALLURGY	2 credits
Prerequisites: 3150:153 and admission to the College of Engineering. Corequisite: 4300:202. Structures of common metallic materials and study of their macroscopic mechanical behavior. Phase changes and heat treatment. Theories of failure.		
400	THERMAL SYSTEM COMPONENTS	3 credits
Prerequisites: 4600:301, 4600:311, 4600:315 and admission to the College of Engineering. Performance analysis and design of basic components of thermal energy exchange and conversion systems. Components studied include heat exchangers, pumps, compressors, turbines and expansion engines.		
402	SENIOR SEMINAR	1 credits

Prerequisite: Admission to the College of Engineering. Corequisites: 4600:400, 4600:441, 4600:460 and [4600:401 or 4600:461 or 4700:499]. Students need further education in ethics, codes and standards, intellectual property, product liability, safety issues, technical writing, diversity, and job opportunities.		
410	HEATING & AIR CONDITIONING	3 credits
Prerequisites: 301 or permission. Corequisite: 315 or permission. Thermodynamics of gas mixtures. Design and selection of air conditioning equipment. Control of gas mixtures, heating, cooling and humidity.		
411	COMPRESSIBLE FLUID MECHANICS	3 credits
Prerequisites: 4600:301, 4600:310 and admission to the College of Engineering. Subsonic and supersonic flow in nozzles, diffusers and ducts. One-dimensional reactive gas dynamics. Prandtl-Myer theory. Applications to design and analysis of compressors, turbines and propulsion devices.		
412	FUNDAMENTALS OF FLIGHT	3 credits
Prerequisites: 4600:311 and admission to the College of Engineering. Introduction to basic aerodynamics, airplane performance, stability and control, astronautics and propulsion. Design considerations are emphasized.		
413	INTRODUCTION TO AERODYNAMICS	3 credits
Prerequisites: 4600:311 and admission to the College of Engineering. Introduction of aerodynamic concepts; includes conformal transformations, theory of thin airfoils, two-dimensional airfoil theory, wings of finite span, lifting line theories, lumped vortex, vortex lattice, and panel methods.		
414	INTRO TO AEROSPACE PROPULSION	3 credits
Prerequisites: 4600:311 and admission to the College of Engineering. Introduction to propulsion systems currently used in aerospace fields; propulsion principles for turbojets, turbofans, ramjets, chemical rockets, and electrical rocket propulsion.		
415	ENERGY CONVERSION	3 credits
Prerequisites: 301 or permission. Corequisite: 315 or permission. Topics from fields of internal combustion engines, cycle analysis, modern conversion devices.		
416	HEAT TRANSFER PROCESSES	3 credits
Prerequisite: 315 or permission. Analysis, design of extended surfaces. Natural convection and mixed convection, combined modes of heat transfer and heat transfer with phase changes.		
420	INTRO TO FINITE ELEMENT METHOD	3 credits
Prerequisites: 4300:202, 4600:315 and admission to the College of Engineering. Introduction to matrix and finite element methods. Stiffness and flexibility formulations in solid mechanics and thermal sciences. Basic finite element methods and its implementation.		
422	EXPERIMENTAL STRESS ANALYSIS I	3 credits
Prerequisite: 336 or permission. Experimental methods of determining stress or strain: brittle lacquer, strain gages, photoelasticity, full field techniques.		
430	MACHINE DYNAMICS	3 credits
Prerequisite: 321 or permission. Static and dynamic forces in machines, products of inertia, dynamic equivalence, flywheels. Balancing of rotating, reciprocating, cyclic plane motion. Computer simulation of transient mechanism dynamics, other topics in advanced dynamics.		
431	FUND OF MECHANICAL VIBRATIONS	3 credits
Prerequisites: 3450:335, 4600:203 and admission to the College of Engineering or permission. Undamped and forced vibrations of systems having one or two degrees of freedom.		
432	VEHICLE DYNAMICS	3 credits
Prerequisites: 203 or permission and 3450:335 or permission. Application of dynamic systems analysis techniques to road vehicles. Newtonian and Lagrangian methods. Tire/road interface. Ride characteristics, handling and stability. Digital simulation.		
440	SYSTEM DYNAMICS & CONTROL	4 credits
See department for course description.		
441	CONTROL SYSTEMS DESIGN	3 credits
Prerequisites: 4600:340 and admission to the College of Engineering or permission. Methods of feedback control design such as minimized error, root-locus, frequency domain. Compensation techniques. Multivariable and nonlinear design methods and computer-aided control design.		
442	INDUSTRIAL AUTOMATIC CONTROL	3 credits
Prerequisite: 441 or permission. Operation of basic control mechanisms. Study of mechanical, hydraulic, pneumatic, fluidic control systems, including application areas. Tuning of control devices for optimum performance of system. Case studies on control applications from industry, e.g. boilers, furnaces, process heaters.		
443	OPTIMZTN METHODS IN MECH ENG	3 credits

Prerequisite: 360 or permission. Development and method of solution of optimization problems in mechanical engineering. The use of dynamic programming and operational research methods for optimization including computer utilization and applications.

444 ROBOT DESIGN, CONTROL & APPL 3 credits

Prerequisites: 321 or permission, 441 or permission. Robot design and control. Kinematic transformations, velocities and accelerations, path trajectories and dynamics, control and sensing in robotics. The automated factory with robot applications.

450 INTRO: COMPUT FLUID FLW & CONV 3 credits

Prerequisites: 315 or permission, 360 or permission. Numerical modeling of fluid/thermal systems; numerical solution of the momentum and thermal boundary layer equations; flow simulation using advanced heat transfer/fluid/graphics packages.

460 CONCEPTS OF DESIGN 3 credits

Prerequisite: 4600:337 and admission to the College of Engineering. Design process. Creativity and inventiveness. Tools of decision making, engineering economics, reliability, optimization. Case studies.

461 ME SENIOR DESIGN PROJECT I 2 credits

Prerequisite: Admission to the College of Engineering. Corequisites: 4600:400, 4600:441 and 4600:460. Detailed senior design project. Design, feasibility, and cost analysis.

462 PRESSURE VESSEL DESIGN 3 credits

Prerequisite: 336 or permission. Introduction to modern pressure vessel technology. Topics include basic structural considerations, materials and their environment and design-construction features.

463 COMPUTER AIDED DESIGN & MANUFA 3 credits

Prerequisites: 165 or permission, 360 or permission. The use of computer systems to assist in the creation, modification, analysis, or optimization of engineering designs, and to plan, manage, and control manufacturing plants.

471 ME SENIOR DESIGN PROJECT II 2 credits

Prerequisites: 4600:461 and admission to the College of Engineering. Detailed senior design project. Final design and implementation.

483 MECHANICAL ENGR MEASURMTS LAB 2 credits

Prerequisites: 4600:300, 4600:310 and admission to the College of Engineering. Corequisite: 4600:340. Development of methods to measure temperature, pressure, flow rate, viscosity and motion. Includes both lecture and laboratory experience and emphasizes calibration and accuracy of appropriate instruments.

484 MECHANICAL ENGINEERING LAB 2 credits

Prerequisite: 4600:301, 4600:311, 4600:315, 4600:380, 4600:431, 4600:483 and admission to the College of Engineering. Corequisite: 4600:441. Laboratory experiments in area of dynamics, vibrations, thermodynamics, fluids, heat transfer and controls.

486 ST: MECHANICAL ENGINEERING 1-3 credits

Prerequisite: permission. Brief description of current content to be announced in schedule of classes.

497 HONORS PROJ IN MECHANICAL ENGR 4 credits

Prerequisite: senior standing in Honors Program. Individual creative project in thermal science, mechanics or design relevant to mechanical engineering, supervised by faculty member of the department.

498 EXPER INVESTG IN MECHANIC ENGR 1-2 credits

Individual independent laboratory investigations in areas relevant to mechanical engineering. Student suggests a project and makes appropriate arrangements with faculty for supervision.

281	POLYMER SCI FOR ENGINEERS	2 credits
Prerequisites: 3150:151 and 3150:152. Chemical bonds and structure of organic molecules, polymer chain structure, amorphous and crystalline morphology and structural characterization, polymerization and copolymerization, experimental demonstrations, typical solid-state and flow properties.		
321	POLYMER FLUID MECHANICS	3 credits
Prerequisite: 4600:310 or equivalent. Rheological properties and flow characteristics of polymer fluid systems; non-Newtonian viscosity, viscoelasticity.		
381	POLY MORPH FOR ENGINEERS	3 credits
Prerequisites: 3150:151, 3650:292, 4600:380 or permission. Fundamental understanding of solid structure, crystallography and morphology, processed polymers, co-polymers and their blends.		
422	POLYMER PROCESSING	3 credits
Prerequisites: 321 and 4600:315 or equivalent. Polymer processing technology. Basic studies of flow in extrusion, molding, and other processing methods.		
425	INTRO: BLEND & COMP POLYRS	3 credits
Prerequisites: 4200:321 or 4300:341 or 4600:310 or permission. Nature of polymer blends and compounds and their applications. Preparation and technology using batch and continuous mixers, mixing mechanisms.		
427	MOLD DESIGN	3 credits
Prerequisites: 422 or permission. Molding methods to manufacture polymeric products. Machinery, materials, molds, equipment, computer-aided design.		
450	ENGR PROPERTIES OF POLYMERS	3 credits
Prerequisites: 281, 381 and 4600:336 or equivalent. Introductory course to engineering properties and processing of polymers. Analysis of mechanical tests of polymers in the glassy, rubbery, and fluid states. Product design. Concepts of rheology, rheometry and polymer processing.		
451	POLYMER ENGINEERING LAB	2 credits
Prerequisite: 321 and 4600:483. Corequisite: 422 or permission. Laboratory experiments on the rheological characterization of polymer melts, fabrication of engineering products, structural investigation of polymeric parts.		
497	HONORS PROJECT	2 credits
Prerequisite: Senior standing in the Honors Program. Individual creative project in mechanical polymer engineering, supervised by faculty member of the department. This course must be designed oriented if used in place of 4700:499.		
499	POLYMER ENGR DESIGN PROJECT	2 credits
Prerequisite: Senior standing and permission. Corequisite: 4600:400. Analysis and design of mechanical polymer systems.		

101	TOOLS FOR BIOMED ENGINEERING	3 credits
	Corequisite: 3450:149. Introduction to Biomedical Engineering. Personal computers, word processing, spreadsheets, mathematical computational software and computer aided drafting.	
111	INTRO: BIOMEDICAL ENGR DESIGN	3 credits
	Prerequisites: 101 or permission. Students will be introduced to the interdisciplinary nature of Biomedical Engineering research and design through the use of lectures, discussions, homework and design projects.	
201	BIOMED ENGR SOPHOMORE SEMINAR	1 credits
	Prerequisites: 101, sophomore standing or above. A seminar format to allow students to learn about current research and careers in Biomedical Engineering. Topics in technical communications will also be covered.	
220	BIOMEDICAL COMPUTING	3 credits
	Prerequisites: 3450:223, 4800:101 and admission to the College of Engineering. Programming in BASIC and Visual Basic for data acquisition, analysis and display. Object-oriented programming using biomedical engineering examples. High-level processing and display techniques using MATLAB.	
305	INTRO: BIOPHYSICAL MEASUREMNTS	4 credits
	Prerequisites: 4800:101, [4400:231 or 4400:307] and admission to the College of Engineering. Corequisite: 3100:202. Biomedical Engineering involves measurement of Physiological processes in living organisms. An understanding of the variety of instruments used and the limitations are introduced.	
310	MODEL & SIM OF BIOMED SYS	3 credits
	Prerequisites: 3450:335 and admission to the College of Engineering. Modeling and simulation of physiological systems and their interactions with therapeutic devices, such as the artificial kidney.	
325	DESIGN OF MEDICAL DEVICES	3 credits
	Prerequisites: Junior/senior standing in the College of Engineering, the College of Polymer Science and Engineering or the College of Arts and Sciences. Design of Medical Devices, design criteria, human factors, patient care and monitoring devices, surgical devices, bench testing and legal liability.	
360	BIOFLUID MECHANICS	3 credits
	Prerequisites: 3450:335, 3150:133, 3650:292, and 4600:203. Introduction to the fundamentals of fluid mechanics and their application to biological, cardiovascular, respiratory and other biofluid systems.	
362	TRAN FUND FOR BIOMED ENGIN	3 credits
	Prerequisite: 3450:335, 4600:203 and admission to the College of Engineering. Introductory topics in fluid, heat, and mass transfer including both integral and differential analysis as it applies to biological and biomedical systems.	
365	MECHANICS OF BIOLOG TISSUES	3 credits
	Prerequisites: 3450:335, 4300:202 and admission to the College of Engineering. The mechanical properties of musculoskeletal tissues are presented along with modeling techniques and testing procedures. Tendons, ligaments, muscles, cartilage and bone will be addressed.	
370	BIOMECH OF HUMAN MOVEMENT	3 credits
	Prerequisites: 3100:202 and 4600:203. The application of engineering mechanics and anatomy to study and analyze human movement. Lectures and in-class labs will introduce students to experimental and theoretical techniques.	
400	BIOMATERIALS	3 credits
	Prerequisite: Admission to the College of Engineering. Properties of Materials used in medicine and their interaction with biological materials will be discussed. Biocompatibility issues, material degradation, biomaterials testing will also be discussed.	
409	INTRO: BIOMED ENGINEERING RSCH	3 credits
	Application of engineering principles to local area medical research. Includes biomaterials, orthopedics, artificial organs, biostereometrics, biometrics, biological signal and image analysis, biomechanics and computers in medicine.	
420	BIOMD SIGNAL & IMAGE PROC	3 credits
	Prerequisites: 4400:163, 4400:343 and admission to the College of Engineering. Introduction to the basic problems associated with biological signal and image processing applications, and appropriate approaches to dealing with them.	
422	PHYSIOLOGICAL CONTROL SYSTEMS	3 credits
	Prerequisites: 3100:202, 3450:335. The basic techniques employed in control theory, systems analysis and model identification as they apply to physiological systems.	
430	DESIGN OF MED IMAGING SYS	3 credits
	Prerequisites: 3100:200, 3650:292, 4400:343, 4400:353, 4800:305 and admission to the College of Engineering or permission of instructor. Physical principles and engineering design of medical imaging systems, with emphasis on digital radiography, computed tomography, nuclear medicine, ultrasound and magnetic resonance.	
435	IMAGE SCIENCE	3 credits

Prerequisites: 3100:200, 3650:292, 4400:343 or by permission of instructor. Principles of image science, image performance parameters and image assessment techniques of medical imaging systems, with emphasis on digital radiography, tomographic imaging, ultrasound and magnetic resonance.

437 PHYSICS OF MEDICAL IMAGING 3 credits

Prerequisites: 3100:200, 3650:292, 4400:353, 4800:305. Physical principles of medical imaging modalities with emphasis on the properties, generation mechanisms and interaction of radiation with matter, physics of the image formation and optimization.

440 ADVANCED BIOMATERIALS 3 credits

Prerequisites: 4800:400 and admission to the College of Engineering. The interactions between biomaterials and medical devices will be analyzed with respect to their potential fractionation of biological mechanisms.

445 EXP TECH - BIOMAT TISSUE ENGR 3 credits

Prerequisite: 440. Laboratory experience that applies engineering concepts and practices to the analysis of biomaterials and tissue engineering.

450 TISSUE ENGINEERING 3 credits

Prerequisites: 4800: 400, 365, 362, and 4800: 360 or 4200:321. This course will explore topics to successfully design tissue engineered devices. For advanced engineering students with a back ground in materials, mechanics, and transport phenomena.

455 BIOTRANSPORT 3 credits

Prerequisites: 4800: 362 or 4200: 321, 4800: 220, 3100: 202. With the foundations of fluid, heat and mass transfer established, this course focuses on specific biological examples of transport phenomena.

460 EXPERMNTL TECH IN BIOMECHANICS 3 credits

Prerequisites: 3150:153, 3450:335, 3650:292, 4600:203 and admission to the College of Engineering or by permission of instructor. Principles of testing and measuring devices commonly used for biofluid and biosolid mechanics studies. Laboratories for demonstration and hands-on experience.

464 MICROFLUIDICS FOR BIOMED ENGIN 3 credits

Prerequisites: 4800: 362 or 4200: 321 or 4800: 360. This course will discuss fundamental principles of single and two phase flow of biofluids in microfluidic devices, and present the applications of lab-on-a-chip systems in BME.

470 HUMAN FACTORS ENGINEERING 3 credits

Prerequisite: Admission to the College of Engineering. Reliability and human error, human capabilities and limitations, crew protection, display systems, controls and controlling actions, interface design principles, risk management, Safety and accident prevention.

485 ST: BIOMEDICAL ENGINEERING 1-3 credits

Prerequisite: permission of advisor. Directed individual or group research or study in the student's field of interest. Topic subject to approval of advisor.

491 BIOMEDICAL ENGR DESIGN I 2 credits

Prerequisite: 4800:111 and admission to the College of Engineering. Corequisite: 4800:305. The design process will be further discussed utilizing case studies and detailed biomedical engineering design projects.

492 BIOMEDICAL ENGR DESIGN II 2 credits

Prerequisites: 4800:491 and admission to the College of Engineering. The design process will be further discussed utilizing detailed biomedical engineering design projects. Projects will be required to be interdisciplinary in nature.

498 INTRODUCTION TO BME RESEARCH 2 credits

Prerequisites: permission of instructor. Directed individual or group study in research in biomedical engineering. Course is credit/no credit. May not be repeated.

499 BME RESEARCH PROJECT 1-3 credits

Prerequisites: 4800:498, permission of instructor. Directed individual or group study in research in biomedical engineering. May be repeated.

165	TOOLS FOR AEROSPACE SYS ENGR	2 credits
Prerequisite: Permission. Corequisite: 3450:149. Computer applications, spreadsheets, CAD software, MATLAB, and introduction to aerospace engineering program and curriculum; outside speakers; project involving design and construction of small RC aircraft.		
166	AEROSPACE SYSTEMS PROJECT MGMT	1 credits
Prerequisite: 165. Teamwork and project planning; semester project involving continuation of design and construction of small RC aircraft in conjunction with SAE Aero Design.		
240	AEROSPACE SYSTEMS ENGR I	3 credits
Prerequisite: 3450:223. An introductory systems course focusing on systems thinking, systems engineering tools, reliability, life-cycle analysis and statistics.		
320	AEROSPACE SYSTEMS ENGR II	3 credits
Prerequisites: 4600:340, 4900:240 and admission to the College of Engineering. An extended study of systems topics including linear programming, optimization, decision making, critical path scheduling, and verification.		
336	AEROSPACE STRUCTURES	3 credits
Prerequisites: 4300:202, 3450:335. Basic theory and methods for analysis and design of aerostructures are covered. Topics include torsion, shear flow, buckling, fracture, and fatigue of beams and plates.		
340	AVIONICS I	3 credits
Prerequisites: 4400:307 and admission to the College of Engineering. Electronics for aircraft applications. Amplifiers, filters, regulators, current sources, buffers, sensor and actuator circuits, transmitters, and receivers.		
380	AEROSPACE MATERIALS	3 credits
Prerequisites: 3150:151, 3150:152, 4300:202 and admission to the College of Engineering or permission. Theory in science and application of materials for aerospace structures, macroscopic behavior of materials, order and disorder in mechanical behavior, evaluating and quantifying mechanical response.		
420	OBJECT ORIENTED DESIGN & MGMT	3 credits
Prerequisites: 4900:320 and admission to the College of Engineering. An introduction to the area of object-oriented design and management of systems, including abstraction, inheritance, polymorphism, dynamic interactions, hierarchies, patterns, reflection, and distributed objects.		
440	AVIONICS II	3 credits
Prerequisites: 4600:412, 4900:340 and admission to the College of Engineering. Communication and control for aircraft applications. Fourier analysis, AM and FM principles, modulators demodulators, communication systems. aircraft system dynamics, classical control system principles and applications.		
450	AEROSPACE COMPUTATIONS	3 credits
Prerequisites: 4300:202, 4600:315, 4600:360, 4600:411 and admission to the College of Engineering or permission of instructor. Introduction to finite element and finite volume methods in aerospace engineering; fundamental principles of FEM and FVM discussed and illustrated through structural, and aerodynamic applications.		
460	AEROSPACE SYSTEM MANUFACTURING	3 credits
Prerequisites: 4600:360 or equivalent and admission to the College of Engineering or permission of instructor. Using computer systems to assist in creation, modification, analysis, or optimization of engineering designs, planning, management and control of manufacturing, CAD software with manufacturing applications.		
490	AEROSPACE DESIGN PROJECT	2 credits
Prerequisites: Senior standing and admission to the College of Engineering or permission. Detailed senior design project. Design, feasibility and cost analysis, final design and implementation; engine, airframe and aerodynamic testing.		
497	AEROSPACE HONORS PROJECT	2 credits
Prerequisite: Senior standing in Honors College or permission. Individual creative project in Aerospace Systems, supervised by faculty member of the department. Includes design, feasibility and cost analysis, final design and implementation.		

301 COOPERATIVE EDUCATION

0 credits

(May be repeated) For cooperative education students only. Work experience in business, industry or governmental agency. Comprehensive performance evaluation and written report required.

150	DEMOCRACY & EDUCATION	3 credits
	Based on an interdisciplinary inquiry, this course examines varied theories and practices of democratic education.	
200	INTRODUCTION TO EDUCATION	3 credits
	Prerequisite: 13-15 sem. hrs. of specific GenEd courses; FBI/BCI background checks. Introduction to the teaching profession designed to explore the purposes of schools in society and what is required to be an effective teacher today. This course will include 10 field hours of field observation in an urban setting.	
205	FUND EDUC COMPUTER SKILLS	1 credits
	Elective Course: Computer skills for education majors with little or no computer experience. Includes word processing, databases, graphics and communications. Cannot substitute for any required course.	
210	CHARACTERISTICS OF LEARNERS	3 credits
	Prerequisite: Completion of all College of Education program admission requirements; Corequisite: 211. Describe cognitive, psychosocial, physical, language, and moral development of learners Pre-K through adult. Identifies learner needs, roles of teachers and schools in fostering optimal development. (10 hours of field experience included.)	
211	TEACHING & LEARNING STRATEGIES	3 credits
	Prerequisite: Completion of all College of Education admission requirements; Corequisite: 210. From course content and activities, students will recognize, select, and practice various instructional models. Students will acquire and apply appropriate learning and motivational strategies. (10 hours of field experience included.)	
220	EDUCATIONAL PSYCHOLOGY	3 credits
	Prerequisite: 13-15 sem. hrs. of specific GenEd courses; 5100:200 (may be taken as prerequisite or corequisite); FBI/BCI background checks. Focuses on the developmental influences and characteristics of learners, and psychological principles pertaining to teaching and learning processes, motivation and self-regulation in learners.	
300	ED EQTY & EXC IN CULT PL SOCTY	3 credits
	Prerequisites: 5100:200, 220, 5500:230, 5610:225. Corequisite with or prerequisite to 5500:360. Engages teacher candidates in inquiry-based seminars and service learning that facilitate their developing pedagogical competence implementing equity and excellence in education.	
330	EARLY ADOLESCENT LEARNER	3 credits
	Study of issues in adolescent development, particularly as it relates to educational settings. Physical, cognitive, language, emotional, social, and moral development in learners 8-14 years old.	
410	PROF ISSUES IN EDUCATION	3 credits
	Prerequisites: 5500:310, 311, 320, 330. Course work applies social and philosophical foundations of education to current and historical issues in education with attention to roles and responsibilities of contemporary teachers.	
420	INTRO: INSTRUCTIONAL COMPUTING	3 credits
	Prepares the student in the use of instructional technologies in educational and business settings. Segments of the course are offered in an online format.	
430	SR HONORS PROJECT: FOUNDATIONS	1-6 credits
	(May be repeated for a total of six credits) Prerequisites: senior standing in Honors Program and permission of student's preceptor. Carefully defined individual study demonstrating originality and sustained inquiry.	
480	ST: EDUCATIONAL FOUNDATIONS	1-4 credits
	(May be repeated with a change in topic) Prerequisite: permission of instructor. Group study of special topics of critical, contemporary concern in professional education.	
490	W: EDUC FOUNDATIONS&LEADERSHIP	1-3 credits
	Individual work under staff guidance on curriculum problems, utilization of community resources, planning of curriculum units.	
491	W: EDUC FOUNDATIONS&LEADERSHIP	1-3 credits
	Individual work under staff guidance on curriculum problems, utilization of community resources, planning of curriculum units.	
492	W: EDUC FOUNDATIONS&LEADERSHIP	1-3 credits
	Individual work under staff guidance on curriculum problems, utilization of community resources, planning of curriculum units.	
494	ED INST: ED FOUNDATNS&LEADRSHP	1-4 credits
	Special course designed as in-service upgrading programs.	
497	INDEPENDENT STUDY	1-3 credits
	(May be repeated for a total of six credits) Prerequisites: permission of department head and instructor. Specific area of study determined in accordance with program and professional goals.	

100	ORIENT TO EARLY CHILDHOOD EDUC	0 credits
Corequisite: 5100:200. Orientation to the information and strategies necessary for a student to be successful in the program, including portfolio development.		
200	PRE-K PARTICIPATION I	1 credits
Prerequisite: 3760:265, 2200:245. Planned field experience in a pre-kindergarten infant/toddler classroom where students work with children age birth to 3 years both individually and in small groups.		
215	CHILD, FAMILY & SCHOOL	3 credits
Prerequisites: 5100:220, 5610:225. The purpose of this course is to learn about why we create reciprocal working relationships with parents, and methods of creating these types of relationships. (10 field/clinical hours).		
220	VISUAL ARTS CULTR-EARLY CHD	1 credits
Art education concepts, structures, and knowledge base to provide curricular opportunities for education majors to develop as creative problem solvers in an elementary school setting. First offered Fall 1993.		
250	DEV PROCESSES OF INVESTIGATION	3 credits
Prerequisites: 5050:210, 211, admission to Teacher Education Program. This course will enable students to identify and acquire those investigative and discovery processes and skills that are common in mathematics, science, and social studies.		
300	PRE-K PARTICIPATION II	1 credits
Prerequisite: 200, 5610:450 and admission to Teacher Education Program. Planned field experience in pre-kindergarten early intervention program where student works in both small and large group settings and with individual children.		
319	INTEGR EXPRES ARTS IN ERLY CHD	3 credits
Prerequisite: Admission to Teacher Education and 7100:210 or 7500:201. Use of expressive arts as a means for young children to represent their thinking and to enhance their learning of curriculum content.		
320	VISUAL ARTS APPLIC IN ELEM SCH	3 credits
Prerequisite: 5200:220. Exploration of materials, methods, processes and visual techniques relating two and three-dimensional art experiences for the teacher of elementary children.		
321	INSTR TECH: MODERN LANG K-8	3 credits
Focus on theories of language acquisition, models of instruction suited to teaching foreign languages and cultures in the elementary school (K-8), and strategies that promote appropriate levels of language proficiency and competency for young learners.		
325	EARLY CHILDHOOD PRACTICUM	3 credits
Prerequisites: 7400:265, 5200:319, 5500:245 and corequisite: 5500:370. This field-based course emphasizes developmental domains of preschool children. Candidates design appropriate activities for culturally and linguistically diverse population of typically and atypically developing children.		
331	KINDERGARTEN METHODS & MATER	4 credits
Prerequisites: 5200:330 and 3760:265. Scope and sequence of kindergarten curricula, with emphasis on developmentally appropriate methods and materials. This course is not part of the new teacher licensure program.		
334	TCHNG ART IN ELEMENTARY SCHOOL	3 credits
Prerequisite: Admission to Teacher Education Program, Art K-12. Visual arts in elementary schools. Art education concepts with studio orientation including history of art education, developmental stages, curriculum and organization, methods, evaluation and research, and practical participation.		
340	DVLP WRITING/DIGITAL LITERACIE	3 credits
Prerequisite: 5500:245; prerequisite or corequisite: 5500:370. 5610:448. This course focuses on theoretically grounded developmental writing and communication using digital literacy in the information age specifically for children age 3 to third grade.		
342	TEACHING MATH-YOUNG CHILDREN	3 credits
Prerequisites: 3450:140, 240. Prerequisite or corequisite: 5500:370. Trends in mathematics instruction in early childhood/middle level classrooms. Procedures for the development of mathematics concepts and skills.		
395	FIELD EXPERIENCE	1-3 credits
Prerequisites: permission of adviser and department head. Independent field work in area selected by student's adviser, based on student's needs.		
420	INTEGRATED PRIMARY CURRICULUM	4 credits
Prerequisite or corequisite: 5500:370. Course models an inquiry-based format that integrates math, science, social studies, and technology standards where students learn how to create, implement, manage, and evaluate student-centered learning environments. (25 hours field and 35 clinical hours).		
425	ADV INTEGRATD PRIMARY CURRICLM	4 credits

Prerequisite: Admission to teacher education program; 420. This course further explores an inquiry-based format that integrates math, science, social studies, and technology standards by having the students implement, manage, and evaluate their own and their students' learning. (25 field and 35 clinical hours).

430 HONORS RES PROJ: EARLY CHILHDH 1-6 credits

Prerequisites: Permission of student's preceptor. Carefully defined individual study demonstrating originality and sustained inquiry. (May be repeated for a total of six credits).

453 BUILD UNDER IN EARLY CHILD SET 3 credits

Prerequisites: 5500:245 and 360. Corequisite: 5610:448. This course prepares teachers to work in inclusive programs, able to meet the needs of children; exceptional, cultural and linguistic diverse, and typically.

454 INQUIRY LEARN EARLY CHILHOOD 3 credits

Prerequisites: 5610:448 and 5500:370. Pre/Corequisite: 4200:453. Anchored in the authentic work of teacher and students, this capstone methods class utilizes action research strategies in field based settings to inform teaching practice. 30 field hours and 5 clinical hours.

480 ST: ELEMENTARY EDUCATION 1-4 credits

(May be repeated with a change in topic) Prerequisite: permission of instructor. Group study of special topics of critical, contemporary concern in professional education.

490 W: ELEMENTARY EDUCATION 1-3 credits

Elective workshop for elementary education major who would pursue further refinement of teaching skills. Emphasizes demonstrations of teaching techniques and development of suitable teaching devices.

491 W: ELEMENTARY EDUCATION 1-3 credits

Elective workshop for elementary education major who would pursue further refinement of teaching skills. Emphasizes demonstrations of teaching techniques and development of suitable teaching devices.

492 W: ELEMENTARY EDUCATION 1-3 credits

Elective workshop for elementary education major who would pursue further refinement of teaching skills. Emphasizes demonstrations of teaching techniques and development of suitable teaching devices.

493 W: ELEMENTARY EDUCATION 1-3 credits

Elective workshop for elementary education major who would pursue further refinement of teaching skills. Emphasizes demonstrations of teaching techniques and development of suitable teaching devices.

495 STU TEACH: (PRE-K THROUGH K) 5 credits

Prerequisites: Approval of the Student Teaching Committee, considered based upon approved application to student teaching, passing PRAXIS II subject test, and approved portfolio. Corequisite: 498. Planned teaching experience in schools selected and supervised by Office of Field Experience.

496 STU TEACH: (GRADES 1-3) 6 credits

Prerequisites: Approval of the Student Teaching Committee, considered based upon approved application to student teaching, passing PRAXIS II subject test, and approved portfolio. Corequisite: 498. Planned teaching experience in schools selected and supervised by Office of Field Experience.

497 INDP STUDY: ELEMENTARY EDUC 1-3 credits

Prerequisites: permission of adviser and department head. Specific area of curriculum investigation pertinent to elementary education as determined by student's academic needs.

498 STUDENT TEACHING COLLOQUIUM 1 credits

Prepares students for the final phase of becoming decision makers. The colloquium will explore problems encountered in classrooms, initiate reflective practice and concepts of action research, and focus on preparation of unit outlines with emphasis on applied decision making.

499 STUDENT TEACHING: K-3 11 credits

322 Clinical Hours. Prerequisite: Approval of the Student Teaching Committee, based upon approved application to student teaching, passing PRAXIS II subject test, and approved portfolio. Co-requisite: 5200:498. Planned 16-week experience in schools selected and supervised by the Office of Field Experiences.

100	ORIENTATION TO MIDDLE LEVEL ED	0 credits
	Prerequisite: admission to Middle Level Education Program; corequisite: 5100:200. Orientation to the information and strategies necessary for a student to be successful in the program, including portfolio development.	
300	MIDDLE LEVEL EDUCATION	3 credits
	Prerequisite or corequisite: 5500:360. Reviews nature/needs of early adolescents; developmentally appropriate middle schooling; philosophy of school organizations; curriculum, pedagogy, and assessment; cultural and community contexts. 15 field hours.	
333	TCHNG SCIENCE MID LEVEL LEARNR	4 credits
	Prerequisite or corequisite: 5500:370. A methods course for the prospective teacher to develop a point of view toward science teaching and strategies for effective standards-based science teaching. (15 field hours)	
338	TCH SOC STUDIES MIDDLE CHILDHD	3 credits
	Prerequisites: 5100:300 and 5500:360. A methods course to examine the school social studies curriculum and strategies for effective teaching. (15 field hours)	
342	TEACH MATH MID LVL LEARNR	3 credits
	Prerequisite or corequisite: 5500:370. Modern strategies of psychology and methodology in middle childhood mathematics on exploratory, structural and mastery levels of learning. (15 field hours)	
350	TCH LANG ARTS & MEDIA MID LVL	3 credits
	Prerequisites: 5100:300; 5500:245, 286, 360. This course provides preservice middle grade teachers with strategies for integrating the language arts in the areas of reading, writing, speaking, listening, media and drama. (15 Field Hours)	
351	MODES OF WRITING FOR MID GRDS	3 credits
	Prerequisite: Admission to College of Education's Teacher Education Program. This course will provide middle school languages arts teachers the understandings and skills necessary to teach writing in varieties of forms and modes including newswriting.	
430	HONORS RES PROJ: MIDDLE LVL ED	1-6 credits
	(May be repeated for a total of six credits.) Prerequisites: Permission of student's preceptor. Carefully defined individual study demonstrating originality and sustained inquiry.	
480	ST: MIDDLE SCHOOL	1-3 credits
	Prerequisite: permission of instructor. (May be repeated with change of topic.) Group study of special topics in middle childhood of critical contemporary concern in professional education.	
490	W: MIDDLE LEVEL	1-3 credits
	Elective workshop for Middle Childhood majors who would like to pursue further refinement of teaching skills. Emphasis in demonstrations of teaching techniques and development.	
495	STUDENT TEACHING: GRADES 4-6	5 credits
	Planned teaching experience in schools selected and supervised by the Office of Field Experience.	
496	STUDENT TEACHING: GRADES 7-9	6 credits
	Prerequisites: Approval of the Student Teaching Committee, considered based upon approved application to student teaching, passing PRAXIS II subject test, and approved portfolio; senior status. Corequisite: 498. Planned teaching experience in schools selected and supervised by the Office of Field Experiences.	
497	INDEPENDENT STUDY	1-3 credits
	Prerequisite: permission of advisor and department head. Specific area of curriculum investigation pertinent to middle level education as determined by student's academic needs.	
498	STU TEACH COLLOQ: MID GRADES	1 credits
	Corequisite: 495 and 496. Prepares learner for final phase of becoming a decision maker. Explores problems encountered in the classroom, initiates reflective practice and concepts of other research.	
499	STU TEACH:MIDDLE LEVEL EDUC	11 credits
	Corequisite: 5250: 498. 322 Field Hours. Planned teaching experience in schools selected and supervised by the Office of Field Experiences.	

100	ORIENT:AYA/P-12 MULTI-AGE PRG	0 credits
	Prerequisite: admission to the College of Education's Teacher Education Program. Corequisite: 5100:200. Orientation to the information and strategies necessary for a student to be successful in the program, including portfolio development.	
303	GLOBAL EDUCATION & TECHNOLOGY	3 credits
	This course focuses on theories, materials, and methods for teaching global education through e-learning and web-based tools.	
316	METHODS IN TEACHING ART	3 credits
	Prerequisites: completion of required course for art teachers and grade-point average of 2.50 in the field. Study of trends and procedures in teaching and supervision; relation of art to home, school and community; observation in selected schools required.	
317	INST TECH: MOD LANG-SECONDARY	3 credits
	Focus on theories of language acquisition, models of instruction for teaching foreign languages/cultures and strategies that promote levels of proficiency/competency for adolescent learners.	
320	INTRO TO TCHNG IN CONTENT AREA	3 credits
	Prerequisite: 5500:360. This course introduces secondary teacher candidates to trends, issues, and challenges as it relates specifically to curriculum and instruction in the content areas in secondary schools.	
325	CONTENT READING IN SECD SCHOOL	3 credits
	Instructional principles and practices for helping secondary school youth and adults learn subject matter through application of reading and study skills.	
330	TCHG ADOLESCENT/MID LEVEL LIT	3 credits
	Student develops skills for selection of literature that is well-suited for adolescent/middle level children. Student develops, uses, and experiences methods for teaching adolescent/middle level literature in the classroom. (30 clinical experience hours)	
335	LANG LEARNING IN SECOND SCHLS	3 credits
	Prerequisite: Admission to the Teacher Education program. Introduces English teachers to the issues of language learning and techniques required to teach language skills.	
395	FLD EXP: SECONDARY EDUCATION	1-3 credits
	Supervised work with youngsters, individually and in groups in school and/or community settings.	
420	INST TECH: SECONDARY EDUCATION	3 credits
	Prerequisite: 5500:370; corequisite: 5300:421. Open to student who has completed certification requirements in all content fields. Techniques of planning, instruction and evaluation in various secondary teaching fields.	
421	FLD EXP: INST TECH IN SEC ED	3 credits
	Prerequisites: 5300:420 and 5300:430. Co-requisite: 5500:431. Continuation of teaching strategy and assessment implementation based on research and theory.	
430	HONORS RES PROJ: SECONDARY EDU	1-6 credits
	(May be repeated for a total of six credits) Prerequisite: Permission of student's preceptor. Carefully defined individual study demonstrating originality and sustained inquiry.	
480	ST: SECONDARY EDUCATION	1-4 credits
	(May be repeated with a change in topic) Prerequisite: permission of instructor. Group study of special topics of critical, contemporary concern in professional education.	
490	W: SECONDARY EDUCATION	1-3 credits
	Individual work under staff guidance on curriculum problems, utilization of community resources, planning of curriculum units.	
491	W: SECONDARY EDUCATION	1-3 credits
	Individual work under staff guidance on curriculum problems, utilization of community resources, planning of curriculum units.	
492	W: SECONDARY EDUCATION	1-3 credits
	Individual work under staff guidance on curriculum problems, utilization of community resources, planning of curriculum units.	
493	W: SECONDARY EDUCATION	1-3 credits
	Individual work under staff guidance on curriculum problems, utilization of community resources, planning of curriculum units.	
494	ED INST: SECONDARY EDUCATION	1-4 credits

Special courses designed as in-service upgrading programs, frequently provided with the support of national foundations.

495 STU TEACH: SECONDARY EDUCATION 6-11 credits

Prerequisites: Approval of the Student Teaching Committee, considered based upon approved application to student teaching, and passing state licensure exam(s). Planned teaching experience in schools selected and supervised by the Office of Field Experiences. Co-requisite: 5300:496.

496 STU TEACH COLLOQ IN SECOND ED 1 credits

Concurrent with Student Teaching; emphasis on applied decision making, group problem solving, and commitment to life-long learning.

497 INDEPENDENT STUDY 1-3 credits

Specific area of curriculum investigation pertinent to secondary education as determined by student's academic needs.

TECH	POSTSEC TECH ED TRANSFER WK	0-999 credits
	Postsec Tech Ed Transfer Wk - created to replace course using pseudo TECHFLDS/EXCP	
400	ADULT LEARNING	3 credits
	Describes characteristics of the adult learner and examines issues, factors, and strategies pertinent to successful facilitation of learning in a variety of training environments.	
401	LEARNING WITH TECHNOLOGY	3 credits
	Application of learning technologies to situations encountered by academic and professional learners. Addresses foundational concepts of computer literacy, ethics, security, collaboration, and learning design.	
413	INSTRUCTIONAL DESGN PROFESSION	3 credits
	Examination of the Instructional Design profession, its history, trends, issues and impact on Instruction Design's future. Research on best practice in the field are explored.	
415	TALENT DEVELOPMENT & TRAINING	3 credits
	Prerequisites: 401 or permission from instructor. Examine the training function within talent development from a global perspective. Explore best practices for today's workforce. Identify emerging trends and training solutions.	
420	ELEARNING BY DESIGN	3 credits
	Experiences in using, developing and evaluating learning technologies and media used for instructional design and training.	
430	PROGRAM PLANNING	3 credits
	Process of program planning and evaluation for instructional design and training for a variety of adult learning organizations.	
435	SYS INST DESIGN IN POSTSEC ED	3 credits
	Prerequisites or corequisites: 401, 420, 430, admission to program, or permission of instructor. Examination of instructional design models with particular emphasis of the ADDIE model. Study of applications to Instructional Design Technology.	
475	INSTRUCTIONAL DELIVERY	3 credits
	Prerequisite: Permission of department. Implementation of instructional design principals in the proposal, design, development, implementation, assessment and evaluation (ADDIE) of eLearning and other delivery of training courses.	
480	GLOBALLY DIVERSE WORKFORCE	3 credits
	Study of cultural pluralism and disability in the workplace and the best practices, as related to training in adult learning organizations.	
481	ST: TECHNICAL EDUCATION	1-4 credits
	See department for course description.	
490	W: TECHNICAL EDUCATION	1-3 credits
	Individual work under staff guidance on curriculum problems, utilization of community resources, planning of curriculum units. Delivered in a totally on-line format and face to face format with web enhancements.	
495	POSTSEC EDUCATION PRACTICUM	3 credits
	Prerequisites: 400, 401, 405, 415, 420, 430, 435, and admission to the Postsecondary Technical Education program with a C or better in each 5400 course and a 2.5 or better overall GPA in 5400 courses, and an overall GPA of 2.5 or better. Directed instruction under the supervision of directing instructor and university supervisor, and development of instructional portfolio.	
497	INDP STUDY: TECHNICAL EDUC	1-3 credits
	Area of study determined by student's need.	

223	URBAN YOUTH MENTORING	3 credits
	Urban youth mentoring and mentorship theory and practice in school-based settings; including the completion of 30 hours of urban mentorship field experience.	
230	EDUCATIONAL TECHNOLOGY	3 credits
	Prerequisite: 13-15 sem. hrs. with a 'C' or better in specific GenEd courses; 5100:200 (may be taken as prerequisite or corequisite); FBI/BCI background checks. Effectively identifying, locating, evaluating, designing, preparing, and efficiently using educational technology as instructional resource in the classroom to support learning and teaching.	
240	FOUNDATIONS OF LITERACY	3 credits
	Focus on building blocks of teaching children how to read with an emphasis on literacy development and an emphasis on research-based components of reading instruction.	
241	WORD STUDY, PHONICS & SPELLING	3 credits
	Prerequisite: 5500:240. Candidates will explore a variety of genres, types of texts, resources, and instructional strategies to maximize students' comprehension, fluency, and vocabulary growth.	
245	UNDRSTND LIT DEVLPMNT & PHONICS	3 credits
	Prerequisite: admission to Teacher Preparation Program. Children's literacy development is explored through an integrated instructional model, with emphasis on the role of comprehension, phonics, and functional spelling in language learning. (10 hours of service learning)	
251	TEACHING PERSNL FIN PK-12	3 credits
	Teacher candidates learn best practices in planning and implementing standards-based personal finance and economic instruction.	
286	TEACHING MULTIPLE TEXTS	3 credits
	Prerequisite: 5500:240. Candidates will explore a variety of genres, types of texts, resources, and instructional strategies to maximize students' comprehension, fluency, and vocabulary growth.	
308	INSTRUCTIONAL DESIGN/ASSESSMNT	6 credits
	Prerequisites: 5100:220 and 5610:225. Theoretical and practical foundations for standards-based instruction and assessment; including instructional design, assessment development, and classroom practice for all learners in diverse and inclusive settings.	
310	INSTRUCTIONAL DESIGN	3 credits
	Prerequisite: 5100:210, 5100:211; Corequisite: 311. Design and teach lessons using instructional models, strategies, and resources for students with different characteristics and design appropriate assessments to measure content mastery.	
311	INSTRUCTIONAL RESOURCES	3 credits
	Prerequisites: 5100:210, 5100:211; Corequisite: 310. Examines existing and developing media, technological, human and environmental resources as they relate to learning. Includes identifying, locating, evaluating, using, designing, and preparing educational resources.	
320	DIVERSITY IN LEARNERS	3 credits
	Prerequisites: 5100:210, 5100:211. Students learn to appreciate common core culture, the diversity in the student population and the democratic ideal of equal access to educational opportunity. (10 hours of field experience included.)	
330	CLASSROOM MANAGEMENT	3 credits
	Prerequisites: 5100:210, 5100:211. Content regarding effective organization of the classroom as well as procedures and models for mediation of student behaviors will be presented.	
341	LAB PRACTICUM IN READING	3 credits
	Prerequisite: 445. Laboratory experience with classroom, small groups and individual situations. A student diagnoses, implements procedures and follows prescribed reading improvement practices. (25.5 field hours)	
352	TCHNG MATH TO INCL EARLY CHILD	3 credits
	Pre-requisite: 5500:370. To examine and to know the standards-based mathematics curriculum and the instruction appropriate for inclusive early childhood ecologies.	
360	ED PLAN: INST,ASSESS & CLS MGT	3 credits
	Prerequisites: 230, 5100:200, 220; 5610:225; prerequisite or corequisite: 5100:300. Theoretical foundations for standards-based thematic units and lesson plans, classroom assessment and organization, including procedures and models for mediating student behavior and classroom management.	
370	ED IMP: INST,ASSESSMT, CLS MGT	3 credits
	Prerequisites: 360, 5100:300. Interpretation and application of standards-based thematic units and lesson plans; classroom assessment and organization, including mediation of student behaviors and classroom management.	
430	CLINICAL TEACHING I	3 credits

Prerequisite: 5500:360. Corequisite: 5300:420. Observe and apply education methodologies and theories in a school/classroom field-based environment. (50 clinical hours)

431 CLINICAL TEACHING II 3 credits

Prerequisites: 5300:420 and 5500:430. Corequisite: 5300:421. Course following Clinical Teaching I - Apply education methodologies and theories in a classroom environment in a full-time school environment. (640 clinical hours)

439 ENGINEERING FOR EDUCATORS 0 credits

Prerequisite: 5500:360. Engineering design concepts and their applications course for teachers/teacher candidates. Students will engage in engineering problem solving activities and design lesson plans that address science and engineering practices. (Next Generation Science Standards)

440 LITERACY IN THE CONTENT AREAS 3 credits

Prerequisite: 5500:308. Prepare candidates to understand issues and use methods and materials to promote disciplinary literacy in middle and secondary classrooms (20 hours clinical).

442 TCHG RDG CULTR DIVERS LEARNERS 3 credits

Prerequisites: 245, 286. The course is designed to provide students with knowledge, skills, and attitudes that will enable employment of effective methods of teaching reading to culturally different learners and/or learners whose language patterns are nonstandard.

445 ASSESSMENT AND INSTRUCTION LIT 3 credits

Prerequisites: 5500:240, 5500:241, and [5500:286 or 5500:480]. This course explores the assessment of students' progress in language literacy. Formal and informal instruments identifying progress in reading, writing, speaking, and listening are examined.

450 NATURE, HSTRY & PHLSPHY OF SCI 3 credits

(May be repeated with a change in topic). Provides opportunities to examine the historical and philosophical perspectives of science in an online medium and the impact of science and technology on society.

455 LITERACY FOR MULTIAGE LICENSUR 3 credits

Prerequisite: Admission to Teacher Education Program. Organizing instruction, use of oral language development protocols, strategies for word skill development, comprehension and assessment as they relate to content areas.

456 SCAFF LANG/CONT LEARN ENGL LEA 3 credits

Prerequisite: 3300:473. This course prepares students to use quality, research-based sheltered instruction for improving teaching effectiveness and accelerating academic achievement for English learners.

458 INCLUSIVE FIELD EXPERIENCE 1 credits

Corequisite: 5610:457. In this inclusive field experience, teacher candidates explore the challenges and best practices in providing quality educational services for all learners. (20 field hours)

475 INSTRUCTIONAL TECHNOLOGY APPL 3 credits

Prerequisite: 5500:230 and 5500:360. Focus on developing learner competencies in the use of instructional technologies to enhance both the instructor's personal and professional productivity.

480 ST: CURRICULUM & INSTRUCTION 1-6 credits

Group study of special topics of critical, contemporary concern in professional education. (May be repeated with a change in topic)

484 PRINC: BILINGUAL/MULTICULT ED 3 credits

An introduction to the theoretic, cultural, sociolinguistic bases of bilingual/multicultural education. Legislation, court decisions, program implementation included.

485 TCHING LITERACY TO ENGL LEARN 3 credits

Prerequisite: Admission to the College of Education. Course applies methodologies for teaching literacy to English learners, assessment of literacy skills and development of materials. 12 field hours of field experience are required.

486 TCH MATH,SOC STD&SCI-BIL STDS 3 credits

Prerequisites: Completion of all age-appropriate methods courses. Course applies methodologies for teaching mathematics, science, social studies in the bilingual/multicultural classroom. The bilingual student's native language stressed.

487 TECH TCHG ESL 3 credits

Course includes teaching language skills to Limited English Proficient students in grades K-12, administration of language assessment tests, selection and evaluation of materials. (10 field hours)

488 PRACT: TEACH ENGL AS A SEC LAN 2 credits

Prerequisites: 485, 487. A practical experience in which teacher candidates observe, participate, and practice teaching in an ESL classroom under the supervision of an experienced, certified/licensed teacher.

490 W: CURRICULUM & INSTRUCTION 1-3 credits

Emphasizes development of teaching devices and/or curriculum units, demonstration of teaching techniques.

491 W: CURRICULUM & INSTRUCTION 1-3 credits

Emphasizes development of teaching devices and/or curriculum units, demonstration of teaching techniques.

492 W: CURRICULUM & INSTRUCTION 1-3 credits

Emphasizes development of teaching devices and/or curriculum units, demonstration of teaching techniques.

497 INDEPENDENT STUDY 1-3 credits

Prerequisite: permission of advisor and department chair. Specific area of curriculum investigation pertinent to the general curriculum and instruction area as determined by student's academic needs.

401	INTRODUCTION TO SUICIDOLOGY	3 credits
Introduction to Suicidology covers a broad range of issues related to suicide from global, U.S. national, state and local perspectives.		
410	PERSONNEL SERVICES IN SCHOOL	2 credits
Prerequisite: senior standing. Introduction to background, role and function, techniques, community agencies and issues in personnel field. For student considering pupil personnel fields, social work.		
415	MENTAL ILLNESS & MEDIA	2 credits
Mental illness is often portrayed negatively the media. This course focuses on mental illness, stigma, and how movies portray specific mental disorders.		
426	CAREER EDUCATION	2 credits
Prerequisite: junior, senior or graduate standing. Examination of current career education models and programs with emphasis on infusion of career education activities into elementary and secondary curriculum.		
436	HELPING SKILLS RESIDENT ASSTS	2 credits
(Credit/noncredit) Prerequisite: open to resident assistants in University housing. A course designed to help student personnel workers become more effective in professional role.		
450	CNSL PROB LF-THREAT ILLNES&DTH	3 credits
Prerequisite: permission. Consideration of the global issues, current research, coping behavior, support systems and family and individual needs in regard to life-threatening situations.		
480	ST: EDUC GUIDANCE & COUNSELING	1-4 credits
(May be repeated with a change in topic) Prerequisite: permission of instructor. Group study of special topics of critical, contemporary concern in professional education.		
490	W: EDUCATIONAL GUIDANCE & COUN	1-3 credits
Special instruction designed as in-service and/or upgrading individuals on current issues and practices in counseling.		
491	W: EDUCATIONAL GUIDANCE & COUN	1-3 credits
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492	W: EDUCATIONAL GUIDANCE & COUN	1-3 credits
Special instruction designed as in-service and/or upgrading individuals on current issues and practices in counseling.		
493	W: EDUCATIONAL GUIDANCE & COUN	1-4 credits
Special instruction designed as in-service and/or upgrading individuals on current issues and practices in counseling.		
494	COUNSELING INSTITUTE	1-4 credits
In-service programs for counselors and other helping professionals.		

100	ORIENT TO INTERVENT SPECIALIST	0 credits
	Prerequisite: admission to Intervention Specialist teacher education program; corequisite: 5100:200. Orientation to the information and strategies necessary for a student to be successful in the program, including portfolio development.	
206	SP: GIFTED	1 credits
225	INTRO: EXCEPTIONALITIES	3 credits
	Prerequisite: 13-15 sem. hrs. with a 'C' or better in specific GenEd courses; 5100:200 (may be taken as prerequisite or corequisite); FBI/BCI background checks. Survey course covering the identification, developmental characteristics and intervention strategies for children and youth with exceptionalities across educational and community settings.	
380	MATH METHODS: SPEC EDUCATION	3 credits
	Prerequisite: Admission to the Teacher Education Program. Ensure the understanding of mathematics and to promote the prospective special education teacher's confidence in his/her own ability to teach mathematics.	
395	FIELD EXP: SPECIAL EDUCATION	1-3 credits
	Supervised work with youngsters, individually and in groups in school and/or community settings.	
403	STU TEACH COLLOQ: SPECIAL EDUC	1 credits
	An examination of problems, issues, and practices encountered during the student teaching experience.	
430	HONORS RES PROJ: SPECIAL EDUC	1-6 credits
	(May be repeated for a total of six credits) Prerequisite: Permission of student's preceptor. Carefully defined individual study demonstrating originality and sustained inquiry.	
439	COLLAB W/FAMILIES AND PROFESS	3 credits
	This course prepares early childhood professionals for engaging in collaborative home/school consultation and teamwork in serving the educational needs of young children.	
440	DEV CHARACT OF EXCEPTNL INDIV	3 credits
	Prerequisite: Admission to a College of Education Teacher Preparation Program or permission of the instructor. A survey course covering the identification, developmental characteristics, and intervention strategies for exceptional children and youth across education and community settings. (1 field hour)	
444	DEV CHAR INTELLECT GIFTD INDV	3 credits
	See department for course description.	
447	INDV-MLD/MOD ED NEEDS:CH & IMP	4 credits
	Prerequisite: 225. Survey of the etiology, identification, classification, developmental characteristics of, and intervention strategies for individuals with mild/moderate educational needs.	
448	INDV-MOD/INT ED NEEDS:CH & IMP	3 credits
	Prerequisite: 5610:225. Survey of the etiology, identification, classification, and developmental characteristics of individuals with moderate/intensive educational needs.	
450	SPEC ED PROG: EARLY CHILDHOOD	3 credits
	Prerequisites: 225, 447 or 448. Developmental patterns of young children with disabilities and developmentally/exceptionally appropriate practices with respect to programming and adaptations. (20 field hours)	
451	SPEC ED PROG: MILD/MODERATE I	3 credits
	Prerequisites: 225, 447. Educational implications regarding assessment, teaching strategies, and adaptive materials necessary to meet the needs of school age students with mild/moderate educational needs. (20 field hours)	
452	SPEC ED PROG: SECD/TRANSITION	3 credits
	Study of diagnostic prescriptive service delivery systems designed to accommodate developmental patterns of secondary-level students with exceptionalities. (20 field hours)	
453	SPEC ED PROG: MOD/INTENSIVE I	3 credits
	Prerequisite: 5610:448. Development of the programming strategies including assessment, inter/transdisciplinary models, family involvement, IFSP/IEP/IP development, instructional practices based upon legal/ethical principles for individuals with moderate/intensive educational needs.	
454	SPEC ED PROG: MOD/INTENSIVE II	3 credits
	Prerequisites: 5610:448 and 5610:453. Advanced program for providing educational planning and intervention for individuals with moderate to intensive educational needs. Focus is on developing a comprehensive educational program which will facilitate optimum functioning and independence. (20 field hours)	
456	INCLUSIVE FIELD EXP: MOD/INT	1 credits
	Corequisite: 5610:454. In this 50-hour inclusive field experience, teacher candidates explore the challenges and best practices in providing quality educational services for all learners.	
457	SPEC ED PROG: MILD/MODERATE II	4 credits

Corequisite: 5610:458. Special educational implications regarding assessment, teaching strategies, and adaptive materials necessary to meet the needs of school age students with mild/moderate educational needs.

459 COLL & CONSULT:SCH & COMM 3 credits

Prerequisite: 225. Provides professional educators/intervention specialists with skills in collaboration and consultation for working with parents of exceptional individuals and other professionals within school/community settings.

460 FAMILY DYN & COMM IN EDUC PROC 3 credits

Prerequisite: 225. A study of family theory and structure along with beginning techniques for working with families of students with exceptionalities, in educational and community settings.

461 SP ED PRG: ERLY CHLDHD MOD/INT 3 credits

Prerequisites: 440, 448. Developmental patterns of young children with moderate/intensive needs (ages 3-8) and developmentally appropriate practices in programming and adaptations. (20 field hours)

462 COLLABORATION W/FAML/PROFESSIO 3 credits

Prerequisite: 5610:225. This course provides pre-service teacher candidates with the knowledge, skills, and dispositions in communication, collaboration and team processes that facilitate a collaborative culture in schools.

463 ASSESSMENT IN SPECIAL EDUC 3 credits

Prerequisite: 225. Prepares student to select, administer and interpret formal and informal assessment procedures and use resulting data in planning educational programs for exceptional individuals.

464 ASSESS&EVAL ERLY CHLDH SPEC ED 3 credits

Prerequisites: 225, 448. The assessment of children three to eight and their environment who are at risk for disabilities or currently in special education.

467 MGMT STRATEGIES IN SPEC EDUC 3 credits

Prerequisite: 225. Content emphasizing the development of application strategies with a variety of behavior management models to mediation of behaviors with exceptional individuals.

469 INCL EDUC FOR ENGL LEARNERS 2 credits

This class prepares teachers to use evidence based strategies, accommodations, and instruction to enhance the curriculum for the English Learners with special education needs.

470 CLINICAL PRACT IN SPECIAL EDUC 3 credits

Prerequisite: Permission; Corequisites: 5610:403 and [5610:486 or 5610:487]. Provides a pre-student teaching experience for students in the areas of assessment, program planning, instructional planning and presentation, classroom management, adaptations, and collaboration with parents and other educational professionals.

479 SEM: INVIT STDS IN SPECIAL ED 1-2 credits

(May be repeated for a total of four credits) Topical study with a varied array of disciplinary input. Staffing will be invited members of allied and contributing professions active in management of exceptional children.

485 STU TEACH: EARLY CHLDHD INT SP 11 credits

Prerequisites: Approval of the Student Teaching Committee, based upon approved application to student teaching, passing PRAXIS II subject test, and approved portfolio. Corequisite: 403. Planned teaching experience in schools selected and supervised by the Office of Field Experience.

486 STU TEACH: MILD/MOD EDUC NEEDS 9 credits

Prerequisites: Approval of the Student Teaching Committee, considered based upon approved application to student teaching, passing PRAXIS II subject test, and approved portfolio. Corequisite: 403. Planned teaching experience in schools selected and supervised by the Office of Field Experience.

487 STU TEACH: MOD/INT EDUC NEEDS 11 credits

Prerequisites: Approval of the Student Teaching Committee, considered based upon approved application to student teaching, passing PRAXIS II subject test, and approved portfolio. Corequisites: 403 and 470. Planning teaching experience in schools selected and supervised by the office of Field Experience.

488 STU TCHG: EARLY CHLD/EARLY INT 6 credits

Approval of the Student Teaching Committee, based upon approved application to student teaching, passing PRAXIS II subject test, and approved portfolio. Corequisites: 5200:495, 5610:403, 5610:470. Planned teaching experience in schools selected and supervised by the Office of Field Experience.

490 W: SPECIAL EDUCATION 1-3 credits

(May be repeated for a total of six credits) Designed to explore special topics in in-service or preservice education on a needs basis.

491 W: SPECIAL EDUCATION 1-3 credits

(May be repeated for a total of six credits) Designed to explore special topics in in-service or preservice education on a needs basis.

492	W: SPECIAL EDUCATION	1-3 credits
(May be repeated for a total of six credits) Designed to explore special topics in in-service or preservice education on a needs basis.		
493	W: SPECIAL EDUCATION	1-3 credits
(May be repeated for a total of six credits) Designed to explore special topics in in-service or preservice education on a needs basis.		
497	INDP STUDY: SPECIAL EDUCATION	1-3 credits
Specific area of investigation determined in accordance with student's needs.		

490 W: SCHOOL PSYCHOLOGY 1-2 credits

Prerequisite: permission of instructor. Opportune topical experience provided periodically as needed and/or as resources become available.

491 W: SCHOOL PSYCHOLOGY 1-3 credits

Prerequisite: permission of instructor. Opportune topical experience provided periodically as needed and/or as resources become available.

492 W: SCHOOL PSYCHOLOGY 1-3 credits

Prerequisite: permission of instructor. Opportune topical experience provided periodically as needed and/or as resources become available.

494 SCHOOL PSYCHOLOGY INSTITUTES 1-4 credits

Prerequisite: permission of instructor. Specifically designed learning experience for program graduate focusing on critical topics.

492 W: READING

1-3 credits

Individual work under staff guidance on curriculum problems; utilization of community resources; planning of curriculum units.

493 W: EXCEPTIONAL CHILDREN

1-3 credits

Individual work under staff guidance on curriculum problems; utilization of community resources; planning of curriculum units.

494 INTERNATIONAL SCHOOL STUDY

3-6 credits

On-the-scene study of education in foreign countries, usually by concentrating on the study of schools in one restricted geographical area.

100	INTRODUCTION TO ECONOMICS	3 credits
	May not be substituted for 200, 201, 244. Economics primarily concerned in a broad social science context. Adequate amount of basic theory introduced. Cannot be used to satisfy major or minor requirements in economics.	
200	PRINCIPLES OF MICROECONOMICS	3 credits
	Analysis of behavior of the firm and household, and their impact on resource allocation, output and market price. No credit if 244 already taken.	
201	PRINCIPLES OF MACROECONOMICS	3 credits
	Prerequisite: 200. Study of the economic factors which affect the price level, national income, employment, economic growth. No credit if 244 already taken.	
226	COMPUTER SKILLS FOR ECON ANALYS	3 credits
	Prerequisites: 100 or 200 or 244. Application of word processing, spreadsheets, presentation packages, SAS, the Internet, library resources, and other computer tools in communicating economic analysis.	
230	ECON OF SOCIAL POLICY ISSUES	3 credits
	Prerequisite: 100, or 200 and 201, or 244 or permission of the instructor. Investigation of selected labor and social policy issues. Examples include health care, economic demography, anti-poverty programs, immigration, discrimination, and the impact of unemployment and inflation.	
244	INTRODUCTION ECONOMIC ANALYSIS	3 credits
	Recommended for engineering and mathematical science majors. Intensive introduction to analysis of modern industrial society and formulation of economic policy. Structure of economic theory and its relation to economic reality. No credit to a student who has completed 200, 201.	
310	MANAGERIAL ECONOMICS	3 credits
	Prerequisites: 200 or 244, 3470:261, 3470:262. Application of economic analysis to management problems; the organization of enterprises and the allocation of their resources; decision making under uncertainty; strategic behavior.	
330	LABOR PROBLEMS	3 credits
	Prerequisites: 200 or 201 or 244. Labor economics, principles and public policy. Study of structure of labor market and impact unions have on labor management relations.	
333	LABOR ECONOMICS	3 credits
	Prerequisite: 200 or 244. Theoretical tools used in analysis of problems of labor in any modern economic system. Emphasis given to examination of determinants of demand for and supply of labor.	
360	INDUSTRL ORGAN & PUBLIC POLICY	3 credits
	Prerequisites: 200 or 244. Role of industrial structure and firm conduct in performance of industry and way in which antitrust policy is designed to provide remedies where performance is unsatisfactory.	
380	MONEY & BANKING	3 credits
	Prerequisite: 201. Institutions of money, banking and credit, monetary expansion and contraction, public policies affecting this process, development of our money and banking system.	
385	ECON NATURAL RESOURCES & ENVIR	3 credits
	Prerequisites: 100 or 200 or 244 or permission. Introduction to economic analysis of use of natural resources and economics of environment. Problems of water and air pollution, natural environments, natural resource scarcity, conservation, economic growth.	
400	INTERMEDIATE MACROECONOMICS	3 credits
	Prerequisites: 201 and 3450:145 or equivalent. Changes in national income, production, employment, price levels, long-range economic growth, short-term fluctuations of economic activity.	
405	ECONOMICS OF THE PUBLIC SECTOR	3 credits
	Prerequisites: 200 and 201, or 244. Considers nature and scope of government activity, rationale for government intervention, problems of public choice, taxation and revenue-raising, cost-benefit analysis, program development and evaluation.	
406	STATE & LOCAL PUBLIC FINANCE	3 credits
	Prerequisite: 410; recommended: 405. Examines economic rationale and problems for provision of goods and services by different governmental units. Considers alternative revenue sources and special topics.	
410	INTERMEDIATE MICROECONOMICS	3 credits
	Prerequisites: 200 or 244, and 3450:145 or equivalent. Advanced analysis of consumer demand, production costs, market structures, determinants of factor income.	
415	COST-BENEFIT ANALYSIS	3 credits

Prerequisites: 200 and 201 or 244 or permission of instructor. Introduction to tool for public project evaluation. Includes development of analytical framework and methods of determining benefits and costs over time. Stresses application of techniques.

423 APPLIED GAME THEORY 3 credits

Prerequisite: 200. Application of the basic concepts of game theory (analysis of strategic behavior) to relevant economics issues including bargaining, cartels, voting, conflict resolution and non-competitive pricing.

426 APPLIED ECONOMETRICS 3 credits

Prerequisite: 200 and 201 or 244; 3470:261, 262. Application of regression analysis to economic and social sciences data. Discusses typical problems from applied research, including estimation technique, hypothesis testing, and modeling framework.

427 ECONOMIC FORECASTING 3 credits

Prerequisite: 200 and 201 or 244; 3470:261, and 262. Methods for building, identifying, fitting and checking dynamic economic models and use of these models for forecasting. Emphasis on application of available computer software systems.

430 LABOR MARKET & SOCIAL POLICY 3 credits

Prerequisite: 200 and 201 or 244 or permission of instructor. Intensive study of current labor and social policy issues (e.g., discrimination, poverty, migration, education, demographic and labor market changes, impact of international trade on employment).

432 ECON & PRACT COLLECT BARGAIN 3 credits

Prerequisite: 200 or 244. Principles and organization of collective bargaining, collective bargaining agreements, issues presented in labor disputes and settlements, union status and security, wage scales, technological change, production standards, etc.

434 LABOR MARKET ANALYSIS & EVAL 3 credits

Prerequisites: 410, 426, 430. Applied labor market research using specialized techniques. Employment, health, education, and other current policy issues and programs analyzed and evaluated. Original research project required.

436 HEALTH ECONOMICS 3 credits

Prerequisites: 100 or 200 or 244 or permission of instructor for 436. Economic analysis of health care. Stresses health policy issues, includes study of demand and supply of medical services and insurance, analysis of health care industries.

438 ECONOMICS OF SPORTS 3 credits

Prerequisites: 100 or 200 or 244 or permission of instructor. Sports franchises as profit maximizing firms; costs and benefits of a franchise to a city; labor markets in professional sports; the economics of college sports.

440 ST: ECONOMICS 3 credits

Prerequisite: permission. Opportunity to study special topics and current issues in economics.

460 ECON OF DEVELOPING COUNTRIES 3 credits

Prerequisites: 200 and 201, or 244. Basic problems in economic development. Theories of economic development, issues of political economy and institutions. Topics include poverty, population, migration, employment, finance, international trade and environment.

461 PRINC INTERNATIONAL ECONOMICS 3 credits

Prerequisites: 200 and 201, or 244; or permission of the Economics department. International trade and foreign exchange, policies of free and controlled trade, international monetary problems.

475 DEVELOPMNT OF ECONOMIC THOUGHT 3 credits

Prerequisites: 200 and 201, or 244; or permission of the Economics department. Evolution of theory and method, relation of ideas of economists contemporary to conditions.

481 MONETARY & BANKING POLICY 3 credits

Prerequisites: 380, 400; or permission of the Economics department. Control over currency and credit, policies of control by central banks and governments, United States Treasury and Federal Reserve System.

487 URBAN ECON: THEORY & POLICY 3 credits

Prerequisite: 200 and 201 or 244 or permission of instructor. Analysis of urban issues from an economic perspective. Emphasis on urban growth, land-use patterns, housing, income distribution, poverty and urban fiscal policy.

490 INDIVIDUAL STUDY IN ECONOMICS 1-3 credits

(May be repeated for a total of six credits) Prerequisite: permission of instructor. Independent study in economics under supervision and evaluation of selected faculty member.

491 W: ECONOMICS 1-3 credits

(May be repeated) Prerequisite: permission of the Economics department. Group studies of special topics in economics. May not be used to meet undergraduate or graduate major requirements in economics. May be used for elective credit only.

495 INTERNSHIP IN ECONOMICS

1-3 credits

Prerequisites: 200, 201 and at least three additional courses in economics at the 300- or 400-level. Supervised placement in appropriate position in public or private sector organizations. Reports and written assignments required.

496 SENIOR PROJECT IN ECONOMICS

2 credits

Prerequisites: 400, 410, 426. Corequisites: 405 or 423 or 430 or 460 or 461 or 475 or 481 or 487. Taken concurrently with or following a 400-level field Economics course. Involves independent out-of-class work on a project designed in consultation with the designated 400-level course instructor.

497 HONORS PROJECT IN ECONOMICS

1-3 credits

(May be repeated for a total of six credits) Prerequisite: senior standing in Honors College. Individual senior honors thesis on a creative project relevant to economics, approved and supervised by faculty member of the department.

301 COOPERATIVE EDUCATION

0 credits

(May be repeated) For cooperative education students only. Work experience in business, industry, or governmental agency. Comprehensive performance evaluation and written report required.

100	CAREER PLANNING IN BUSN ADMN	1 credits
	Examines the academic, professional, and personal skills required for a successful business career. Develops student career plan. Provides exposure to the variety of career opportunities available in public and private sector organizations.	
101	BUS ISSUES IN A CONNECTED WRLD	3 credits
	An introductory course that examines the 'forces' that are changing how business will be conducted in the 21st century, the 'factors' that determine the success of firms and the impact of both on individuals as consumers and professionals.	
110	CBA SUCCESS SEMINAR	1-3 credits
	This course is designed to help new CBA students transition from high school or work to the college environment and begin the career development process.	
200	PERSONAL LEADERSHIP SKILLS	1 credits
	Prerequisite: Must have completed 32 credit hours. An introductory course that will expose students to leadership theory and practice in organizations. Students will have an opportunity to self-reflect and investigate leadership styles, ethical issues and influence methods.	
201	INTRODUCTION TO E-BUSINESS	3 credits
	Prerequisite: 24 credits. Provides a broad overview of e-business strategies, products and technologies. Discusses transformation of marketing, production and other business functions; and related legal, political, ethical and cultural issues.	
220	GLOBAL CULT AND BUSN FIELD EXP	1-3 credits
	Prerequisite: 30 credits or permission of instructor. Students travel on faculty led trips and study international business practices. Global business practices are examined and aspects of local culture are explored.	
230	BUSINESS COMMUNICATION	3 credits
	Prerequisites: 3300:111, 3300:112, and [7600:105 or 7600:106]. Students will obtain the knowledge and ability use writing and oral communication skills in a professional environment to effectively persuade others and to mobilize action among various organizational stakeholders.	
350	ST: BUSINESS	1-3 credits
	Opportunity to study special topics and current issues in business. May be repeated with a change of subject.	
495	INTERNSHIP IN BUSINESS ADMN	3 credits
	Prerequisite: permission of designated faculty member. On-the-job experience with public or private sector organizations in the student's major field of study. Individual assignments are approved and supervised by the designated member of the faculty in the student's major field. Periodic reports and term papers are required.	
497	HONORS PROJECT IN BUSINESS ADM	1-3 credits
	Prerequisite: senior standing in Honors Program. Individual directed research relevant to the student's major. Group integrated symposium or an individualized study format available.	
499	INDP STUDY: BUSINESS ADMN	3 credits
	Prerequisite: permission of designated faculty member. Provides a means for individualized study of a problem(s) or issue in the student's major field of study.	

201	ACCOUNTING PRINCIPLES I	3 credits
	Prerequisite: 24 hours of college credit. Introduction to accounting principles including accounting for revenues, expenses, assets, liabilities, equity, accounting standards and financial statements.	
202	ACCOUNTING PRINCIPLES II	3 credits
	Prerequisite: 6200:201. Information needs of management. Analysis of cash flow and financial statements. Study of product costing systems; standard costs; planning, budgeting, and control systems; overhead cost allocation; cost-volume-profit analysis; relevant costing; and capital budgeting.	
250	SPRDSHT MODEL & DECISION ANALY	3 credits
	Prerequisite: Spreadsheet proficiency. In-depth study of spreadsheet applications and databases to support decision-making and problem-solving in business and accounting.	
290	SPECIALIZED STUDY	1-3 credits
	Prerequisite: Grade of C or better in 6200:201 or permission. Opportunity to study a specialized area in accounting at the sophomore or junior level (may be repeated with change of subject).	
301	COST MANAGEMENT AND CONTROL	3 credits
	Prerequisites: Admission to College of Business; 3250:200, and grades of not less than C in 6200:201, 6200:202, and 6200:250. Product cost accumulation, cost management strategies, performance evaluation, and application of cost in business decisions.	
305	COOPERATIVE EDUCATION IN ACCT	0 credits
	Prerequisites: 6200:201, 6200:202, 6200:250. Approved work experience in accounting and taxation. Performance evaluation and written report required.	
316	FINANCIAL APPLICATIONS DEVLPMNT	3 credits
	Prerequisite: 6200:201, 6500:315. Analysis, design and development of financial and control applications. Integration of intelligent agents into financial information systems for risk assessment, control, and assurance of businesses processes.	
320	ACCOUNT SYSTMS & INTERNAL CONT	3 credits
	Prerequisites: Admission to College of Business Administration and grade of not less than C in 201 and 250. Covers analysis design, implementation, governance and evaluation of accounting systems; business process modeling and accounting transaction cycles; and internal control.	
321	FINANCIAL REPORTING & ANALYS I	3 credits
	Prerequisite: Admission to College of Business Administration, a grade of not less than a C for accounting majors in 6200:201 or permission. Financial reporting and analysis of cash, receivables, inventories, property, plant and equipment, intangibles and liabilities. Covers U.S. GAAP, IFRS, SEC reporting, and corporate financial reporting policy. Emphasizes professional accounting research.	
322	FINANCIAL REPORTING & ANALY II	3 credits
	Prerequisite: Admission to College of Business Administration and a grade of not less than a C in 6200:321 or permission. Financial reporting and analysis of owners' equity, investments, revenue recognition, tax allocations, pensions, leases, accounting changes, cash flows, segments, and interim periods. Covers U.S. GAAP, IFRS, SEC reporting, and corporate financial reporting policy. Emphasizes professional accounting research.	
330	CONTEMPORARY FEDERAL TAXATION	3 credits
	Prerequisite: Admission to College of Business Administration and a grade of not less than a C in 6200:201 and concurrent enrollment in 6200:321. Examines current federal tax practices with an emphasis on individual taxes.	
405	EXPERIENTIAL LEARNING IN ACCT	3 credits
	Corequisite: 6200:305. Approved experiential learning in accounting. Instructor approval required.	
408	INTERNTL FIN REPORT & ANALYS	3 credits
	Prerequisites: Admission to the College of Business Administration, a grade of not less than a C in 6200:201 and 6200:202, and an international business major (6800) or 321. Covers international accounting standards, analysis of foreign financial statements, international tax issues, accounting for foreign currency, transfer pricing and international auditing standards.	
410	TAXATION FOR FINANCIAL PLAN	3 credits
	Provides students preparing for careers in financial planning with the necessary knowledge of federal tax law as applied to individuals and businesses. Not to be used as an accounting elective.	
420	ADV FINANCIAL REPORT & ANALYS	3 credits
	Prerequisite: Admission to College of Business Administration and 6200:322. Examination of accounting theory and financial reporting practices for business combinations, partnerships, foreign operations, nonprofit entities and consolidated statements. Covers U.S. GAAP, IFRS, SEC reporting, and corporate financial reporting policy. Emphasizes professional accounting research.	
431	BUSINESS ENTITY TAXATION	3 credits

Prerequisite: Admission to College of Business Administration and 6200:330 or permission. Federal income tax law related to partnerships, corporations, trusts and estates; also includes an overview of federal estate and gift tax law.

440 ASSURANCE SERV & PROFES RESPON 3 credits

Prerequisites: Admission to College of Business Administration, 6200:320, 6200:322 and 6200:330. Examines assurance services including external auditing and professional responsibilities. Focuses on standards, professional ethics and independence requirements, and procedures used in conducting assurance services.

441 INFORMATION SYS AUDIT & CONTRL 3 credits

Prerequisites: Admission to College of Business Administration, 6200:440 and 6200:454 or permission. Learn the fundamental concepts and practices of information systems audit control. Use of contemporary control frameworks, objectives and standards to discuss integrity, control, governance, assurance and effectiveness of financial information systems.

450 ADV SPRDSHT MODL & DECISN ANLY 3 credits

Prerequisites: Admission to the College of Business Administration, 6200:202, 6200:250, 6200:322, 6400:301 and 6500:304 or permission. Study advanced topics in spreadsheet modeling and decision analysis in the context of accounting and finance, including security, control and quality assurance of spreadsheets.

454 INFORMATION SYSTEMS SECURITY 3 credits

Prerequisites: Admission to College of Business Administration and, 6200:320 or 6500:310. Focus on information systems risk and security in distributed business environments; develop policies, practices and systems for security of computers and data in business with emphasis on financial information systems.

460 ADVANCED MANAGERIAL ACCOUNTING 3 credits

Prerequisites: Admission to the College of Business Administration, 6200:301 and 6200:320; and 6500:330 or 6500:333. The use of financial and non-financial information in decision making, performance evaluation of business units, strategy and governance, and management control.

470 GOVERNMENTAL ACCOUNTING 3 credits

Prerequisites: 6200:321 or equivalent. Theory and procedures involved in application of fund accounting, budgetary control, appropriations and various accounting systems to governmental units, educational, medical and other non-profit institutions. Covers financial reporting for government and not for profit entities and GASB standards.

490 ST: ACCOUNTING 1-3 credits

Prerequisite: Permission of instructor. Opportunity to study special topics and current issues in accounting. May be repeated with a change of subject.

201 INTRO: ENTREPRENEURSHIP**3 credits**

Students are exposed to career options in entrepreneurship where they learn skills related to starting or buying a small business, working for a fast growth business or corporation, family business, and franchising. Open to all university students.
3 credits.

301 NEW VENTURE CREATION**3 credits**

Prerequisite: 201 or by permission of instructor. Students work on the development of a business plan based on their chosen career path in the field of entrepreneurship (starting or buying a small business, working for a fast growth business or corporation, new product, family business, or franchising). Open to all university students.

360 ENTREPRENEURIAL FIELD PROJECT**3 credits**

Prerequisites: 201 or permission of the instructor. A practical field experience where students work in a consulting role on an actual entrepreneurial project involving a small business development center, a small business incubator, or an existing small business.

450 BUSINESS PLAN DEVELOPMENT**3 credits**

Prerequisite: 301. Students will work independently, with mentoring from the instructor, on an entrepreneurial project. Students will gain hands-on experience in developing a business plan for starting, acquiring, or expanding a business.

200	FOUNDATNS OF PERSONAL FINANCE	3 credits
	Prerequisites: 3250:200 or 3250:244 and 3450:145. Explores application of finance concepts in personal finance with emphasis on the personal financial planning process.	
220	LEGAL & SOC ENVIRON BUSINESS	3 credits
	Prerequisite: completion of 32 credits. Explores the legal and social environment in which modern business must function. The legal system, public and private law, and contemporary social and ethical issues are addressed.	
300	INTRO TO FINANCE	3 credits
	Prerequisites: 3450:145 and 3250:200 or 3250:244. Studies the sources and uses of funds for business. Students cannot get credit for this class and 6400:301. (For non-College of Business Administration students).	
301	PRINCIPLES OF FINANCE	3 credits
	Prerequisites: 3250:200 or 244; 3450:145; 6200:201; and completed one of the following: 6200:250 or admitted to the College of Engineering with 48 credit hours completed. An overview of the financial system and the major decision areas of the financial manager such as capital budgeting, financing, and working capital management.	
302	INTERMEDIATE CORPORATE FINANCE	3 credits
	Prerequisite: 6400:301. This second course in corporate finance builds upon 6400:301 to provide students with an analytic foundation for careers in business.	
321	BUSINESS LAW I	3 credits
	Prerequisite: completion of 64 credits. Discussions designed to develop legal reasoning within substantive areas of contractual obligation, agency relationships, partnerships, corporations, accountant's legal responsibility, federal securities regulation and antitrust law.	
322	BUSINESS LAW II	3 credits
	Prerequisite: 6400:321 and completion of 60 credits. Applications of Uniform Commercial Code in sales, commercial paper and secured transactions. Additional discussions include property, wills, estates, trusts, bailments, insurance, suretyship, bankruptcy, and labor law.	
323	INTERNATIONAL BUSINESS LAW	3 credits
	The law and international commercial transactions. Among the subjects covered are sovereignty; treaties; agreements; antitrust practices; property rights; international arbitration.	
338	FINANCIAL MARKETS & INSTITUTNS	3 credits
	Prerequisites: 6400:301 or 300, or permission of instructor. Studies the flows of funds. Analyzes major financial intermediaries. Money and capital markets reviewed with emphasis on interest rates and their impact upon administration of specific financial intermediaries.	
341	CONTEMPORARY INVESTMENTS	3 credits
	Prerequisites: 6400:300 or 6400:301. Fundamentals of investing for the individual investor. Students cannot get credit for this class and 6400:343. (For non-College of Business Administration students.)	
343	INVESTMENTS	3 credits
	Prerequisites: 6400:300 or 6400:301, 3250:426 or 6500:304 or permission of instructor. Range of security investment media explored, alternative investment programs considered and role of securities markets through which goals can be achieved studied.	
390	REAL EST PRINC: VALUE APPROACH	3 credits
	A study of real estate: the profession, the process, and the product. Emphasis is on real estate as a product and the valuation process. The measurement of value requires tool abilities in accounting, statistics and finance.	
402	INCOME PROPERTY APPRAISAL	3 credits
	Prerequisites: at a minimum must have been admitted to a four year degree granting college; 301 or 6140:300; or permission of instructor. Advanced course in real property appraisal and valuation. Techniques and concepts will be covered along with the theory underlying such techniques.	
403	REAL ESTATE FINANCE	3 credits
	Prerequisites: at a minimum must have been admitted to a four year degree granting college; 301 or 6140:300; or permission of instructor. Advanced course in real estate covering financing of and investment in real property. Included are investment techniques, methods, institutions, instruments, valuation, appraisal and policy issues.	
414	RISK MGMT: PROPERTY & CASUALTY	3 credits
	Prerequisite: admission to a four year degree granting college; 6400: 300 or 301, or permission of instructor. Addresses tools for managing risk, legal concepts of insurance contracts, personal insurance and commercial property and casualty insurance policies as well as other risk issues.	
415	RISK MGT:LIFE & HLTH INSURANCE	3 credits
	Prerequisites: at a minimum must have been admitted to a four year degree granting college; 6400:300 or 6400:301; or permission of instructor. Concepts of life and health insurance and risk management are addressed.	

417	RETIREMENT PLANNING	3 credits
Prerequisites: at a minimum must have been admitted to a four year degree granting college; 6400:300 or 6400:301; or permission of instructor. An in-depth examination of retirement and estate planning objectives, methods, and strategies including the study of employee benefits plans, public and private pension funds, and lifetime strategies for maximization of estate assets.		
418	INSURANCE OPERATIONS	3 credits
Prerequisites: 6400:414 or 6400:415 or permission. This course provides a detailed examination of the composition, financial structure, and operation o the property-casualty insurance industry.		
424	LEGAL CONCEPTS OF REAL ESTATE	3 credits
Prerequisite: at a minimum must have been admitted to a four year degree granting college. Study of concepts of law governing the many interests in real estate including acquisition, encumbrance, transfer, rights and obligations of parties, and the various state and federal regulations. The legal concepts of the business of real estate are likewise examined. Emphasis is on a managerial approach utilizing the case method.		
432	SEM: FINANCIAL PLANNING	3 credits
Prerequisites: at a minimum must have been admitted to a four year degree granting college; 6400:300 or 6400:301. 6400:341 or 6400:343, 6200:330, 6200:410, or permission of the instructor. Corequisites: 6400:415. Explores financial planning function, including contact, data acquisition, plan development and implementation; addressing planning techniques and financial planning ethical issues.		
436	COMMERCIAL BANK MANAGEMENT	3 credits
Prerequisites: at a minimum must have been admitted to a four year degree granting college; 6200:250, 6400:301 or 6400:300 and 6400:338; or permission of instructor. Study of administrative policy determination and decision making within the commercial bank. Analysis of policy making in areas of liquidity, loan and security investment and sources of funds.		
437	INTERNATIONAL BUSINESS FINANCE	3 credits
Prerequisite: at a minimum must have been admitted to a four year degree granting college; 6400:300 or 6400:301; or permission of instructor. Theory and practice of financial wealth maximization in the international business enterprise.		
438	INTERNATIONAL BANKING	3 credits
Prerequisite: admission to a four year degree granting college; 6400:437 and 6400:300 or 301 or permission of instructor. Examination of recent trends in the expansion of international banking activities and associated revenue maximizing strategies.		
448	ADVANCED PORTFOLIO MANAGEMENT	3 credits
Prerequisite: 343. Advanced Portfolio Management is a semester long case course. The case is the management of the UA Student-Managed Investment Fund. This course's primary activity will be the active management of the Fund. Current and selected topics relating to investments and financial markets will be discussed as needed in the rapidly changing world economy. The course will give the student practical experience in portfolio construction, management and evaluation by managing real money on a real time basis.		
461	ENTERPRISE RISK MANAGEMENT	3 credits
Prerequisite: admission to a four year degree granting college; 6400:414, 6400:415 & 6400:418 or permission of instructor. Explores risk issues at the firm level with emphasis upon identification and management of risk to enhance firm value.		
473	FINANCIAL STATEMENT ANALYSIS	3 credits
Prerequisites: at a minimum must have been admitted to a four year degree granting college; 6200:201 and 6400:301 or 6400:300 or 6140:300; or permission of instructor. Analysis and interpretation of the financial position and performance of the business firm from the perspective of the credit and financial analyst. Emphasizes mechanics and art of financial analysis.		
485	FINANCIAL STRATEGY	3 credits
Prerequisites: at a minimum must have been admitted to a four year degree granting college; senior standing; 302, 343, 338 and 473. Capstone course with applications of financial management theories and tools to make decisions in capital budgeting, capital structure, and working capital management.		
489	ADVANCED FINANCIAL ANALYTICS	3 credits
Prerequisites: 6400:302, 6400:338, 6400:343 and 6500:305 or 3250:426. Analysis of financial models using advanced spreadsheet techniques. Models from personal finance, corporate finance and investments are incorporated, with applications in financial planning, forecasting, portfolio theory and security valuation, option valuation, capital investment and cost of capital.		
490	SEL T: FINANCE	1-3 credits
Prerequisites: at a minimum must have been admitted to a four year degree granting college; 6200:250 and 301; or permission of instructor. Provides opportunity for study of special topics not covered in current finance courses.		
492	INTERNSHIP IN FINANCIAL MGMT	3 credits

Prerequisite: permission of designated faculty member. On the job experience with public or private sector organizations in the financial services field. Individual assignments are approved and supervised by the designated member of the faculty in the student's major field. Periodic reports and term papers required.

493 INTERNSHIP IN FINANCIAL PLAN 3 credits

Prerequisite: permission of designated faculty member. On the job experience with public or private sector organizations in the financial services field. Individual assignments are approved and supervised by the designated member of the faculty in the student's major field. Periodic reports and term papers required.

494 INTERNSHIP IN RISK MGMT & INSU 3 credits

Prerequisite: permission of designated faculty member. On the job experience with public or private sector organizations in the financial services field. Individual assignments are approved and supervised by the designated member of the faculty in the student's major field. Periodic reports and term. papers required.

495 RESEARCH PROJECT IN FINANCE 1-3 credits

Prerequisites: 6400:302, 6400:338, 6400:343, 6400:473 and (6500:305 or 3250:426). Corequisites: 6400:414 or 6400:415 or 6400:416 or 6400:432 or 6400:436 or 6400:438 or 6400:448 or 6400:481 or 6400:485 or 6400:489. Taken concurrently with or following a 400-level field Finance course. Involves independent out-of-class work on a project designed in consultation with the designated 400-level course instructor.

499 INDP STUDY: FINANCE 1-3 credits

Prerequisite: permission of department head. Provides means for individualized in-depth study of finance problem or problems from which student can derive significant benefit.

254	GLOBAL EXPERIENCE	1-3 credits
	Prerequisite: 28 credit hours completed or permission of instructor. Provides an opportunity for students to learn from faculty expertise in the context of a foreign country. International management practices are examined and aspects of local culture are studied.	
301	MGMT: PRINCIPLES & CONCEPTS	3 credits
	Prerequisites: 48 completed credit hours. An interdisciplinary approach to the study of the basic principles of general management theory and practice.	
302	ORGANIZ BEHAVR & LDRSHP SKILLS	3 credits
	Prerequisite: 301. Investigation of applications of behavioral and social sciences as they relate to individual, group behavior in organizations.	
304	BUSINESS STATISTICS	3 credits
	Prerequisite: 3450:145 and 6200:250. Introduces statistical methods to support quantitative decision analysis for solving business problems. Includes probability, sampling, estimation, hypothesis testing, analysis of variance. Utilizes case studies.	
305	BUSINESS ANALYTICS	3 credits
	Prerequisites: 304. Studies core statistical techniques; data retrieval, analysis and mining; and decision modeling to effectively persuade in the project-oriented world of data-driven decisions.	
310	BUSINESS INFORMATION SYSTEMS	3 credits
	Prerequisites: 48 completed credit hours and 6200:250 or equivalent. Provides a technical and organizational foundation for understanding the use and importance of information systems and information technology in today's business environment.	
315	APPL DEVLPMT FOR BUS PROCESSES	3 credits
	Prerequisite: 6200:250 and 48 completed hours. Analysis and automation of business operations and processes. Development of applications based on a simulated enterprise-wide database.	
324	DATABASE MGMT FOR INFO SYSTEMS	3 credits
	Prerequisites: 6200:250 and 48 completed hours. An introduction to database design and management, including data modeling, relational theory, Structured Query Language, and database applications, development, using database management systems.	
325	SYSTEMS, ANALYSIS, & DESIGN	3 credits
	Prerequisites: 315. An introduction to the techniques of business modeling, systems design, and implementation, including the application of software engineering tools in support of modeling and code generation.	
330	PRIN OF SPLY CHAIN & OPER MGMT	3 credits
	Prerequisites: Completion of 32 credit hours. An overview of the terminology, fundamental concepts and scope of responsibility encountered in the fields of supply chain and operations management.	
333	SUPPLY CHAIN & OPER ANALYSIS	3 credits
	Prerequisites: 222 or 304; and 330. Application of quantitative models in the analysis and design of systems in the supply chain and in manufacturing and service operations environments.	
334	SERVICE OPERATIONS MANAGEMENT	3 credits
	Prerequisite: 330. An overview of the fundamental terminology, principles, concepts and problem solving methods encountered in the contemporary field of service operations management.	
341	HUMAN RESOURCE MANAGEMENT	3 credits
	Prerequisite: one course in psychology or sociology and co-requisite 301. Principles, policies, and practices in administering functions of recruiting, selecting, training, compensating, and appraising human resources of organizations.	
342	EMPLOYEE AND LABOR RELATIONS	3 credits
	Prerequisite: 64 completed credit hours. Co-requisite: 6500:341 if not previously completed. Analysis of management, union and employee objectives, attitudes and strategy, as they affect conduct of business and economy. Stress placed on group assigned readings and reports.	
350	FUND ENTERPRISE RESOURCE PLAN	3 credits
	Prerequisites: 6200: 250 Computer Applications for Business and 48 completed credit hours. The enterprise wide process of decreasing operating costs, rationalizing the supply chain, improving management control, and decreasing cycle time by implementing ERP based solutions	
390	SUPPLY CHN MODELNG & DECIS MAK	3 credits
	Prerequisite: 6200:250, 6500:304 or 6500:221 and 6500:330. Spreadsheet based, example-driven approach to develop models and methodologies for supply chain analysis and decision making.	
410	SEL T: ENTREPRENEURSHIP	1-3 credits

Prerequisites: Must be admitted to a 4-year degree granting college; upper-college or graduate standing and 301 or 600 or equivalent. Facilitates comparative international study of entrepreneurship, introduction of entrepreneurship to large organizations, or application of student's entrepreneurial skills. Six hour limit.

420 DATA NETWORKS AND SECURITY 3 credits

Pre-requisites: Must be admitted to a 4-year degree granting college; 6500: 310 and 64 completed hours. Principles of the design and management of data networks for business communications.

421 OPERATIONS RESEARCH 3 credits

Prerequisite: Must be admitted to a 4-year degree granting college; 330. Examines the use of operations research techniques in managerial decision-making processes; constrained linear optimization, non-linear optimization, network analysis, queuing theory, simulation.

425 DECIS SUPP W DATA WRHS/MINING 3 credits

Prerequisite: Must be admitted to a 4-year degree granting college; 324 and 305 or (221 and 222). Examines managerial and technical aspects of business decision-making based on the use of data warehouses, on-line analytical processing (OLAP) and data mining.

426 E-BUS APPLICATION DEVELOPMENT 3 credits

Prerequisite: Must be admitted to a 4-year degree granting college; 6200:250 and 64 completed credit hours. Students will gain an understanding of issues and skills related to web application design and development.

427 SYSTEMS INTEGRATION 3 credits

Prerequisite: Must be admitted to a 4-year degree granting college; 6500:315. The course provides an understanding of issues and underlying application integration. Topics include coverage of middleware technologies, B2B standards and XML.

433 SUPPLY CHAIN LOGISTIC PLANNING 3 credits

Prerequisite: Must be admitted to a 4-year degree granting college; 64 completed credit hours and 6500:330. Emphasizes the importance of planning in the development of the domestic and global supply chain logistics system that includes transportation, inventory, warehousing and procurement.

434 PRODUCTION PLANNING & CONTROL 3 credits

Prerequisite: Must be admitted to a 4-year degree granting college; 64 completed credit hours and 333. Coverage of materials management, production planning, scheduling and control. Integrates material from previous courses, provides overall framework including use of computer and quantitative methods.

435 QUALITY MANAGEMENT & CONTROL 3 credits

Prerequisites: Must be admitted to a 4-year degree granting college; 64 completed credit hours and 330. Emphasis on statistical techniques essential to controlling product quality for both measurement and attribute data. Includes control chart methods and acceptance sampling plans.

441 TRAINING AND DEVELOPMENT 3 credits

Prerequisite: Admission to a 4-year degree granting college and 6500:341. Comprehensive study of employee training and development methods and practices including performance analysis, design, development, implementation and evaluation

442 COMP MGMT & REWARD SYS 3 credits

Prerequisite: Must be admitted to a 4-year degree granting college; 64 completed credit hours and 6500:341. This course focuses on the development, implementation, and assessment of a business firm's compensation and reward system.

443 HUMAN RESOURCE SELECT & STAFF 3 credits

Prerequisites: Must be admitted to a 4-year degree granting college; 64 completed credit hours and 6500:341. Advanced study of selection and staffing within business organizations. Emphasis on current research and practice. Activities include projects, case studies, interaction with human resource professionals.

457 INTERNATIONAL MANAGEMENT 3 credits

Prerequisites: Must be admitted to a 4-year degree granting college; upper-college standing and 301 or equivalent. Management practices and techniques of international business organizations. Focus on structure and processes of resource allocation, design and technology, and the impact of culture.

458 ST: MANAG ARBIT, MED, & CONCIL 1-3 credits

Prerequisites: Must be admitted to a 4-year degree granting college; upper-college or graduate standing and 301 or 600 or equivalent. Study of the various methods and mechanisms by which management can understand and deal with internal and external conflict. Six hour limit.

459 SEL T: INTERNATIONAL MANAGEMNT 1-3 credits

Prerequisites: Must be admitted to a 4-year degree granting college; upper-college standing; 301 or equivalent; and 457; or permission of instructor. Selected topics in international management focus on historical or contemporary managerial, production and organizational issues. Includes international simulation game. Six hour limit.

460	ST: MANAGEMENT	3 credits
Prerequisite: Must be admitted to a 4-year degree granting college. Exploration of advanced topics of interest both to the student and professor. Many special applications, case studies, outside speakers, projects in conjunction with local industries.		
471	MGMT CONSULTING PROJECT	3 credits
Prerequisites: Admission to College of Business Administration and 6500:302 and 6500:310, Human Resource Management option: 342, 442, 443*; Supply Chain/Operations Management option: 333, 390, 433; Information Systems Management option; 325, 420, 425, 427 and one from 333, 341, 426, 6200:454**. Students develop skills in field-based management problem solving, project management, and requirements analysis under conditions of uncertainty in a collaborative interdisciplinary team environment.		
475	SUPPLY CHAIN OP STRATEGIES	3 credits
Prerequisite: Admission to College of Business Administration and 6500:302, 310, 333, 390, 433. Co-requisite: 6500:433 and 476.. Capstone course integrating supply chain concepts to solve real world supply chain problems primarily using a case study approach.		
476	SUPPLY CHAIN SOURCING	3 credits
Prerequisite: Must be admitted to 4-year degree granting college; 330. Introduces the student to fundamental sourcing concepts as well as the scope of responsibility and critical roles of the sourcing function within the principal organization in a supply chain network.		
477	MANAGEMENT SIMULATION	1 credits
Prerequisite: 301. Simulation of management practices through computerized game or experiential exercise.		
478	HUMAN RESOURCE SIMULATION	1 credits
Prerequisite: 341. Simulation of human resource practices through computerized or experiential exercises.		
479	OPERATIONS SIMULATION	1 credits
Prerequisite: Must be admitted to a 4-year degree granting college; 333. Simulation of operations management practices through computerized or experiential exercises.		
480	INTRO: HEALTH-CARE MANAGEMENT	3 credits
Prerequisites: Must be admitted to a 4-year degree granting college; upper-college or graduate standing (Students who are required to take 6500:301 or have completed 6500:301 or equivalent are ineligible to take this course for credit). Introductory course for health professionals covering principles and concepts of management applied to health services organizations. For those registered for graduate credit, a major paper is required.		
482	HEALTH SERVICES OPERATIONS MGT	3 credits
Prerequisites: Must be admitted to a 4-year degree granting college; upper-college standing and 301 or 480 or equivalents, or graduate standing and 580 or equivalent, or permission of instructor. (Students who have completed 330 are ineligible to take this course for credit). Application of production and operations management concepts and techniques in health services organizations.		
485	ST: HEALTH SERVICES ADMINSTRTN	1-3 credits
Prerequisite: Must be admitted to a 4-year degree granting college; permission of instructor. Special topics in health services administration (e.g., management) focusing on historical and/or contemporary managerial organizational and/or policy/strategy issues as related to health-care organizations and health-care systems. Separate topics may be repeated for a maximum of six credits. For those registered for graduate credit, a major research paper is required.		
486	INTERNSHIP IN SUPPLY CHAIN/OPS	3 credits
Prerequisite: permission of department chair or designated faculty member. On the job experiences with public or private sector organizations.		
487	INTERNSHIP IN HUMAN RESOURCES	3 credits
Prerequisite: permission of department chair or designated faculty member. On the job experiences with public or private sector organizations.		
488	INTERNSHIP IN INFO SYSTEMS	3 credits
Prerequisite: permission of department chair or designated faculty member. On the job experience with public or private sector organizations.		
490	STRATEGIC MANAGEMENT	3 credits
Prerequisites: Admission to College of Bus Admin, 97 credits in which 15 credit hrs, or half of major coursework must be completed, along with the CORE; and 6200:202, 250; 6400:301 or 310, 220 or (321 and 322); 6500:305 or 222, 330 and 301; 6600:205; 6800:305. Capstone course. Integrates the core business disciplines (accounting, economics, finance, management, marketing) through the use of case analysis. Objective and strategy formulation from an administrative viewpoint and international dimension. Emphasis on oral and written communications.		
491	W: MANAGEMENT	1-3 credits

Prerequisite: Must be admitted to a 4-year degree granting college. (May be repeated with permission of instructor or department) Group studies of special topics in management. May not be used to meet undergraduate major requirements in management. May be used for elective credits only.

205	MARKETING PRINCIPLES	3 credits
Prerequisites: 24 hours of college credit. A general survey of marketing activities including analysis of markets, competition, consumer behavior, information systems, and the assessment of product, price, distribution, and promotion strategies.		
275	PROFESSIONAL SELLING	3 credits
Prerequisite: 25 credits or permission from instructor. Builds communication skills while learning about buyer needs, persuasion and social influence, prospecting, making sales presentations, persuading, overcoming sales resistance, closing sales and building relationships.		
335	MARKETING RESEARCH	3 credits
Prerequisites: 205, 6500:221 or 6500:304. Student will gain hands-on experience in the understanding and use of appropriate tools and techniques for analyzing and presenting information derived from marketing databases. Includes problem definition and solution approach to marketing research decisions.		
355	BUYER BEHAVIOR	3 credits
Prerequisite: 205. Interdisciplinary approach to the analysis of the nature of consumer buying behavior. Economical, social, and psychological influences on consumers' decision-making processes are examined.		
375	MARKETING & SALES ANALYTICS	3 credits
Prerequisite: 335. Develop the skills to provide clients with actionable marketing intelligence gleaned from the customer, sales force, channel, promotion and competitor databases that are now pervasive in the business world.		
432	INTEGRATED MARKETING COMMUNCTN	3 credits
Prerequisite: Must be admitted to a four-year, degree granting college and 205 and 355. This course stresses the need for marketers to create consistent coordinated communication programs using all elements of the promotion mix including advertising, public relations, sales promotion, social media and personal selling.		
434	DIGITAL MARKETING	3 credits
Prerequisites: Must be admitted to a four-year, degree granting college and 205, 432. Focuses on the planning and execution of the promotion mix in the digital environment through online and mobile advertising, sales promotion, social media, blogging, website design and SEO.		
436	E-COMMERCE	3 credits
Prerequisites: Must be admitted to a four-year, degree granting college and 6600:205. This course explores the growing role of E-commerce in firm's marketing mix and the complementary roles that customer relationship management and direct marketing play in this new environment.		
438	MEDIA STRATEGY	3 credits
Prerequisites: Must be admitted to a four-year, degree granting college and 205 and 432. A message delivery course that teaches students to develop, schedule and budget effective media plans that integrate different type of media (television, radio, print, direct mail, social media and the Internet) to maximize IMC effectiveness.		
440	BRAND MANAGEMENT	3 credits
Prerequisite: Must be admitted to a four-year, degree granting college and 205 and 355. This course studies the process of building and evolving successful brands. It focuses on brand equity development by creating a distinct brand identity, impeccable brand integrity and emotional resonance. It also emphasizes brand evolution through incremental and radical innovation.		
445	CREATIVE LABORATORY	3 credits
Prerequisites: Must be admitted to a four-year, degree granting college and 355 and 432. The execution of communication strategy is essential to the success of IMC campaigns. This course focuses on the process of translating Strategy into effective creative.		
446	SOCIAL MEDIA MARKETING	3 credits
Prerequisites: Must be admitted to a four-years degree granting college, 6600:205, 6600:355, and 6600:432. Examines strategies used for marketing within social media. Topics include analytics and tactics to design, manage and optimize consumer engagement and commerce.		
460	B2B MARKETING	3 credits
Prerequisite: Must be admitted to a four-year, degree granting college and 205. This course provides a thorough grounding in industrial and business-to-business marketing. While many of the concepts are similar to those used in consumer marketing, there are major differences. This course will explore both the similarities and the differences.		
475	BUSINESS NEGOTIATIONS	3 credits
Prerequisite: Must be admitted to a four-year, degree granting college and 25 credits or permission from instructor and 6600:275. Examines business negotiation principles and practices, and builds skills in the process of negotiating business agreements within a global environment.		
478	ADVANCED PROFESSIONAL SELLING	3 credits

Prerequisite: Must be admitted to a four-year, degree granting college and 275. Broadens students understanding of the sales process looking at complex sales and solutions selling. Intense lab work focusing on communication skills, asking the right questions to fully understand needs, helping client turn implicit needs into explicit needs, conducting B2B and complex negotiations, and understanding how to create win-win solutions.

480 SALES MANAGEMENT 3 credits

Prerequisite: Must be admitted to a four-year, degree granting college and 205. Develops analytical and managerial skills through case studies and other learning activities relating to the organization, selection, training, motivation, and control of a domestic or global sales force.

486 INTERNSHIP IN MKTG MANAGEMENT 3 credits

Prerequisite: permission of department chair. On-the-job experience with public or private sector organizations in the field of marketing. On-the-job learning objectives are established by the sponsoring organization and approved by the department chair. Field experiences are augmented by a weekly diary and a term paper, which are supervised and evaluated by the department chair.

487 INTERNSHIP IN SALES MANAGEMENT 3 credits

Prerequisite: permission of department chair. On-the-job experience with public or private sector organizations in the field of marketing. On-the-job learning objectives are established by the sponsoring organization and approved by the department chair. Field experiences are augmented by a weekly diary and a term paper, which are supervised and evaluated by the department chair.

488 INTERN: INTEGRATED MKT COMM 3 credits

Prerequisite: permission of department chair. On the job experience with public or private sector organizations in the field of marketing. On the job learning objectives are established by the sponsoring organization and approved by the department chair. Field experiences are augmented by the weekly diary and term paper, which are supervised and evaluated by the department chair.

491 PROFESS WORKSHOPS IN MARKETING 1-3 credits

Prerequisites: Junior status and be admitted to a 4 year degree granting college. Special topics in marketing taught primarily by professionals with the objective of adding depth and an applied perspective to marketing concepts, issues, software & databases, problem solving and career planning. (May be repeated for up to six credits.)

493 PROF INSIGHTS: SALES MGMT 1 credits

Prerequisite: Accepted into the College of Business Administration and senior status. Professional Insights: Sales Management is designed to link sales management majors' academic learning to professional practice. Guest speakers, recognized experts in their field, share important lessons in professional selling and sales management and challenge students to address key issues in their profession.

494 PROF INSIGHTS: MARKETING MGMT 1 credits

Prerequisite: accepted into the College of Business Administration and senior status. Professional Insights: Marketing Management is designed to link marketing management majors' academic learning to professional practice. Guest speakers, recognized experts in their field, share important lessons in marketing management and challenge students to address key issues in their profession.

495 PROFESSIONAL INSIGHTS: IMC 1 credits

Prerequisite: Accepted into the College of Business Administration and senior status. Professional Insights: IMC is designed to link Integrated Marketing Communication majors' academic learning to professional practice. Guest speakers, recognized experts in their field, share important lessons in IMC and challenge students to address key issues in their profession.

496 ST: MARKETING 1-3 credits

Prerequisite: Must be admitted to a four-year, degree granting college and 205. (May be repeated for a total of three credits) Provides an opportunity to examine special topics and/or current issues in the fields of marketing, sales retailing or advertising.

499 MARKETING CAPSTONE PROJECT 3 credits

Prerequisites: Must be admitted to a four-year, degree granting college and for all Marketing majors: 275, 335, 355, 375. PLUS for Sales Management majors: 475, 480; For IMC majors: 432, 438; For Marketing Management majors: 440, 460. Student teams comprised of members from each marketing major will refine a live Client marketing strategy (product, price, distribution and promotion) and develop complementary integrated marketing communication and sales force plans.

305 INTERNATIONAL BUSINESS

3 credits

Prerequisite: 48 hours of college credit. A basic course in international business which can also provide a platform for more specialized business courses.

406 TRAVEL ABROAD

0 credits

Prerequisite: Must have been admitted to a four-year, degree granting college. Approved travel to a foreign country per the requirements of the International Business major.

421 FOREIGN MARKET ENTRY

3 credits

Prerequisite: Must have been admitted to a four-year, degree granting college and 305 or permission of instructor. A study of the business processes and procedures associated with successful foreign market entry. International Business practices around the world related to successful and unsuccessful entry are compared and contrasted. Letters of Credit, Import/Export Documentation and Global Shipping Standards are examined.

422 FOREIGN MARKET DISTAN ANALYSIS

3 credits

Prerequisite: Must have been admitted to a four-year, degree granting college and 305, 406 or permission of instructor. The cultural, administrative, geographic, and economic difference between home and host countries can dramatically impact the success of foreign market entry by the home country. Students will learn how to successfully identify and respond to these differences.

492 INTERNSHIP IN INTL BUSINESS

3 credits

Prerequisite: permission of department chair. On-the-job experience with public or private sector organizations in the field of marketing. On-the-job learning objectives are established by the sponsoring organization and approved by the department chair. Field experiences are augmented by a weekly diary and a term paper, which are supervised and evaluated by the department chair.

496 ST: INTERNATIONAL BUSINESS

1-3 credits

(May be repeated for a total of three credits) Prerequisite: Permission of instructor. Provides the opportunity to study special topics and current issues in international business. Note: Other international business courses are offered under departmental course numbers. They are 6200:408, 6400:323, 6400:481, 6500:457, 6500:459 and 6600:385.

120	MEDICAL TERMINOLOGY	3 credits
<p>Medical Terminology includes the study of medical prefixes, suffixes, word roots, combining forms, and with an emphasis on pronunciation, spelling, and abbreviations. Medical Terminology related to the body systems will be emphasized. The purpose of the course is to equip the student with a basic understanding of the tools needed to learn medical terminology as it relates to the body systems with an emphasis on spelling and pronunciation.</p>		
121	STUDY OF DISEASE PROCESSES	3 credits
<p>Prerequisite: 120. A study of human disease, the disease process, and a review of medical terminology.</p>		
122	EMERGENCY RESPONDER I	1 credits
<p>Theory and practice in recognition and response to emergencies by the medical professional including but not limited to: breathing difficulty, cardiac arrest, heart attack, stroke, bleeding, wound care, musculoskeletal injuries, burns, poisonings, heat and cold exposure, and diabetic care.</p>		
126	ADMIN MEDICAL ASSISTING I	3 credits
<p>Theory and practice in administrative medical assisting competencies such as legal and ethical concepts, medical front office responsibilities, and financial administration.</p>		
127	ADMIN MEDICAL ASSISTING II	3 credits
<p>Theory and practice in competencies including financial administration utilizing computerized billing software program. Posting, encounter forms, claims, statements, and aging of accounts will be generated.</p>		
128	BASIC PROCEDURAL CODING	3 credits
<p>Class focuses on converting the procedural language into industry standard character strings for purposes of reimbursement CPT and HCPCS codes; learning how to convert procedural statements into CPT and HCPCS codes; learning how to apply carrier rules for reimbursement.</p>		
129	BASIC DIAGNOSTIC CODING	3 credits
<p>This class focuses on converting the diagnostic language into industry standard character strings ICD-10-CM for purposes of reporting, research, and reimbursement.</p>		
135	CLINICAL MEDICAL ASSISTING I	4 credits
<p>Introduction to medical laboratory, theories and procedures essential for a medical assistant's career.</p>		
228	MEDICAL INSURANCE	3 credits
<p>Prerequisites: 120, 128, 129. Theory and practice in billing and collecting for medical services.</p>		
230	BASIC PHARMACOLOGY	3 credits
<p>Overview of drugs used in a medical setting</p>		
235	CLINICAL MEDICAL ASSISTING II	4 credits
<p>Prerequisites: 135. Advanced medical laboratory theories and practices essential for a medical assistant's career.</p>		
242	MEDICAL TRANSCRIPTION II	3 credits
<p>Prerequisites: 2540:119, 151; 120, 240. This course is an advanced medical transcription course. Emphasis will be placed on development of accuracy, speed, and medical knowledge for transcription of medical documents.</p>		
245	MEDICAL EXTERNSHIP	4 credits
<p>Prerequisites: permission from Medical Assisting Program Director and 2.0 accumulative GPA. A seminar course including 200 hours of clinical experience in ambulatory medicine.</p>		
246	MEDICAL ASSISTING PRACTICUM	4 credits
<p>Prerequisites: 126, 127, 135, 235, 230, 2780:106 and 107. This course for Medical Assistants includes 200 hours of practicum experience in ambulatory medicine where the student can perform administrative/clinical procedures with actual patients.</p>		
290	ST: MEDICAL ASSISTING	1-2 credits
<p>Prerequisite: permission. Selected topics or workshops of interest in medical assisting technology.</p>		

141	ANATOMY & POSITIONING I	3 credits
	Prerequisites: 2780:106, 107 and admission to the program. Radiographic anatomy and positioning of skeletal systems, including introductory cross-sectional anatomy. Identification of correct & incorrect positioning including remedies.	
142	ANATOMY & POSITIONING II	3 credits
	Prerequisite: 141. Radiographic anatomy and positioning of various body systems in all planes, including cross-sectional anatomy. Identification of correct & incorrect positioning, including remedies.	
151	METHODS OF PATIENT CARE I	2 credits
	Prerequisite: Admission to the program. Covers basic radiologic patient care and professionalism issues. Includes surgical aseptic training for performing radiographic images in the operating room.	
152	METHODS OF PATIENT CARE II	1 credits
	Prerequisite: 151. Addresses patient care considerations for medical emergencies, patients receiving contrast media, alternative medical treatments. Overview of pharmacology and drug administration.	
161	RADIOLOGIC PHYSICS & PRINCPL I	3 credits
	Prerequisites: 2780:106, 107 and Admission to the program. Orientation to radiologic sciences. Introduction to systems of measurement, physics, electromagnetism, and components of the x-ray tube. Also includes electricity, radiation physics, and radiation protection.	
162	RADIOLOGIC PHYSICS & PRINCP II	3 credits
	Sequential. Prerequisite: 161. Discussion of radiologic factors involved in producing quality radiographs. Review of various radiographic components and their influences on photographic technique. Includes quality assurance testing.	
171	CLINIC CLASS I	1 credits
	Prerequisite: Admission to the program. Corequisite: 181. Review of the clinical site-specific radiographic positioning of the skeletal system. Also includes mobile & surgical radiography.	
172	CLINIC CLASS II	1 credits
	Prerequisite: 171. Corequisite: 182. Review of the clinical site-specific radiographic positioning of various body systems. Includes mobile & surgical radiography.	
181	CLINICAL I	3 credits
	Prerequisite: Admission to the program. Hands-on application of didactic anatomy & positioning lessons in learning how to image the skeletal system. Includes mobile & surgical radiography.	
182	CLINICAL II	3 credits
	Prerequisite: 2760:181. Hands-on application of didactic anatomy & positioning lessons in learning how to image the various body systems. Includes mobile & surgical radiography.	
192	RADIOBIOLOGY	2 credits
	Prerequisite: 161. Corequisite: 162. History and development of federal and state radiation standards. Identifying natural vs. artificial radiation sources. Includes applications of diagnostic imaging and therapeutic radiation modalities.	
221	CLINICAL EXPERIENCE	0 credits
	Prerequisite: admission to the Radiologic Technology program. Off-campus clinical course. May be repeated as needed.	
252	IMAGING OBSTACLES AND SOLUTION	1-2 credits
	Prerequisite: 142. Introduction problem solving skills, using case studies and role-playing situations. Includes comprehensive image analysis of proper technique, positioning, & the use of radiation protection principles.	
261	RADIOLOGIC PHYSICS & PRIN III	3 credits
	Prerequisite: 162. Review of radiation physics and radiographic principles that are included with advanced imaging concepts, and radiation protection techniques for both the patient and the radiographer.	
262	A&P REGISTRY REVIEW	2 credits
	Prerequisite: 271. Comprehensive review of anatomical structures and positioning to prepare for the ARRT Registry examination. A global perspective on positioning, using critical thinking skills.	
271	SPECIAL IMAGING I	3 credits
	Prerequisite: 142. Review of anatomy and advanced radiologic procedures for the following anatomical systems: Cardiac & Circulatory System, Respiratory & Lymphatic Systems, GI System, & Skeletal Articulations.	
272	SPECIAL IMAGING II	3 credits
	Prerequisite: 271. Review of anatomy and advanced procedures for the following anatomical systems: Genitourinary System, Nervous System, Muscular System, and computer based imaging.	
281	CLINICAL III	4 credits
	Prerequisite: 182. Competency level skills are refined radiographing the vertebral column, skull, facial bones, surgical & mobile Radiography, special procedures, and other infrequently seen radiologic procedures.	
282	CLINICAL IV	3-4 credits

Prerequisite: 281. Competency level skills are refined in all radiologic areas.

291 PATHOPHYSIOLOGY

2 credits

Prerequisite: 142. Review of disease processes of the various body systems related to the effect pathology produces on radiographic images. Extensive discussion of optimum techniques used.

292 CROSS SECTIONAL ANATOMY

2 credits

Prerequisite: 271. Reorientation of anatomical structures and their relationships to axial, coronal, and sagittal planes. These structures are then identified on cadaver, CT, and MRI images.

100	INTRO: SURGICAL TECHNOLOGY	4 credits
	Prerequisite: admission to the program. Study of basic principles which underlie patient care in the operating room. Role of operating room technician and legal and ethical responsibilities defined.	
221	SURGICAL TECHNLOGY PROCEDURE I	4 credits
	Prerequisite: Admission to the program. Corequisite: 100. Covers principles and practices of surgical asepsis, surgical patients, procedures, maintenance of equipment and materials, immediate postoperative responsibilities and emergency situations in the operating room.	
222	SURGICAL TECHNLOGY PROCEDURE II	4 credits
	Prerequisite: 221. Corequisite: 232. Principles of surgical asepsis, surgical patients, surgical procedures, maintenance of equipment and materials, immediate postoperative responsibilities and emergency situations in the operating room.	
231	CLINICAL APPLICATION I	2 credits
	Prerequisite: Formal admission to the Surgical Assisting Technology Program. Corequisites: 100 and 121. Student assigned to surgical service of affiliated hospitals. Emphasis on aseptic techniques and skills associated with their implementation.	
232	CLINICAL APPLICATION II	5 credits
	Prerequisite: 131; Corequisite: 222. Student assigned to surgical service of affiliated hospitals. Emphasis on scrubbing on general surgery and gynecology procedures.	
233	CLINICAL APPLICATION III	5 credits
	Prerequisites: 232 and 222. Student assigned to surgical service of affiliated hospitals. Emphasis on scrubbing in the specialty areas.	
248	SURGICAL ANATOMY I	3 credits
	Prerequisites: 2740:120 and 2780:107. Corequisite: 100. Emphasis on human anatomy and understanding the body in its three dimensions and the relationships of parts to one another in the various surgical specialties.	
249	SURGICAL ANATOMY II	3 credits
	Prerequisite: 248. Emphasis on human anatomy and understanding the body in its three-dimensions and the relationships of parts to one another in the various surgical specialties.	
290	ST: SURGICAL ASSISTING	1-2 credits
	Prerequisite: permission. Selected topics or workshops of interest in surgical assisting technology.	

102	OVERVIEW OF SIMULATION HLTHCAR	4 credits
An overview of the use of simulation technology in healthcare education: simulation design, development, implementation and evaluation. Department consent is needed		
106	ANAT & PHYS FOR ALLIED HLTH I	3 credits
Introduction to the study of human structure and function. No laboratory.		
107	ANAT & PHY FOR ALLIED HLTH II	3 credits
Prerequisite: 106. Introduction to the study of human structure and function. No laboratory.		
201	SIMULATION TECH BASIC REPAIR	4 credits
Prerequisites: 2440:247, 2740:121, and 2780:102. Use of simulation technology from manufacturing to use in healthcare education, clinical practice, maintenance and repair.		
290	ST: ALLIED HEALTH	1-2 credits
(May be repeated for a total of four credits) Prerequisite: permission. Selected topics or subject areas of interest in allied health.		

100	CONCEPTS IN RESPIR THERAPY	3 credits
Prerequisites: 2030:152 and 2030:153. Introductory concepts regarding the practice and application of the theories employed in respiratory therapy, including career information, equipment (lecture/discussion)		
210	RESPIRATORY THERAPY PROCED I	3 credits
Prerequisites: 100, 2740:120, 2780:106 or 3100:200, 201. Application of oxygen and aerosol therapy equipment. Lecture/laboratory.		
215	RESPIRATORY THERAPY PHARMACLGY	3 credits
Prerequisites: 100, 3150:110, 111. Pharmacologic actions and effects of medications delivered by respiratory therapists, and routes of administration.		
290	ST: RESPIRATORY CARE	1-3 credits
(May be repeated for a maximum of three credits) Prerequisite: permission. Selected topics or subject areas of interest in respiratory therapy technology.		
301	CARDIOPULMONARY ASSESSMNT TECH	2 credits
Prerequisites: 2780:107 or 3100:202, 203. Overall patient assessment, with concentration on the cardiopulmonary systems. Overview of common illness and related clinical manifestations. Lecture/laboratory.		
302	CARDIOPULMNY ANATOMY & PHYSLOGY	3 credits
Prerequisites: 210, 2780:107 or 3100:202, 203; Corequisite: 2790:301. Study of normal anatomy and physiology of cardiopulmonary systems.		
303	CARDIOPULMONARY PATHOLOGY	4 credits
Prerequisites: 301, 302. Discussion of diseases of the heart and lungs, and their relationship to the role of the respiratory therapist.		
311	RESPIRATORY THERAPHY PROCED II	3 credits
Prerequisites: 210, 2780:107 or 3100:202, 203. Airway Care and Lung Inflation Techniques. Lecture/laboratory.		
312	DIAGNOSTICS I	3 credits
Prerequisite: 210; corequisites: 301, 302, 311. Bedside screening studies for the evaluation of cardiopulmonary diseases. Lecture/laboratory.		
313	DIAGNOSTICS II	3 credits
Prerequisites: 311, 312; corequisite: 303. Laboratory diagnostic studies for the evaluation of cardiopulmonary diseases. Lecture/laboratory.		
315	ADV PHARMCLGY FOR RESP THERAPY	3 credits
Prerequisite: 215. Pharmacologic actions and effects of Cardiopulmonary Medications.		
320	NEONATAL/PED FOR RSP THRPY I	3 credits
Prerequisite: 301. In depth coverage of neonatal & pediatric respiratory care concepts. Emphasis placed on anatomy and physiology, assessment, and therapeutics.		
325	MECHANICAL VENTILATION	4 credits
Prerequisites: 303, 312, 315, 320 341. Introduction to mechanical ventilation and equipment. Lecture/lab.		
340	APPL OF CLINICAL CONCEPTS	2 credits
Prerequisite: 210; corequisite: 301. Introduction to basic respiratory therapy in a hospital setting, and hands-on practice with respiratory therapy equipment, including CPR for the professional. Lecture/clinical.		
341	RT CLINICAL EXPERIENCE I	3 credits
Prerequisites: 215, 311, 340. Application of clinical procedures in a hospital setting, with emphasis on basic therapeutic interventions. Clinical. 225 clinical hours.		
342	RT CLINICAL EXPERIENCE II	2 credits
Prerequisites: 315, 325, 341. Application of clinical procedures in a hospital setting, with emphasis on mechanical ventilation techniques. 150 clinical hours.		
413	RESP THERAPY IN ALTERNATE SET	3 credits
Prerequisite: 313. Pulmonary rehabilitation and home care, as well as care in alternate settings. Lecture/lab.		
420	NEONATAL/PED FOR RSP THRPY II	3 credits
Prerequisite: 320. Detailed study of airway management, pathophysiology and treatment modalities as they relate to neonatal/pediatrics.		
421	ACLS & PALS	3 credits
Prerequisites: 303, 315, 320, 340 or permission. Advanced Cardiac Life Support and Pediatric Advanced Life Support, with mega codes and case studies.		

430 PROBLEMS IN RESPIRATORY THERAPY

4 credits

Prerequisites: 313, 420, 443. Capstone course, applies the concepts from clinical situations, using computer simulations and cases and evaluates research in Respiratory therapy.

443 RT CLINICAL EXPERIENCE III

4 credits

Prerequisites: 342. Rotation to a variety of Health care facilities to practice specialty procedures in each institution. 300 clinical hours

444 RT CLINICAL EXPERIENCE IV

4 credits

Prerequisite: 443. Rotation to a variety of health care facilities to practice specialty procedures from each institution. Clinical (total of 300 hours).

120	ARCHERY	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181).		
121	BADMINTON	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181).		
122	BASKETBALL	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181).		
123	BOWLING	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181).		
126	FITNESS AND WELLNESS	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). One credit each. Two periods each week.		
127	GOLF	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181).		
128	GYMNASTICS (APPARATUS)	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports(170-181).**		
129	GYMNASTICS (TUMBLING)	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports(170-181).**		
130	HANDBALL	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports(170-181).**		
131	INDOOR SOCCER	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports(170-181).**		
132	KARATE	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). One credit each. Two periods each week.		
133	LIFEGUARD TRAINING	2 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). Two credits each.		
134	MODERN DANCE	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports(170-181).**		
135	RACQUETBALL	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181).		

136	RUGBY	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports(170-181).**		
138	SCUBA	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). One credit each. Two periods each week.		
139	SELF DEFENSE	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). One credit each. Two periods each week.		
140	SKIING (CROSS-COUNTRY)	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports(170-181).**		
141	SKIING (DOWNHILL)	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181).		
142	SOCCER	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181).		
143	SOCIAL DANCE	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports(170-181).**		
145	SQUASH RACKETS	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports(170-181).**		
146	SWIMMING (BEGINNING)	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181).		
147	SWIMMING (INTERMEDIATE)	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181).		
149	TEAM HANDBALL	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports(170-181).**		
150	TENNIS (BEGINNING)	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181).		
151	VOLLEYBALL	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181).		
152	WATER POLO	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports(170-181).**		

153	WATER SAFETY	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports(170-181).**One credit each. Two periods each week.		
154	WRESTLING	0.5 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports(170-181).**		
155	BASIC KAYAKING	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). One credit each. Two periods each week.		
170	VARSAITY BASEBALL	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). Varsity sports are one credit each.		
171	VARSAITY BASKETBALL	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). Varsity sports are one credit each.		
172	VARSAITY CROSS COUNTRY	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). Varsity sports are one credit each.		
173	VARSAITY FOOTBALL	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). Varsity sports are one credit each.		
174	VARSAITY GOLF	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). Varsity sports are one credit each.		
175	VARSAITY SOCCER	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). Varsity sports are one credit each.		
176	VARSAITY SOFTBALL	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). Varsity sports are one credit each.		
177	VARSAITY SWIMMING	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). Varsity sports are one credit each.		
178	VARSAITY TENNIS	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). Varsity sports are one credit each.		
179	VARSAITY TRACK	1 credits
Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). Varsity sports are one credit each.		
180	VARSAITY WRESTLING	1 credits

Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports(170-181).** Varsity sports are one credit each.

181 VARSITY VOLLEYBALL 1 credits

Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). Varsity sports are one credit each.

182 VARSITY RIFLERY 1 credits

Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). Varsity sports are one credit each.

183 VARSITY CHEERLEADING 1 credits

Participation in individual and group sports. Individual can acquire knowledge and skill in activities which may be of value and satisfaction throughout life. One-half credit courses are offered one-half semester. Permission of coach necessary for enrollment in varsity sports (170-181). Varsity sports are one credit each.

190 ST: GENERAL STDS PHYSICAL EDUC 0.5-2 credits

Weight training, self-defense for the blind, water safety instruction, beginning yoga, tai chi, billiards, intermediate and advanced bowling, intermediate and advanced golf, advanced self-defense.

199 ST: GENERAL STDS PHYSICAL EDUC 0.5-2 credits

See department for course description.

200 LIFEGUARD INSTRUCTOR 2 credits

This course is designed to train students to teach the American Red Cross lifeguard training courses.

201 WATER SAFETY INSTRUCTOR 2 credits

This course is designed to train students to teach swimming and water safety courses from Pre-K to adult.

207 INTRO: ROCK CLIMBING 1 credits

This course teaches basic rock-climbing skills. No previous experience in necessary.

100	INTRO: SPORT STUDIES	3 credits
	Introduction to sport studies explores the history, philosophy, and principles of today's sport industry within a practical, career-oriented framework.	
102	PE ACTIVITIES I: FIT,HLTHYLIFE	3 credits
	Introduction to fitness and leisure activities, as well as healthy life style. Knowledge of developing programs that lead to fitness, leisure and healthy life style for individuals as well as groups.	
110	INTRO: ATHLETIC TRAINING	1 credits
	Provides an overview of the Sports Medicine team and the components of a comprehensive athletic healthcare program. Introduces the student to the profession of athletic training.	
125	INTRO: EXERCISE SCIENCE	1 credits
	Overview for becoming a fitness professional. Information concerning choosing a career, national certification and professional organizations will be provided.	
130	PHYS ED ACTIVITIES FOR CHILDRN	2 credits
	For a physical education majors only. Participation in methods, activities and issues relating to pre-K through elementary physical education programs. One lecture and two laboratory periods per week.	
150	CONCEPTS IN HEALTH & FITNESS	3 credits
	Introduction to basic health and fitness concepts and related topics. Attention will be given to individual fitness programs emphasizing such topics as aerobic and anaerobic exercises, nutrition, diet, stress, and assessment methods and procedures.	
160	INTRODUCTION TO COACHING	3 credits
	An introduction to the coaching profession. Discussion of the important technical and tactical elements of coaching athletes.	
193	ORIENTATION: PHYS & HEALTH ED	3 credits
	Introduction to physical and health education to students who pursuit state license in teaching physical and health education. It's also the required course before the admission to the college of education.	
194	SPORTS OFFICIATING	2 credits
	Knowledge of rules for interscholastic sports and officiating techniques.	
195	FOUNDATIONS OF PHYSICAL EDUC	3 credits
	Concepts analysis of games and play and application of these concepts to the teaching/learning process in physical education at all ages.	
200	AQUATIC FACILITY MANAGEMENT	3 credits
	This course is designed to explore, acquire, and discuss knowledge and techniques of aquatic facility operation and management.	
201	KINESIOLOGY	3 credits
	Prerequisites: 3100:200, 201 or 202, 303. Application of basic principles of anatomy and mechanics to human movement. Three hours lecture with practical application and demonstrations.	
202	DIAGNOSIS OF MOTOR SKILLS	3 credits
	This course introduces athletic trainers and physical education majors to the sciences of diagnosing motor skills.	
203	MEASUREMENT & EVAL IN PHYS ED	3 credits
	Statistical procedures needed for analysis and interpretation of tests. Evaluation procedures, testing instruments, and techniques for administering tests are discussed and practiced. Three hours lecture.	
204	INDIVIDUAL & TEAM SPORTS	2 credits
	Intro to individual and team sports that are commonly taught in schools. Course presents knowledge, fundamental skill development, psychomotor skills analysis for the content areas.	
205	TEAM SPORTS	2 credits
	The purpose of this course is to teach students how to teach team sports.	
206	COACHING BASKETBALL	3 credits
	An introduction to coaching basketball. Discussion of the important technical and tactical elements of coaching basketball.	
207	COACHING TRACK AND FIELD	3 credits
	An introduction to coaching track and field. Discussion of the important technical, tactical and psychological elements of coaching track and field.	
208	COACHING FOOTBALL	3 credits
	An introduction to coaching football. Discussion of the important technical and tactical elements of coaching football.	
209	COACHING BASEBALL	3 credits

An introduction to coaching baseball. Discussion of the important offensive, defensive, and technical and tactical elements of coaching baseball.

211 FIRST AID & CPR 2 credits

Based on American Red Cross standards for first aid and cardiopulmonary resuscitation. Instruction and skills practice for sudden illness/emergencies is provided. Two hours lecture.

212 FIRST AID & CPR - PROF RESCUER 2 credits

Prerequisite: permission of instructor. First aid and cardiopulmonary resuscitation for health care professionals based upon American Red Cross standards. Instruction and skills practice for sudden illness/emergencies is provided.

220 HEALTH PROMOTION & BEHAV CHG 3 credits

Prerequisite: 150 Course will translate theories of behavioral science for health professionals who are involved in planning, developing, implementing or evaluating physical activity programs.

235 CONCEPTS MOTOR LEARNNG & DEVLPM 3 credits

This course will introduce key motor learning concepts and analysis of developing fundamental motor skills. Three hours lecture.

240 CARE & PREV-ATHLETIC INJURIES 3 credits

Prerequisites: 3100:200,201; Corequisite: 3100:202, 203. This course is an introduction to basic athletic training principles and techniques. Includes a laboratory course for practical application of techniques.

241 CARE & PREV OF ATH INJURY LAB 1 credits

Prerequisites: 3100:200/201; corequisites: 3100:202/203, 5550:240. This course is designed to allow students to learn, practice, and become competent and proficient in the psychomotor skills associated basic injury prevention, evaluation, management, and treatment of physically active individuals in the practice of athletic training as defined by the NATA.

242 THERAPEUTIC MODALITIES 3 credits

Prerequisites: Accepted into the ATEP Clinical Education Program. Corequisite: 243. This course will promote student medical and technical aspects of therapeutic modalities and pharmacological agents in the treatment and rehabilitation of injured physically active individuals.

243 ATHLETIC TRAINING LAB I 1 credits

Prerequisites: Accepted into the ATEP Clinical Education Program. Corequisites: 242. This course will meet CAATE standards and allow the students to learn and practice psychomotor skills and clinical proficiencies. Includes clinical rotation.

245 ADAPTED PHYSICAL EDUCATION 3 credits

Identification of atypical movement among various exceptional individuals, with adapted physical education programming experience in a laboratory setting. Web-based.

250 PRINCIPLE OF ATHLETIC TRAINING 3 credits

Prerequisites: Students must be accepted into the Clinical Athletic Training Education Program (ATEP). This course will address principles and techniques used in initial evaluation of musculoskeletal injury as defined by CAATE standards and guidelines.

255 EMERGENCY CARE FOR ATH TRAIN 3 credits

Prerequisite: Accepted into ATEP Clinical Education program. This course will teach knowledge and skills in handling emergency situations or life-threatening sudden illness or injuries which an athletic training may encounter.

275 ADV ATHLETIC INJURY MGT:LO EXT 3 credits

Prerequisites: 242, 243; corequisite: 276. This course is designed to meet CAATE standards and guidelines to display knowledge and psychomotor skills in injury evaluation and recognition lower extremity.

276 ATHLETIC TRAINING LAB II 1 credits

Prerequisites: 242, 243; corequisite: 275. This course will meet CAATE standards and allow the students to learn and practice psychomotor skills and clinical proficiencies. Includes clinical rotation.

300 PHYS OF EXER FOR OLDER ADULT 3 credits

Prerequisite: 302. Analysis of physiological effects of exercise on the elderly. Exercise programs adaptable for use by persons working with elderly. Three hours lecture.

302 PHYSIOLOGY OF EXERCISE 3 credits

Prerequisites: 3100:206/207 or 3100:208/209. A course designed to study the physiological effects of exercise relative to physical education activities, athletics and athletic training. Two hours lecture, two hours laboratory. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.

305 CLINICAL EXPERIENCE I 2 credits

Prerequisite: by permission only. Improves the student's psychomotor skills in the following domains of athletic training: injury prevention, injury recognition/evaluation and management, therapeutic exercise and rehabilitation.

306	PE ACT IV: BADMINTON/GOLF	2 credits
	Course presents knowledge, fundamental skill development, and psychomotor skill analysis for the content areas of badminton and golf. One hour lecture, two hours lab. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
307	PHYSICAL EDUCATN ACTIVITIES V	2 credits
	Course presents knowledge, fundamental skill development, and psychomotor skill analysis for the content areas of tennis and volleyball. One hour lecture, two hours lab. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
308	PE ACT IV: DANCE & TUMBLING	2 credits
	Course presents knowledge, fundamental skill development, and psychomotor skill analysis for the content areas of dance and tumbling. One hour lecture, two hours lab. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
327	EXERCISE LEADERSHIP	3 credits
	Prerequisite: 302. Students learn principles of teaching safe and effective exercises designed to enhance physical fitness. Course will assist students in preparing for a group exercise certification.	
330	EXERCISE AND WEIGHT CONTROL	3 credits
	Prerequisite: 302. Course will focus on role of exercise in regard to its positive influences on weight control. The hazards and implications of being overweight are studied.	
332	THERAPEUTIC EXR & REHAB I PRIN	3 credits
	Prerequisites: 342, 343. Corequisite: 333. This course will address CAATE standards and guidelines for competencies and proficiencies using principles in exercise and rehabilitation techniques.	
333	ATHLETIC TRAINING LAB IV	1 credits
	Prerequisites: 342, 343. Corequisite: 332. This course will allow students to learn psychomotor skills associated with therapeutic exercise & rehabilitation techniques. Includes a 250 hour clinical sport rotation.	
335	MVMT EXPERIENCES FOR CHILDREN	3 credits
	Prerequisites: 130, 193, 235. Course focuses on use of fundamental motor skill analysis to structure movement lessons for children from early childhood through elementary years. One hour lecture, two hours lab. (20 clinical hours, 10 field hours.) Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
336	MOTOR LRNG & DEV EARLY CHLDHD	2 credits
	Physical fitness, fundamental motor skills, motor development and learning for early childhood, birth to age eight. Creating an environment of motor experiences for young children (10 field hours). Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
342	ADV ATHLETIC INJURY MGT:UP EXT	3 credits
	Prerequisites: 275, 276; corequisite: 343. This course designed to meet CAATE standards and guidelines to display knowledge and psychomotor skills in injury evaluation and recognition of the upper extremity.	
343	ATHLETIC TRAINING LAB III	1 credits
	Prerequisite: 275, 276; Corequisite: 342. This course will meet CAATE standards and allow the students to learn and practice psychomotor skills and clinical proficiencies. Includes clinical rotation.	
352	STRENGTH & CONDITION FUND	3 credits
	Prerequisite: 3100:200, 201, 202, 203. This course will address CAAHEP competencies and proficiencies in the area of strength and conditioning of physically active individuals.	
355	EXERCISE IN SPEC POPULATIONS	3 credits
	Prerequisites: 302, 403. Advanced course in clinical exercise testing and prescription relative to disease of the cardiovascular, pulmonary, metabolic, musculoskeletal, neuromuscular, and immunologic systems.	
360	PRACTICUM I	1 credits
	Prerequisites: 3100:200, 201, 202, 203. This is a senior level athletic training course focusing on the refinement of practical skills and preparation for the NATABOC certification examination.	
362	SPORT HISTORY	3 credits
	This course is designed to introduce students to sport in American History. The people, organizations and institutions that shaped the development of sport are examined.	
364	SPORT ETHICS	3 credits
	The focus of this course is the ethical behavior of sport participants and sport administrators studied within the context of the sport environment.	
366	SPORT COMMUNICATION	3 credits

The focus of this course is on the important knowledge that administrators should have related to the field of sport communication.

368 SPORT FACILITY MANAGEMENT 3 credits

This course has been designed to identify the systems approach for the effective management of the maintenance and operation of sport and recreation facilities.

370 FINANCIAL ASPECTS OF SPORT 3 credits

The focus of this course is related to the important knowledge that administrators should have related to the field of the financial aspects of sport.

375 SPORT PERFORMANCE PRINCIPLES 3 credits

An introduction to important elements related to the physical aspects of sport performance. Discussion of the important physical elements of coaching athletes.

395 FIELD EXPERIENCE 1-6 credits

Prerequisite: permission of adviser. Corequisite: permission of adviser. Practical experience in an area related to physical education under supervision of faculty member. Student works with current physical education programs or exercise science settings. May be repeated for a maximum of 12 credits. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.

400 MUSCULOSKEL ANATOMY I:UP EXTR 3 credits

Prerequisite: 3100:200, 3100:202. This course includes lecture/laboratory activities to provide the student a comprehensive learning experience in lower extremity musculoskeletal anatomy.

401 MUSCULOSKEL ANATOMY II:LO EXTR 3 credits

Prerequisites: 3100:200, 201, 202, 203 and 5550:201. This course includes lecture laboratory activities to provide the student a comprehensive learning experience in lower extremity musculoskeletal anatomy.

403 EXERCISE TESTING 3 credits

Prerequisite: 302. This course will cover basic knowledge of exercise testing and interpretation of results. Cardiovascular and muscular fitness aspects will be measured. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.

404 EXERCISE PRESCRIPTION 3 credits

Prerequisites: 403 or instructor's permission. This course focuses on how to appropriately prescribe exercise for various populations (young, middle-aged, elderly, pregnant, diseased-states). Students must be in the Sport Science and Wellness Program to take 300/400 level courses.

405 CLINICAL EXPERIENCE I 2 credits

Prerequisite: Accepted into ATEP Clinical education program. Enroll by advisor permission only. This course will allow for athletic training students to master CAATE proficiencies and clinical proficiencies associated with the course.

406 ADV STRENGTH & CONDITIONING 3 credits

Prerequisite: 352. Strength and conditioning programs for heterogeneous populations. The course covers high-level sport specific exercise prescriptions that aids injury prevention and performance enhancement.

409 SPORT BEHAVIOR 3 credits

The focus of this course is the behavior of athletes and sport participants studied within the context of play, games, and sport.

410 INTRO: SPORT SOCIOLOGY 3 credits

Provides information to students about the sociological aspects of sport. Delivered in a totally online format, web-based format, or in a face-to-face format.

412 GENERAL MEDICAL ASPECTS 3 credits

Prerequisites: 3100:200/201 or permission. Covers various topics related to sports medicine and general medical conditions. Students will gain perspectives and exposure to a variety of allied health care professionals.

415 SEMINAR IN ATHLETIC TRAINING 2 credits

Prerequisites: 3100:200, 201, 202, 203. To meet CAAHEP standards and guidelines and incorporate an even distribution of competencies and proficiencies throughout all athletic training for sports medicine courses.

418 CARDIORESPIRATORY FUNCTION 3 credits

Prerequisite: 302. This course is designed to study the normal structure and function of the respiratory system and how it is affected by different types of disease.

420 FUNDA OF MGMT STRATEG IN SPORT 3 credits

This course seeks to explore, acquire, and discuss knowledge within the theoretical and applied management practices of sport, fitness, and instructional programs. Delivered in a totally online format, web-based format, or in a face-to-face format. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.

422	SPORT PLANNING/PROMOTION	3 credits
	Analysis of marketing/promotions from a sport manager's perspective. Emphasis on marketing strategy, tactics and development in sport delivery systems. Delivered in a totally online format, web-based format, or in a face-to-face format.	
424	SPORTS LEADERSHIP	3 credits
	Introduces students to current issues related to leadership, management, and supervision. Examines current sport leadership research and governance structure of amateur and professional sport organizations. Delivered in a totally online format, web-based format, or in a face-to-face format.	
426	NUTRITION FOR SPORTS	3 credits
	Prerequisite: 7760:133. This course will provide an explanation of the consumption, absorption, and recommendation for diet of athletes and the physically active individual.	
428	NUTRITION TEACHERS & COACHES	3 credits
	Covers nutritional basics and topics related to teaching physical education/health and coaching athletes, including basic nutrition, eating disorders, meal preparation, and trends in nutrition.	
430	SR HONORS PROJ: PHYSICAL EDUC	1-6 credits
	(May be repeated for a total of six credits) Prerequisites: senior standing in Honors Program and permission of student's preceptor. Carefully defined individual study demonstrating originality and sustained inquiry. *Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
436	FOUND&ELEMNTS-ADPTED PHYS EDUC	3 credits
	Principles, components, and strategies necessary in providing motor activities for handicapped students via application of a neuro-developmental model and alternate methods. Three hours lecture. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
438	CARDIAC REHAB PRINCIPLES	3 credits
	Prerequisite: 302. This course will teach students the core competencies for cardiac rehab professionals, based upon the American Association of Cardiovascular and Pulmonary Rehabilitation Specialists (AAVCPR).	
440	INJURY MGT FOR TEACHER & COACH	2 credits
	Prerequisites: 211. This course challenges the student to understand ways to provide and care for the safety of individual they teach or coach.	
444	ATHLETIC TRAINING LAB V	1 credits
	Prerequisites: 332, 333. Corequisite: 445. This course will meet CAATE standards and allow the students to learn and practice psychomotor skills and clinical proficiencies. Includes clinical rotation.	
445	THERAPEUTIC EXR & REHAB II APP	3 credits
	Prerequisites: 332, 333. Corequisite: 444. This course will address CAATE standards and guidelines for competencies and proficiencies using principles in exercise and rehabilitation techniques.	
446	INST TECH: SECD PE & HEALTH	3 credits
	Prerequisites: 102, 193 and 204/205. Instructional strategies for teaching secondary students in physical and health education. A variety of instructional models will be introduced appropriate to the learners' age and development. It is a required course for the physical education licensure. Two hours lecture, two hours lab (30 clinical hours). Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
447	INST TECH: CHILDREN IN PE & HE	3 credits
	Prerequisites: 130 and 193. Instructional strategies for teaching children in physical and health education. A variety of instructional models will be introduced appropriate to the learners' age and development. Required for the physical education licensure. (30 clinical hours). Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
449	ORG & ADM FOR HEALTH CARE PROF	3 credits
	Prerequisites: senior level status and permission only. This class is a requirement for Athletic Trainers and Exercise Science majors. This class presents the skills necessary for supervising a health care facility.	
450	O & A: PHYS ED, INTRAM & ATHLTC	3 credits
	Prerequisite: instructor's permission. Investigation of procedures for conducting physical education, intramural, and athletic programs. Includes tournament designs, supplies and equipment, liability, curriculum, and general administration. Three hours lecture. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
451	ASSESS & EVAL IN ADPTD PHYS ED	3 credits
	Prerequisites: permission of adviser. Investigation, analysis, and selection of appropriate assessment instruments, as well as methodology for determining instructional objectives and activities for handicapped students. Three hours lecture. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
452	FOUND OF SPT SC, PHY & HLTH ED	3 credits

Overview of the emergence of sport science, physical and health education as a profession and the supporting role of underlying scholarly and scientific disciplines. Three hours lecture. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.

453 PRINCIPLES OF COACHING 3 credits

Basics for becoming a successful coach. Discussion of principles applying to most sports, players and coaches. Delivered in a totally online format, web-based format, or in a face-to-face format. Ten clinical hours required. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.

456 RESEARCH SEMINAR 2 credits

Prerequisite: Enrollment with Advisor permission only. This course is designed to provide students an opportunity to review current research, create, implement, and present original research in an allied health related field.

459 PRACTICUM SEMINAR 1 credits

Prerequisite: permission of instructor. This course will focus on the professional development process, including practicum preparation, resume development, interview skills and job search strategies.

460 PRACT: PHYSICAL EDUCATION 1-6 credits

Prerequisites: permission of adviser. Corequisite: permission of adviser. Practical work experience with certified personnel in a discipline or profession related to physical education or sport and exercise science. May be repeated for a maximum of 12 credits. *Students must be in the Sport Science and Wellness Program to take 300/400 level courses.

462 LEGAL ASP OF PHYSICAL ACTIVITY 2 credits

Overview legal and ethical elements of greatest concern to specialists in sport and physical activity. Cases used to illustrate specific points. Topics vary. Delivered in a totally online format, web-based format, or in a face-to-face format.

465 PSYCHOLOGY OF INJURY REHAB 2 credits

Prerequisites: 3100:200, 201, 202, 203. This course will address the cognitive and affective aspects of injury and rehabilitation of injury. Specifically the stages of rehabilitation and techniques to aid in the rehabilitation process.

467 PRACTICUM II 1 credits

Prerequisites: 3100:200, 201, 202, 203. This course will allow the students to practice psychomotor skills in the high school setting while being supervised by a certified athletic trainer.

470 INJURY PATHOLOGY & THERAPEUTIC 3 credits

Prerequisites: 3100:200, 201, 202, 203. This course will discuss common musculoskeletal pathology and surgical procedure associated with a physically active population.

480 ST: PHYSICAL EDUCATION 1-4 credits

(May be repeated with a change in topic) Prerequisite: permission of instructor. Group study of special topics in physical education. May be repeated with change in topic. Delivered in a totally online format, web-based format, or in a face-to-face format. *Students must be in the College of Education to take 300/400 level courses.

485 EXERCISE SCIENCE CAPSTONE 2 credits

Prerequisites: 302, 403. Designed to familiarize students with current issues in exercise physiology. Students will be expected to obtain a professional certification during this course.

490 W: PHYSICAL EDUCATION 1-3 credits

Practical, intensive and concentrated involvement with current curricular practices in areas related to physical education. Students must be in the College of Education to take 300/400 level courses.

494 STU TEACH: COLLOQ PHYS&HLTH ED 2 credits

Prerequisites: Core courses, program studies courses; corequisite: Student Teaching, 495. Students meet during student teaching to discuss concerns about student teaching and analyze previous learning as it relates to their future as a professional educator. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.

495 STU TEACH: PHYSICAL & HLTH ED 11 credits

Prerequisites: Approval of the Student Teaching Committee, considered based upon approved application to student teaching, passing PRAXIS II subject test, and approved portfolio. Corequisite 5550:494. Planned teaching experience in schools selected and supervised by the Office of Extended Field Experiences.

497 INDP STUDY: PHYSICAL EDUCATION 1-6 credits

Prerequisite: permission of adviser. Corequisite: permission of adviser. Analysis of specific topic related to a current problem in physical education or sport and exercise science. May be repeated for a maximum of 12 credits. *Students must be in the Sport Science and Wellness Program to take 300/400 level courses.

430	SR HONORS PROJ: OUTDOOR EDUC	1-6 credits
	(May be repeated for a total of six credits) Prerequisites: senior standing in Honors Program and permission of student's preceptor. Carefully defined individual study demonstrating originality and sustained inquiry.	
450	APPL OUTDOOR ED TO SCH CURRIC	4 credits
	Provides knowledge, skills and techniques useful in application of outdoor education to school curriculum.	
452	RESRC & RESRC MGT TCH OUTDR ED	4 credits
	Methodologies unique to outdoor education which incorporate a multisensory approach to learning. Instructional materials and resources which permit expansion of curriculum beyond the school building.	
454	RESIDENT OUTDOOR EDUCATION	2 credits
	Skills, program considerations, and organizational techniques unique to an extended, overnight, resident outdoor education program. Off-campus location for four days and three nights.	
456	OUTDOOR PURSUITS	4 credits
	Investigation and participation in practical experiences in outdoor pursuits.	
460	OUTDOOR EDUCATION PRACTICUM	2 credits
	Prerequisites: 452, 454. Closely supervised practical experience in conjunction with regularly scheduled classroom meetings. Laboratory experience consists of active participation with an established outdoor education program.	
464	WLDRNSS EDUC ASSC OUTDR LDRSHP	3 credits
	This is the Wilderness Education Association Standard Program for Outdoor Leadership Certification.	
497	INDEPENDENT STUDY	1-3 credits
	Prerequisites: permission of adviser and supervisor of independent study. Provides varied opportunities for a student to gain first-hand knowledge and experience with existing outdoor education programs.	

101	PERSONAL HEALTH	2 credits
	This course applies the current principles and facts pertaining to healthful, effective living, personal health problems, and needs of the student. Two hours lecture.	
201	FOUNDATIONS IN HEALTH EDUCATN	3 credits
	Prerequisite: 101. History and philosophy of health education as a discipline; professionalism and administration in health education are considered.	
202	STRESS MANAGEMENT	3 credits
	Prerequisite: Sophomore standing. Course provides knowledge about the relationship between stress, physiological, psychological illness and disease, also how to manage stress in life activities.	
322	CURRENT TOPICS IN HEALTH EDUC	3 credits
	Prerequisites: 101, 201, 320. Skills needed to do research, teach, and present current health education topics in a factual and comfortable manner in schools and community. Three hours lecture. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
375	PROGRAM PLANNING & EVALUATION	2 credits
	Prerequisites: 101, 201. This course addresses the process of planning and evaluating health education programs within the school and community.	
395	FIELD EXPER: HEALTH EDUCATION	1-3 credits
	Prerequisite: permission of the adviser. On-site field experience will be conducted in an area related to pre-K-12 health education under the supervision of a faculty member. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
400	ENVIRON ASPECTS OF HEALTH EDUC	3 credits
	Prerequisite: Major or minor in health education or instructor's permission. A study of the interrelationships of ecosystems and a healthful environment. This course investigates many aspects of the environment and their influences upon the quality of human life. Students must be in the College of Education to take 300/400 level courses.	
420	COMMUNITY AND PERSONAL HEALTH	3 credits
	Introduction of current public and personal health issues. Organizations and their roles in public and personal health programs. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
421	COMPREHENSIVE SCHOOL HEALTH	3 credits
	Prerequisites: 101, 201, 320. This course explains and presents comprehensive school health curricula for pre-k to 12. The three components of a comprehensive school health program are presented.	
423	MTHDS & MTRLS TCH HLTH EDUCATN	3 credits
	Prerequisites: 101, 201, 320, 5100:210/211, 5500:310/311. Planning, organization, use of instructional resources and delivery of health education content and teaching process (pre K-12). Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
430	SR HONORS PROJ: HEALTH EDUCATN	1-6 credits
	(May be repeated for a total of six credits) Prerequisites: senior standing in Honors Program and permission of student's preceptor. Carefully defined individual study demonstrating originality and sustained inquiry. Students must be in the Sport Science and Wellness Program to take 300/400 level courses.	
460	PRACT: HEALTH EDUCATION	2-6 credits
	Prerequisite: permission of the adviser. The practicum in Health Education is an on-site participation in a community health organization, agency or resource. Students must be in the College of Education to take 300/400 level courses.	
497	INDP STUDY: HEALTH EDUCATION	1-2 credits
	Prerequisite: permission of the adviser. Analysis of a specific topic related to a current problem in health education. May include investigative procedure, research or concentrated practical experience.	

101	AMERICAN SIGN LANGUAGE I	3 credits
	Introduction to American Sign Language: vocabulary building, beginning development of fingerspelling skills, receptive/expressive conversational skills.	
102	AMERICAN SIGN LANGUAGE II	3 credits
	Prerequisite: 7700:101 or equivalent. Continued development of skills in American Sign Language: vocabulary building, further development of fingerspelling skills, receptive/expressive conversational skills.	
110	INTRO TO DISORDERS OF COMMUNIC	3 credits
	Overview of various types of speech disorders; their incidence, etiology and characteristics. Basic concepts and principles underlying speech pathology.	
201	AMERICAN SIGN LANGUAGE III	3 credits
	Prerequisite: 7700:102 or equivalent. Continued development of skills in American Sign Language: vocabulary building, fingerspelling skills, receptive/expressive conversational skills, and linguistic features of ASL.	
202	AMERICAN SIGN LANGUAGE IV	3 credits
	Prerequisite: 201. Further fluency development of expressive/receptive communication, fingerspelling, and linguistic features of ASL.	
210	INTRO TO CLINICAL PHONETICS	4 credits
	Introduction to International Phonetic Alphabet. Transcription of normal speech. Overview of articulatory and acoustic phonetics. Introduction to distinctive features.	
215	INTRO:HEARING & SPEECH SCIENCE	4 credits
	Prerequisite: 210. Introductory course covering the human hearing system and acoustics of hearing as well as principles involved in the production, transmission, and reception of the speech signal.	
222	SURVEY DEAF CULTURE IN AMERICA	2 credits
	The deaf experience in America including historical, educational, legal, social, and occupational developments.	
230	LANGUAGE SCIENCE & ACQUISITION	4 credits
	An introduction to language science and the study of the language acquisition process. The characteristics and explanations of language development will be presented.	
245	FRST RESPOND TO THE DEAF COMM	4 credits
	Prerequisites: 101, 102, 201. Completion of ASL 201 with C or better. This course is required for the HSHS Manual Communication Certificate. It will emphasize ASL skills practical to first responders' needs.	
295	DIRECT EXPERIENCES IN HOSPITAL	3 credits
	Prerequisite: permission of adviser. Individual learning experiences for students with patients, their families and the hospital personnel in various hospital settings under the direction of hospital and University staff.	
300	THE RESILENT CHILD	3 credits
	Corequisite 7700:301. Course content includes typical and atypical development in children affected with health related issues in a variety of clinical settings.	
301	THE RESILENT CHILD LAB	1 credits
	Prerequisite 7700:300. Course content applies typical and atypical development in children affected with health related issues in a lab setting.	
302	ASSESS/PLAY/THERA INTER W/CHIL	3 credits
	An overview of the theoretical framework of play and assessment of children's developmental and emotional needs. Therapeutic interventions and activities explored.	
303	NATL HLTH & SAFETY PERF STDS	1 credits
	Course content includes safety and performance standards for health care providers working with children in a clinical setting.	
321	ARTICULATORY & PHONOLGIC DISRD	4 credits
	Prerequisites: 110, 210. Study of disorders of articulation/phonology, including normal phonological developments, and assessment and remediation of phonological disorders.	
330	LANGUAGE DISORDERS	4 credits
	Prerequisite: 230. Etiology, identification, evaluation, intervention, remediation of symbolic, cognitive, interpersonal language disorders of children. Disorders viewed as correlates or sequelae of central nervous system dysfunction or emotional disturbance.	
335	PRINCIPLES OF AUDIOLOGY	4 credits
	Prerequisite: 215. Introduction to basic audiometric tests, principles of speech audiometry, masking, and impedance audiometry, test battery approach.	

345	AUDIOLOGIC TREATMENT	4 credits
	Prerequisite: 215. Introduction to philosophy and methods of aural rehabilitation for children and adults. Includes methods of speech reading, auditory training, speech conservation, hearing aid use and combined visual and auditory approaches.	
365	ANATOMY & PHYS OF SPCH & HEAR	3 credits
	Prerequisites: 3100:200, 3100:201, 3100:202 and 3100:203. Study of the anatomy and physiology of organs directly and indirectly responsible for production of speech and perception of acoustical signals.	
366	ANATOMY & PHYSIOLOGY LAB	1 credits
	Corequisites: 365. Laboratory to accompany lecture, includes hands-on experience with a variety of laboratory materials, primarily models and virtual dissection.	
401	PROF PRAC/COMMUNIC CHILD LIFE	1 credits
	Provide knowledge in the area of child life professional practice. Exploration of the tenets of the child life profession and identify essential professional concepts and attributes.	
403	PROF PRACTICE/COMM CHILD LIFE	3 credits
	Provide the knowledge of child life professional practice, standards of clinical practice, competencies and ethics. Skills related to therapeutic communication with patients, families and staff will be explored and practiced.	
422	ORGANIC DISORDERS OF COMMUN	4 credits
	Prerequisites: 7700:230 and 7700:365, or permission of instructor. Surveys communication disorders that accompany acquired neurological impairments and neurodevelopmental syndromes. Introduces neurological and genetic models, classification systems, diagnostic and treatment procedures.	
430	ASPECTS OF NORMAL LANGUAGE DEV	3 credits
	(Not open to speech-language pathology and audiology majors) Introduction to acquisition and development of comprehension and production of language phonologically, semantically and syntactically. Relates language acquisition to perceptual development of child and looks at function of language in individual, family and school.	
445	MCULT CONS AUD & SP-LANG PATH	3 credits
	Prerequisites: 110 or graduate standing. This course introduces the multicultural considerations faced by audiologists and speech-language pathologists providing services to families and individuals with communication disorders.	
446	OBSERVATION & CLINICAL TECHNQ	4 credits
	Prerequisites: 110, 210, 215, 230, B average in 235, 321, and 330 AND overall GPA of at least 3.2. Introduction to concepts and processes of clinical practice in speech-language pathology and audiology. Includes clinical observation and case study.	
452	CHILD, ILLNESS AND LOSS	3 credits
	Prerequisite: senior level standing. This course examines the phenomena of illness, loss and bereavement in modern society with a special emphasis on children and families.	
453	FACILITATING SUPPORT GROUPS	3 credits
	Prerequisite: senior level standing. Theories, strategies and skills needed to facilitate support groups for children and for adults are studied using a variety of approaches including participation in a support group.	
454	CHILD IN THE HOSPITAL	6 credits
	Prerequisite: 3760:265, comparable course or permission of instructor. Seminar dealing with special needs and problems of hospitalized/ill child and family. Literature related to effects, separation, illness and stress. Examination of strategies for coping.	
455	PRACT: EXPERNC CHILD-LIFE PROG	3 credits
	Prerequisite: 454. Field experience in a child-life program and classroom activities including critical analysis of a currently functioning program and program administration.	
480	SEM: SPCH-LANG PATH/AUDIO	2 credits
	Prerequisite: senior standing. Provides a vehicle for detailed study and discussion of various communicative disorders.	
481	SPEC PRO: SP-LANG PATH/AUD	1-3 credits
	(May be repeated for a total of four credits) Prerequisite: permission of instructor. Individual or group projects related to any of the problems of communicative disorders.	
484	HOSPITAL SETTINGS, CHILD & FAM	5 credits
	Prerequisite: 3760:265, comparable course or permission of instructor. Focuses on hospital as a major social institution; introduces procedures and functions of the hospital; roles played by various hospital personnel plus cursory knowledge of medical terminology, common childhood diseases, illnesses and injuries.	
485	TCH & LRN STRATEG SP-LANG PATH	2 credits
	Current practice related to clinical intervention designed for individuals with developmental disabilities. Explores the use of the natural environment and the computer as intervention tools.	

494 INTERN: GUID EXPER CH-LIFE PRG

8 credits

Prerequisite: 455. Field experience in a child-life program at an approved pediatric facility under the supervision of Child Life Specialists.

496 SEN HNRS P:SP.PATH & AUDIOLOGY

1-3 credits

(May be repeated for a total of six credits) Prerequisites: enrollment in the Honors Program, senior standing and major in speech-language pathology and audiology.

240	SUBSTANCE USE AND ABUSE	3 credits
	Introduction to pharmacology of drugs of misuse; physiological factors of alcohol/drug-using behavior; effect of psychoactive drugs on the brain; intervention and treatment measures.	
260	INTRODUCTION TO ADDICTION	3 credits
	An overview of the continuum of use, abuse and dependency; theories of addiction; the impact of addiction on society; and the implications for professional practice.	
264	ADDICTION & THE FAMILY	3 credits
	Reviews theories and counseling techniques used in the assessment and treatment of the family system. Impact of addiction on child development, parenting, marital relationship, and other significant relationships will be explored.	
265	WOMEN & ADDICTION	3 credits
	Exploration of the social, psychological, physical and family aspects of addiction in women.	
268	CO-OCCURRING DISORDERS	3 credits
	Key concepts and evidence-based practices in the provision of services to people suffering from substance abuse as well as mental illness and behavioral disorders.	
269	CRIMINAL JUSTICE & ADDICTION	3 credits
	An introduction to the problems that exist with the treatment of the alcohol/drug offenders and issues relating to their transition back to the community.	
270	DIVERSITY AND SOCIAL WORK	3 credits
	Introductory course explores issues related to poverty and minority issues as they relate to at-risk populations.	
271	BEHAVIORAL ADDICTIONS	3 credits
	Introduction to understanding human behavior and physiological responses to compulsive behaviors other than dependencies on psychoactive chemicals. Several behavioral addictions will be explored.	
272	RELAPSE PREVENTION	3 credits
	A study of the concepts, evidence-based practices and strategies for relapse prevention with addictive behaviors.	
275	INTRO: SOCIAL WORK PRACTICE	3 credits
	Introduces students to concepts, settings, and vulnerable populations related to the field of social work. Emphasis placed on purposes, values, ethics, knowledge, and skills that characterize the professional social worker. Provides an overview of theoretical and practical knowledge about the social work profession needed for entry levels of practice in social work.	
276	INTRODUCTION TO SOCIAL WELFARE	3 credits
	Survey of field of social welfare; place of social work profession within human services institutions of United States. Introduction of basic concepts relating social welfare institutions and social work to society.	
286	ADDICTION SERVICES INTERNSHIP	2 credits
	Prerequisites: permission of instructor. Integrates counselor assistant experience with fundamental concepts and skills from academic studies. Students are required to complete 200 hours of supervised field experience.	
401	SOCIAL WORK PRACTICE I	3 credits
	Prerequisite: Social Work major; Corequisite 405. Basic concepts and methods of Generalist social work practice, with an emphasis on understanding and working with individuals.	
402	SOCIAL WORK PRACTICE II	3 credits
	Prerequisite: 401, 405; or permission of instructor. Concepts and methods of social work practice particularly relating to understanding and working with groups in various settings in our society.	
403	SOCIAL WORK PRACTICE III	3 credits
	Prerequisite: 401, 405, or permission of instructor. Development of understanding and practice methods for utilization of community organization and social planning as social work process in assessing problems and developing program to meet needs.	
404	SOCIAL WORK PRACTICE IV	3 credits
	Prerequisite: 401, 405, or permission of instructor. Professional social work practice with families in social services; the dynamics of family systems, assessment of family function and dysfunction, professional helping processes.	
405	PRACTICE I SKILLS LAB	3 credits
	Prerequisites: 270, 276, 427, 3100:103, 3700:100, 3750:100, 3850:100 and 3250:100 or 200 or 2040:247; corequisite: 401. Prepares students for beginning generalist social work practice and proves a context to apply and evaluate generic knowledge base, values, ethics, and skills common to practice with client systems.	
411	WOMENS ISS SOC WORK PRACTICE	3 credits
	Prerequisite: 401 or permission of instructor. Social work practice, knowledge and skill, social welfare institutions and social policy in relation to women's issues and concerns in the United States.	

421	FIELD EXPERIENCE SEMINAR I	2 credits
	Prerequisites: 401 and permission of the instructor. Corequisite: 493. The first of two consecutive courses that assists students in making the transition from classroom learning to experiential learning in the field practicum.	
422	FIELD EXPERIENCE SEMINAR II	2 credits
	Prerequisites: 421 and 493; Corequisite: 494. The second of two consecutive courses, this course assists students in integrating, synthesizing, and applying classroom learning to field experiences and assignments.	
425	SOCIAL WORK ETHICS	3 credits
	Prerequisite: Social Work major, permission of instructor. Social Worker's code of ethics as applied to practices, problems and issues in social work.	
427	HUMAN BEHVR & SOCIAL ENVIRON I	3 credits
	Social work perspective on human development across the life cycle. Human diversity approach consistent with the needs of social work students preparing for practice.	
430	HUMAN BEHV & SOCIAL ENVIRON II	3 credits
	Prerequisite: Social Work major, 427, or permission of instructor. Examination of larger social systems including families, groups, neighborhoods, and organizations. Focuses on the unique systemic characteristics of each system and its development.	
440	SOCIAL WORK RESEARCH I	3 credits
	Prerequisites: Social Work major or permission of instructor. Overview of scientific inquiry and the research process as it applies to the field of social work. Emphasis is placed on the various social worker roles in relation to research.	
441	SOCIAL WORK RESEARCH II	3 credits
	Prerequisite: 440 or permission of instructor. A continuation of Social Work Research I with a focus on applying research concepts. Includes content on the evaluation of practice outcomes and the use of computers in data analysis.	
445	SOC POLICY ANALY-SOCIAL WORKER	3 credits
	Prerequisite: Social Work major, permission of instructor. Description, analysis and construction of social policy in social services; to understanding forces and processes which establish or change social policies, to predict consequences of social policies and to establish goals for social policy development; integrated into effective social work methodology.	
450	SOCIAL NEEDS & SERVICES: AGING	3 credits
	Prerequisite: 401 or permission of instructor. Application of knowledge and principles of professional social work practice to understanding, development and provision of social services to meet needs of aging and later mature individuals, families and communities and institutions serving them and their relatives.	
451	SOCIAL WORK IN CHILD WELFARE	3 credits
	Prerequisite: 401 or permission of instructor. In-depth exploration of structure and functioning of social services designed to help children, and of practice of social work in child-welfare settings. Consideration of supportive, supplementary and substitutive services.	
452	SOCIAL WORK IN MENTAL HEALTH	3 credits
	Prerequisite: 401 or permission of instructor. Issues, organization, development and methodologies of current professional social work practice in mental-health settings.	
454	SOCIAL WORK-JUVENILE JUSTICE	3 credits
	Prerequisite: 401 or permission of instructor. The theory and practice of social work in the juvenile justice systems of the United States. Traditional procedures and recent developments, prevention, diversion and community outreach, legal concerns, case management, institutional functioning.	
455	SOC WRK PRAC WITH AFR AMER FAM	3 credits
	Prerequisite: 401 or permission of instructor. Contemporary problems facing African American families; male-female relationships, single parent households, African American teens and elderly, public policy, theoretical models, explaining development of the African American family.	
456	SOCIAL WORK IN HEALTH SERVICES	3 credits
	Prerequisite: 401 or permission of instructor. Policies, programs and practice in health-care settings: short-term, intermediate and long-term hospitals, out-patient services, emergency services, clinics, visiting nurse services, nursing homes, pediatric services, self-help organizations.	
459	SOCIAL WORK WITH PEOPLE WITH D	3 credits
	Prerequisite: Permission of instructor. Application of social work principles in the provision of social services to meet the needs of the mentally retarded and developmentally disabled and their families.	
467	ADDIC SCREEN, ASSESS & TREAT	3 credits
	Prerequisite: 7750 260. Overview of screening, diagnosis and assessment procedures in the addiction field, including review of the most commonly used testing instruments. Implication for treatment planning is explored.	
468	ADDICTION PREVENT, TREAT, RECO	3 credits

Evidence-based practices in addiction prevention, treatment, and recovery management. Treatment approaches include, but are not limited to, motivational interviewing, contingency management, cognitive behavioral therapy, and family approaches.

470 LAW FOR SOCIAL WORKERS 3 credits

Prerequisite: 401 or permission of instructor. Basic terminology, theories, principles, organization and procedures of law will be explored along with the relationships between social work and law and comparisons of the theoretical bases of the two professions.

471 CRISIS INTERVENTION 3 credits

This elective course focuses on knowledge/skills required by social workers dealing with people in crisis. Impact of crises on the human personality will be discussed.

472 CHILD WELFARE II 3 credits

This course is the second in a series of two child welfare courses. Child Welfare II, addresses the developmental and permanence needs of children in the welfare system.

473 SOCIAL WORK WITH ADOLESCENCE 3 credits

This course provides students with an in-depth knowledge of adolescent development and an understanding of how the biological, psychological, social, cultural, and spiritual aspects of an adolescent impact their overall functioning and quality of life issues.

475 ADDICTION & SOCIAL WORK PRACTI 3 credits

Prerequisites: 401 or permission of instructor. Provides students with the essential knowledge and skill for successful social work practice with people involved in substance abuse.

480 ST: SOC WORK & SOC WELFARE 1-3 credits

Prerequisite: permission of instructor. Analysis of current social work and social welfare theory and policy, settings, innovative interventions, and trends in delivery systems in relation to selected areas of concern. Topics and credits variable.

493 FLD EXP: SOCIAL AGENCY I 3 credits

Prerequisites: 401, 402, 427, and permission of instructor. Corequisite: 421. First of two consecutive courses of supervised internship in a social service setting. Facilitates acquisition of generalist practice skills. Student must receive permission to take the course with the Field Coordinator during early part of semester preceding enrollment. For senior social work majors.

494 FLD EXP: SOCIAL AGENCY II 3 credits

Prerequisites: 493, 421 and permission of instructor; corequisite: 422. Second of two consecutive courses of supervised internship in a social service setting. Facilitates the continued acquisition of generalist practice skills. For senior social work majors only.

497 I.I.: SOCIAL WORK 1-3 credits

Prerequisites: permission and prearrangement with instructor. Individual readings, research or projects in area of interest in social welfare theory or institutional operations or in social work practice under guidance of social work faculty member. Preparation of report paper appropriate to nature of topic. For social work major.

499 SR HONORS PROJECT: SOCIAL WORK 1-3 credits

(May be repeated for a total of six credits) Prerequisites: senior standing in Honors Program and approval of honors preceptor in department. Open only to social work major enrolled in Honors Program. Independent study leading to completion of senior honors thesis or other original work resulting in writing of research paper in proper scholarly form, supervised by student's honors project adviser within the department.

120	CAREER DECISIONS IN NUTRITION	1 credits
	Exploration of the nutrition/dietetics profession, including academic/internship routes, career opportunities, professional concepts and attributes. Self-assessment and goal setting with beginning portfolio development.	
132	EARLY CHILDHOOD NUTRITION	3 credits
	Emphasis on nutrition as component of Early Childhood programs. Nutrition principles discussed in relation to self and young children. Prenatal and infant nutrition studied. Food as learning experience, menu planning, purchasing, sanitation, food labeling, storage and parent involvement included. For Family and Child Development Option, and an educational technology student.	
133	NUTRITION FUNDAMENTALS	3 credits
	Study of basic nutrition concepts, contemporary issues, controversies; emphasis on macro/micro nutrient requirements for healthy individuals; analysis of a student's dietary intake. Online section available.	
141	FOOD FOR THE FAMILY	3 credits
	Prerequisite: Permission of instructor. Application of nutrition to meal planning; problems in selecting, budgeting and preparing food; meal service.	
228	INTRO TO MED. NUTR THERAPY	3 credits
	Prerequisites 7760:133, 3150:110, 111, 112, 113 Introduction to Medical Nutrition Therapy will review basic metabolic and pathological conditions with emphasis on medical nutrition therapy strategies.	
250	FOOD SCIENCE LECTURE	3 credits
	Prerequisites: 133, 320, 3150:110, 111, 112, 113. Study of the chemical and physical structure of food. Scientific and aesthetic principles involved in the selection, storage and preparation of foods.	
251	FOOD SCIENCE LAB	1 credits
	Prerequisites 7760: 133, 320, 3150:110, 111, 112 and 113. Corequisite 7760: 250. Application of the scientific and sensory principles involved in the selection, storage and preparation of foods.	
310	FOOD SYSTEMS MANAGEMENT I	4 credits
	Prerequisites: 250, 6200:201 or 2420:211 or permission; corequisite: 7760:315. Basic theoretical concepts in the management of dietetic food service systems and the practical application of principles and procedures in quantity food production and service.	
314	FOOD SYSTEMS I FLD EXPERIENCE	2 credits
	Development of quantity food preparation in community and health care agencies; identification of functions and resources involved in the food service systems.	
315	FOOD SYSTEMS MGMT I CLINICAL	2 credits
	Prerequisite: 250; corequisite: 310. Development of quantity food preparation and supervisory skills in community agencies; identification of functions and resources involved in the management of food service systems.	
316	SCIENCE OF NUTRITION	4 credits
	In-depth characterization of composition, metabolism, physiological functions and interrelationships of nutrients. Analysis and interpretation of current literature; assessment of nutrition counseling techniques.	
321	EXPERIMENTAL FOODS	3 credits
	Prerequisites: 250; 3150:110, 111, 112, 113. Theory and methods in the experimental study of foods. Sensory evaluation and instrumental analysis of food quality. Individual research emphasized. Lecture/Laboratory.	
328	MEDICAL NUTRITION THERAPY I	3 credits
	Prerequisites: 133 or 316, 426, 443 or permission. Analysis of health care concepts and the medical nutrition therapy relationship. Consideration of nutritional implications of pathological conditions and alterations to diet for specific health issues or disorders.	
329	MED NUTR THERAPY I CLINICAL	2 credits
	Prerequisites: 133 or 316, 426, 443 or permission; corequisite: 328. Analysis of therapeutic health-care concepts. Consideration of nutritional implications of pathological conditions; construction of diets for specific disorders.	
340	MEAL MANAGEMENT	3 credits
	Prerequisites: 250 or 141. Emphasis is on meal design, etiquette, nutritional adequacy, and application of management principles. Resource management is applied to all course activities, including restricted financial and special diet situations.	
400	NUTRITION COMMUN & EDUC SKILLS	4 credits
	Prerequisites: 228. and 133 or 316. Theory and development of communication and education skills essential to dietetics practice; interpersonal communication; interviewing; nutrition counseling; education techniques, media, and current technology.	
403	ADVANCED FOOD PREPARATION	3 credits

Prerequisites: 141 or 250 or permission. Study of advanced techniques of food preparation. Introduction to and interpretation of classic and foreign cuisines. Emphasis on individualized experiences, skill development and evaluation of procedures and results.

412 INTRO TO REGULATORY AFFAIRS 3 credits

Organization and management in administration of food service systems; problems in administration of food service systems; problems in control of labor, time and cost. Field experience in food production. Study of regulations affecting the food industry, such as food labeling, nutrition labeling, food safety, and adulteration. Course includes discussion of regulatory agencies and their impact on the food industry.

413 FOOD SYSTEMS MANAGEMENT II 3 credits

Prerequisite: 310. Advanced concepts in management of dietetic service systems relating to achievement of nutritional care goals.

421 SP: NUTRITION AND DIETETICS 1-3 credits

Additional study or apprentice experience in specialized field or preparation; group and individual experimentation.

424 NUTRITION IN LIFE CYCLE 3 credits

Prerequisite: 316 or 426, or permission of instructor. Study of the physiological basis for nutritional requirements; interrelating factors which affect growth, development, maturation and nutritional status from conception through the elderly years.

426 HUMAN NUTRITION 3 credits

Prerequisites: 133, 228, 3100:202, 203, 3150: 112, 113. Application of principles nutrition, metabolism and assessment. Analyses and interpretation of current literature. Open to dietetics majors only.

428 MEDICAL NUTRITION THERAPY II 3 credits

Prerequisite: 328. Continuation of 328. Medical Nutrition Therapy I with emphasis on more complex metabolic and pathological conditions with nutrition therapy strategies.

429 MED NUTR THERAPY II CLINICAL 3 credits

Prerequisites: 329, CP students only. Corequisite: 7760:428. Supervised practice experience in health care facilities with application of principles of medical nutrition therapy learned in 7760:328, 428.

430 COMPTR ASSTD FOOD SERVICE MGMT 3 credits

Use of computer programs in application of management concepts for food service systems.

443 NUTRITION ASSESSMENT 3 credits

Prerequisites: 133, 228, 3100:202, 203, 3150:112,113 or instructor permission. Application of principles of nutrition and assessment. Analysis and interpretation of current literature. Open to dietetics majors only.

444 MED NUTRI THERAPY IN LT CARE 2 credits

Prerequisite: CP students only, 328 and 329. Clinical experiences in long term care facilities for application of principles of nutritional care learned in 7760:328.

447 SENIOR SEMINAR 1 credits

Prerequisite: Senior standing. Consideration of the nutrition/dietetic professions and the impact on the health and wellness of individuals, families, and the environment. Analysis of challenges facing the profession.

470 FOOD INDUS: ANALYS & FLD STDY 3 credits

Prerequisite: 250 or permission. Role of technology in extending the food supply. Chemical, physical and biological effects of processing and storage, on-site tours of processing plants.

474 CULTURAL DIMENSIONS OF FOOD 3 credits

An examination of cultural, geographical and historical influences on development of food habits. Emphasis on evolution of diets; effects of religion, education, gender roles, media.

476 DEVELOPMENTS IN FOOD SCIENCE 3 credits

Prerequisite: 250. Advanced study of the chemistry and physics of food components affecting characteristics of food. Critical evaluation of current basic and applied research emphasized.

480 COMMUNITY NUTRITION I 3 credits

Prerequisites: 316 or 426. Corequisite: 481 for CP students only. Major food and nutrition related problems in the community. Emphasis on community assessment, program implementation and evaluation, and rationales for nutrition services.

481 COMMUNITY NUTRITION I-CLINICAL 1 credits

Prerequisite: CP students only; 428. Corequisite: 480. Field placement in area agencies offering nutrition services. Study of the agency's goals, organization, and philosophy of nutritional care.

482 COMMUNITY NUTRITION II 3 credits

Prerequisite: 480. Corequisite: 483 for CP students only. Activities engaged in by community nutritionist. Emphasis on controversies, cultural differences, educational approaches, grantsmanship, marketing, and working with the media.

483 COMMUNITY NUTRITION II-CLINIC 1 credits

Prerequisite: CP students only; 481. Corequisite: 482. A second field placement in an area agency offering nutrition services. Study of the agency's goals, organization, and philosophy of nutritional care.

484 HEALTH AND WELLNESS CLINICAL 4 credits

Prerequisite: (CP Students only) 7760: 481. Corequisite: 7760 413 and 482. A field placement in agencies or facilities offering health and wellness services as they related to nutrition. Credit/Noncredit.

485 SEM: HEALTH PROFESSIONS 1-3 credits

Prerequisite: permission of instructor. Exploration and evaluation of current developments in selected areas.

486 STAFF RELIEF: DIETETICS 2 credits

Prerequisites: 414, CP senior only. Opportunity to function as an entry-level dietitian in area of administrative, therapeutic or community dietetics. The graduating senior CUP student spends three 40-hour weeks in a mutually agreeable agency primarily under direction of staff dietitians or coordinators.

487 SPORTS NUTRITION 3 credits

Prerequisites: 133; 3100:202,203; 3150:112,113 or 203, 7760:426 or permission of instructor. In-depth study of energy metabolism and utilization before, during, and after exercise. Factors affecting nutrient needs and peak performance of different athletic populations are emphasized.

488 PRACT: DIETETICS 1-3 credits

Prerequisite: approval of advisor/instructor. Practical experience in application of the principles of nutrition.

489 PROFESSNL PREPARATN- DIETETICS 1 credits

Historical aspects of dietetics and where the profession is going. Specialty areas of dietetic practice are explored. Students prepare the application for dietetic internship.

493 NUTRITION FOR ATHLETES 3 credits

Study of metabolism before, during, and after exercise. Factors affecting nutrient needs and peak performance of different athletic populations are emphasized.

499 SR HONORS PROJ: NUTR & DIET 1-3 credits

(May be repeated for a total of six credits) Prerequisites: Senior standing in Honors Program and approval of honors preceptor. Individual study supervised by adviser. Student and preceptor develop goals, objectives and methodology.

301 COOPERATIVE EDUCATION

0 credits

(May be repeated). For cooperative education students only. Work experience in business, industry, or governmental agency. Comprehensive performance evaluation and written report required.

100	INTRODUCTION TO NURSING	1 credits
	Introduces students to influences of past, present, and future political, legal, social, and cultural processes on the nursing profession and the roles of nurses.	
101	INTRO TO BACCALAUREATE NURSING	1 credits
	Prerequisite: Licensed Practical Nurse. Introduces L.P.N./B.S.N. students to the purposes of baccalaureate nursing education. Explores philosophy, nursing theories, research, emerging roles, decision making, and the health care system.	
106	PRENURSING CAPSTONE COLL PREP	1 credits
	The Pre-Nursing Capstone prepares students to define, explain and demonstrate the role of the Nursing Assistant in the long-term care facility, in-home care, and the hospital setting.	
211	FOUND OF NURSING PRACTICE I	5 credits
	Prerequisite: Admission to the School of Nursing. This course focuses on basic concepts and skills needed by novice nursing students in order to care for clients. This course will focus on nurse-client relationships, communication, nursing process, psychomotor skills, and beginning pharmacology. Clinical experiences will reflect these concepts and skills.	
212	FOUND OF NURSING PRACTICE II	5 credits
	Prerequisite: 211. Builds on Foundations of Nursing Practice I focusing on promoting holistic well being across the lifespan. Clinicals are with children and adults, acute and non-acute settings.	
216	TRANSITION TO BACC NURSING	3 credits
	Prerequisite: Admission to School of Nursing. This course emphasizes the transition from Licensed Practical Nurse to professional nurse. The LPN is introduced to the discipline of nursing from the baccalaureate perspective.	
217	PATHOPHYSIOLOGY FOR NURSES	3 credits
	Prerequisite: Admission to the School of Nursing. Develop understanding of basic concepts related to pathophysiologic mechanisms of health, illness as applied to nursing. Emphasis on application to nursing using the nursing process.	
225	HEALTH ASSESSMENT	3 credits
	Prerequisite: Admission to the School of Nursing. The skills of taking health histories and performance of basic physical assessment. Supervised practice in the Learning Resource Center.	
230	NURSING PHARMACOLOGY	3 credits
	Prerequisite: Admission to the School of Nursing. Emphasis on fundamental concepts of pharmacology as applied to major drug classes, actions and effects. Application of nursing process to drug therapy across the lifespan.	
336	CONCEPTS OF PROFESSIONL NURSNG	3 credits
	Prerequisite: Admission to the RN/BSN sequence: Online; UA Main; UA Wayne; UA Lakewood; Lorain County Community College; Holden University Center/Lakewood; Medina County University Center. Introduces the RN to baccalaureate nursing. Focuses on the relationship of concepts and theories to the role of the professional nurse.	
337	HEALTH ASSESSMENT/RN	3 credits
	Prerequisite: Admission to RN program. This three hour health assessment course is designed for the registered nurse. The course consists of both theory and supervised clinical laboratory practice.	
341	PROFESSIONAL ROLE DEVELOPMENT	3 credits
	Prerequisites: Admission to the School of Nursing and all sophomore level courses in the program of study. A professional engagement course designed to expose students to the essentials of the professional role of the baccalaureate generalist nurse.	
350	NURSING OF CHILDBEARING FAMILY	5 credits
	Prerequisite: Satisfactory completion of Sophomore level nursing courses. A theoretical and clinical basis for care of the childbearing family in varying degrees of health and in a variety of settings.	
360	NURSING CARE OF ADULTS	5 credits
	Prerequisite: Satisfactory completion of Sophomore level nursing courses. Acute nursing care of adults with nutrition, elimination, metabolic, sexual, reproductive, and immunological concerns. Includes theory and practice at the advanced beginner level.	
370	NURSING CARE OF OLDER ADULTS	5 credits
	Prerequisite: Satisfactory completion of Sophomore level nursing courses. Acute nursing care of older adults with mobility, perception, circulation, and oxygenation concerns. Includes theory and practice at the advanced beginner level.	
380	MENTAL HEALTH NURSING	5 credits
	Prerequisite: Satisfactory completion of Sophomore level nursing courses. Assists students in developing knowledge and skills for providing care to individuals with mental health needs in a variety of settings.	
401	RN TRANSITION	1 credits

Pre-requisites are completion of the junior level in the nursing program. Courses include 8200:350, 8200:360, 8200:370, 8200:380 and 8200:341. Co-requisites: any two, including 8200:410, 8200:430, 8200:435, 8200:440 and 8200:450. Prepares the Senior nursing student of the professional role by developing a resume, test taking strategies for the NCLEX RN exam and a resume.

405	NRSNG CARE HEALTHY INDVDL/FAM	3 credits
	Pre or Corequisite: 8200:336. Health care concepts across the lifespan with emphasis on health promotion and illness prevention for individuals, families, and groups are discussed.	
406	PALLIATIVE NURSING CARE	3 credits
	Pre or Corequisite: 8200:336. Dimensions of end of life nursing care, including family dynamics, grief and loss, ethical considerations, physiologic changes and community resources are examined.	
409	INTERNATIONAL HEALTH	2-3 credits
	Prerequisite: Junior standing. Study in an international location. Focuses on comparisons of education, ethics, government, demography and geography on health care and nursing roles and responsibilities.	
410	NURSING FAMILIES WITH CHILDREN	5 credits
	Prerequisite: A grade of C or better 8200:341, 8200:350, 8200:360, 8200:370, 8200:380. Theoretical and clinical nursing course focused on the child within a family context. Health problems of both acute and chronic nature are explored.	
412	GLOB PERSPCT OF HLH & HLH CARE	2-3 credits
	Prerequisites: senior status. Cultural, political, educational, and economical perspectives of different regions of the world and the impact of these factors on health will be compared and examined.	
415	CMLPX CARE AGING FAMLRS/RN ONLY	3 credits
	Pre or Corequisites: 8200:336. Complex nursing issues related to care of aging individuals and families are explored. The nurse's role in physiological, emotional and psychosocial care is discussed.	
430	NURSING CMLPX/CRTCL SITUATIONS	5 credits
	Prerequisite: Completion of 8200:341, 8200:350, 8200:360, 8200:370, 8200:380. Introduces advanced beginners to the complexity of nursing care in acute complex and critical situations of patients with multi-system failures.	
435	NURSING RESEARCH	2 credits
	Prerequisite: Completion of 8200:341, 8200:350, 8200:360, 8200:370, 8200:380. Exploration of the effects of nursing research on the profession, become a knowledgeable consumer of research.	
436	NURSING RESEARCH/RN ONLY	3 credits
	Pre or Corequisite: 8200:336. Exploration of the effects of nursing research on the profession and becoming a knowledgeable consumer of research.	
440	NURSING OF COMMUNITIES	5 credits
	Prerequisite: Completion of 8200:341, 8200:350, 8200:360, 8200:370, 8200:380. A synthesis of nursing skills applied among various community populations. Health and illness care strategies within diverse population groups.	
444	NURSING OF COMM PRACTM-RN ONLY	2 credits
	Corequisite: 8200:445. Pre or Corequisite: 8200:336. This clinical practicum provides experiences related to community health nursing in a variety of traditional and nontraditional community environments.	
445	NURSING OF COMMUNITIES/RN ONLY	3 credits
	Corequisite: 8200:444. Pre or Corequisite 8200:336. This course provides a theoretical foundation for community, including public health nursing, to individuals and families in a variety of settings to diverse populations.	
446	PROFESSIONAL NRSNG LEADERSHIP	3 credits
	Corequisite: 8200:447. Pre or Corequisite: 8200:336. Issues related to nursing leadership, management, policy, and economic issues within the healthcare system that influence nursing practice are discussed.	
447	PROF NURS LEADERSHIP PRACTICUM	2 credits
	Corequisite: 8200:446. Pre or Corequisite: 8200:336. This clinical course offers the opportunity to implement leadership and management skills in a health care setting.	
448	PROFESSIONAL NURSING CAPSTONE	3 credits
	Prerequisite: 8200:336. Pre or Corequisites: 8200:337, 8200:405, 8200:406, 8200:415, 8200:436, 8200:444, 8200:445, 8200:446, 8200:447. Opportunities to synthesize information and reflect on ethical, legal, cultural, and political dimensions of employment and patient care within the health care system are provided.	
450	SR PRACTICUM & NURS LEADERSHIP	5 credits
	Prerequisite: Completion of 8200:341, 8200:350, 8200:360, 8200:370, 8200:380. This course focuses on the application of leadership and management principles to the practice of nursing. Political, social, cultural, legal and ethical issues are explored.	
453	SCHOOL NURSE PRACTICUM I	5 credits

Prerequisite: 5570:421/521, 5570:423/523, 225 or 650. Corequisites: 225 or 650 if not previously completed. Emphasis on clinical primary health care nursing to enhance positive health behavior outcomes of well children and adolescents with minor conditions on family, community, school contexts.

454 SCHOOL NURSE PRACTICUM II 5 credits

Prerequisite: 5570:421/521, 5570:423/523, 225 or 650, 453/553 or waiver. Emphasis on primary health care nursing to enhance positive health behavior outcomes of children/adolescents with minor common health or behavioral problems and chronic illnesses.

480 SENIOR HONORS PROJECT 1-4 credits

Prerequisites: Honors Program Student, 8200:435 (Honor's Designated Section) Completion and presentation of an original investigation of a significant topic or creative work which must meet high standards of scholarship.

489 ST: NURSING 1-4 credits

(May be repeated as new topics are presented) Group studies of special topics in nursing. May not be used to meet requirements for the major in nursing. May be used for elective credit.

493 W: NURSING 1-4 credits

(May be repeated as new topics are presented) Selected topics in nursing. May be used to meet undergraduate or graduate major requirements at the discretion of the college.

497 INDP STUDY: NURSING 1-3 credits

Prerequisite: permission of Director of Nursing Education, and good academic standing. Provides opportunity to develop greater depth in an area of nursing through methodology specific to discipline of nursing.

201 INTRO TO POLYMER SCIENCE

3 credits

Prerequisites: 3150:151 and 3450:221. Introduction to the field of polymer science including molecular weight distributions, polymerization, chain statistics, polymer mixtures, rubber elasticity, polymer glasses, semi-crystalline polymers and viscoelasticity.

202 INTRO TO POLYMER ENGINEERING

3 credits

Prerequisites: 3450:222 and 3650:291. Introduction to the field of polymer engineering including classification of polymer materials, mechanical properties, fundamentals of polymer melt flow, polymer processing operations and compounding.

281 POLYMER SCIENCE FOR ENGINEERS

2 credits

Prerequisites: 3150:151 and 152. Chemical bonds and structure of organic molecules, polymer chain structure, amorphous and crystalline morphology and structural characterization, polymerization and copolymerization, experimental demonstrations, typical solid-state and flow properties.

301 POLYMER MATERIALS SCI & ENGIN

3 credits

Corequisites: 3150:313 or 4600:300 or permission. Materials science and engineering of polymers. Topics covered are the phase behavior and morphology of polymer solutions and blends, glassy polymers, polymer crystallization, materials characterization and multi-component polymer materials.

381 POLYM MORPHOLOGY FOR ENGINEERS

3 credits

Prerequisites: 281, 3150:151, 3650:292. Fundamental understanding of solid structure, crystallography and morphology, processed polymers, co-polymers and their blends.

321	POLYMER FLUID MECHANICS	3 credits
	Prerequisite: 4600:310 or equivalent. Rheological properties and flow characteristics of polymer fluid systems; non-Newtonian viscosity, viscoelasticity.	
422	POLYMER PROCESSING	3 credits
	Prerequisites: [4200:321 and 4200:351] or [4600:310 and 4600:315]. Polymer processing technology. Basic studies of flow in extrusion, molding, and other processing methods.	
425	INTRO BLENDING & COMPND POLYM	3 credits
	Prerequisites: 4200:321 or 4600:310 or permission. Nature of polymer blends and compounds and their applications. Preparation and technology using batch and continuous mixers, mixing mechanisms.	
427	MOLD DESIGN	3 credits
	Prerequisites: 4200:321 or 4600:310 or permission. Molding methods to manufacture polymeric products. Machinery, materials, molds, equipment, computer-aided design.	
450	ENGNRG PROPERTIES OF POLYMERS	3 credits
	Prerequisites: 4200:408 or 4300:202 or 9821:301. Mechanical behavior of solid polymers including elastic and plastic deformation, viscoelasticity, fatigue and failure.	
451	POLYMER ENGINEERING LABORATORY	2 credits
	Prerequisite: 4200:408 or 9821:202. Laboratory experiments on the rheological characterization of polymer melts, fabrication of engineering products, structural investigation of polymeric parts.	
497	HONORS PROJECT	2 credits
	Prerequisite: Senior standing in the Honors Program. Individual creative project in mechanical polymer engineering, supervised by faculty member of the department. This course must be designed oriented if used in place of 4700:499.	
498	RESEARCH PROBLEMS IN POLY ENG	1-3 credits
	Prerequisite: Permission of Department Chair. Faculty-supervised undergraduate research problems in polymer engineering culminating in a written report.	
499	POLYMER ENGR DESIGN PROJECT	2 credits
	Corequisite: 4600:400 or permission of instructor. Analysis and design of mechanical polymer systems.	

- 401 INTRODUCTION TO ELASTOMERS 3 credits
Prerequisites: physical chemistry (or equivalent) or permission. An introduction to the science and technology of elastomeric materials and gels, including hydrogels. Lecture and laboratory.
- 402 INTRODUCTION TO PLASTICS 3 credits
Prerequisite: physical chemistry (or equivalent) or permission. An introduction to the science and technology of plastic materials. Lecture and laboratory.
- 403 POLYMER CHEMISTRY 3 credits
Prerequisites: 3150:263 and 3150:313 or permission. Mechanisms of polymerization reactions of monomers and molecular mass distributions of products; principles of molecular mass determination; relationship of physical properties/applications to structure and composition.
- 404 POLYMER PHYSICS 3 credits
Prerequisites: 4200:408 or 9821:301 or [3150:313 and 3450:223]. Advanced overview of polymer physics including scaling theories, chain dynamics, rubber elasticity, glassy polymers and crystallization.
- 405 POLYMER SCIENCE LABORATORY 3 credits
Prerequisites: 4200:408 or 9821:301 or 9871:403 or permission. Laboratory course with experiments on the synthesis and characterization of polymers.
- 407 POLYMER SCIENCE 4 credits
Prerequisite: 3150:314 or 3650:301 or permission. Principles of polymerization processes and relationships between molecular structures and physical behavior of polymers. Molecular weight distributions of macromolecules discussed and methods of determining molecular weights utilized.
- 497 HONORS PROJECT IN POLYMER SCI 1-3 credits
Prerequisites: Sophomore, junior, or senior standing in Honors College and permission of honors preceptor in the home department. Independent research leading to completion of honors thesis under guidance of project adviser. May be repeated for a total of 10 credits.
- 499 RESEARCH PROBLEMS POLYMER SCI 1-3 credits
Prerequisite: permission. Faculty-supervised undergraduate research problems in polymer science, culminating in a written report.

ADDENDUMS

Addendum to 2017-2018 Undergraduate Bulletin
Updated Departmental Contacts:

Title IX - Policy Information and inquiries concerning the application of Title IX

Michelle Smith, Title IX Coordinator, ASB, Room 125C, (330) 972-5146
Requirements for Graduation:

A student who expects to receive a second associate degree must earn a minimum of 15 credits in residence which have not counted toward the student's first degree. This total is one less than listed in other parts of the undergraduate bulletin.

Changes to curricula:
Effective January 16, 2018

New courses:

2235:201 Police Academy: Administration and Legal
2235:202 Police Academy: Homeland Security
2235:203 Police Academy: Traffic
2235:204 Police Academy: Practicals I
2235:205 Police Academy: Practicals II
2235:384 Intelligence: Cyber and Homeland Security
3400:292 Global Societies: Africa
3400:296 Global Societies: Latin America
3400:297 Global Societies: Middle East
3700:401 Advanced Topics in Research Methods
3700:447 Counterterrorism
5610:456 Inclusive Field Experience: Moderate/Intensive
6600:336 Marketing Research Lab
6600:446 Social Media Marketing
7600:429 Advanced Strategic Social Media

Course Changes:

2220:282 Digital Forensic Imaging changes to 2235:282
2230:206 Fire Sprinkler System Design - prerequisites are removed
2280:261 Baking & Classical Desserts - course name changes to Baking Fundamentals and credits change to 3
2420:263 Professional Communications and Presentations - prerequisites are removed
2440:402 Troubleshooting Complex IP-based Networks - credits change to 4
2920:245 Mechanical Design II - 2920:101 is added as prerequisite, 2920:243 changed from corequisite to prerequisite, and 2880:140 removed as prerequisite
2920:346 Mechanical Design III - 2820:310 is removed as prerequisite
3700:445 Al Qaeda - course name changes to Al Qaeda and ISIS
3700:446 Intelligence and Counterterrorism - course name changes to National Security Intelligence
4600:310 Fluid Mechanics I - 3450:223 is added as a prerequisite, 3450:335 is removed as a prerequisite
4600:337 Design of Mechanical Components - 4900:336 is added as an option to satisfy the prerequisite
4600:380 Mechanical Metallurgy - course name changes to Introduction of Materials Science and Engineering
4600:483 Mechanical Engineering Measurements Laboratory - course name changes to Measurements Laboratory
5610:453 Special Education Programming: Moderate/Intensive I - credits change to 3

6400:492 Internship to Corporate Financial Management - course name changes to Internship in Financial Management
6600:205 Marketing Principles - 3250:200 Principles of Microeconomics added as corequisite
7750:264 Addiction and the Family changes to 7750:469 Group and Relationship Counseling in Addictions
7760:474 Cultural Dimensions of Food - 7760:250 is added as a prerequisite
8200:336 Concepts of Professional Nursing - credits change to 3

Removed Courses:

2420:170 Applied Mathematics for Business
Effective May 21, 2018

New courses:

1900:201 Curating Exhibits and Displays in Museums and Archives
2235:368 Professionalism in Emergency Management and Homeland Security
4800:401 Introduction to Biomaterials Laboratory

Course Changes:

2280:120 Safety and Sanitation - credits change to 2
2740:135 Clinical Medical Assisting I - 2740:120, 2740:230, 2780:106, and 2780:107 are added as prerequisites
2740:246 Medical Assisting Practicum - prerequisites are changed to 2740:126, 2740:127, 2740:135, 2740:230, 2740:235, 2780:106 and 2780:107 (thus completing all other Associate of Applied Science in Medical Assisting Technology course work, with a 2.0 cumulative GPA), and permission from the program director
2740:235 Clinical Medical Assisting II - 2740:120, 2740:230, 2780:106 and 2780:107 are added as prerequisites
2740:245 Medical Externship changes name to Medical Billing Externship - prerequisites are changed to 2740:120, 2740:121, 2740:127, 2740:128, 2740:129, 2740:228, 2740:230, 2740:245, 2780:106 and 2780:107 (thus completing all other Medical Billing Certificate course work), a 2.0 cumulative GPA, and permission from the Medical Assisting program director
2980:222 Construction Surveying - 2980:222 is removed as a corequisite
5200:499 Student Teaching K-3 changes name to Student Teaching in Inclusive Early Childhood Settings - credits change to 9
5550:456 Research Seminar - course name changes to Evidence Based Practice and Research Applications - credits change to 3
6400:432 Seminar in Financial Planning - 6400:417 is added as a prerequisite
6600:492 Direct Interactive Marketing Practicum - 6600:445 is removed as a prerequisite
7700:446 Observation and Clinical Techniques - 7700:235, 7700:321, 7700:330 and overall GPA of at least 3.2 removed as prerequisites

Removed Courses:

6600:445 Creative Laboratory
Effective August 27, 2018

New courses:

1900:245 ST: Human Science and Culture
3250:325 Applied Econometrics I

3250:326 Applied Econometrics II
3370:355 Contemporary Issues in Environmental Science
6500:428 Systems Development Project

Course Changes:

1870:260 Honors Colloquium: Social Science changes course number to
1870:340 - credits change to 3
1870:350 Honors Colloquium: Humanities - credits change to 3
1870:370 Honors Colloquium: Natural Science - credits change to 3
6400:448 Advanced Portfolio Management - prerequisites change to
6400:343 and [3250:325 or 6500:305]
6500:304 Business Statistics - the requirement of a grade of C+ or better
is added to the prerequisites

Removed Changes:

Not Applicable

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