



## Middle Level Education (Grades 4-9) Science and Math 520303BS

The following information 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 Progress Report (DPR)** 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.*

General Education courses are required for all majors. Unless a course is specified, refer to the General Education website: <https://www.uakron.edu/general-education/> OR your Degree Progress Report (DPR) for course options.

**\*Preadmission Courses** – Completion of these courses (\*) is required for admission into the School of Education. A minimum 2.5 GPA is required in the preadmission coursework and a **cumulative GPA** of 2.5, **including transfer work**, is required for admission. **Students must be admitted into the BCAS LBJFF School of Education in order to take many of the Professional Education, Literacy Core, and Content Specific courses.**

### CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2023 OR LATER:

1 <sup>st</sup> Year	Fall Semester	Credit Hours	Prerequisites	Field Hours
*ENGL 111	English Composition I (Note a)	3	Appropriate placement by advisor;	
*MATH 145	Algebra for Calc (Note d)	4	Appropriate placement by advisor <b>NOTE: Alg for Calc is needed as a prereq for Precalc/Biology I and College Physics I (core requirements)</b>	
*	Gen Ed Social Science/DD tag (Note c)	3		
*PHYS 130	Descriptive Astronomy (Gen Ed Natural Science with lab) (Note b & Note g)	4	<b>FALL ONLY</b>	
*COMM 105 OR COMM 263	Intro to Public Speaking OR Prof Communic & Presentation	3		
<b>Total</b>		<b>17</b>		

1 <sup>st</sup> Year	Spring Semester	Credit Hours	Prerequisites	Field Hours
*ENGL 112	English Composition II (Note a)	3	ENGL 111 or equivalent	
*	Gen Ed Social Science (Note c)	3		
*CHEM 101	Chemistry for Everyone (Gen Ed Natural Science) (Note b & Note g)	4		
EDCI 240	Foundations of Literacy	3		
*STAT 260 OR STAT 250	Basic Stats (Note d & g) OR Stats for Everyday Life	3-4	Appropriate placement by advisor	
<b>Total</b>		<b>16-17</b>		

<b>2<sup>nd</sup> Year</b>		<b>Fall Semester</b>	<b>Credit Hours</b>	<b>Prerequisites</b>	<b>Field Hours</b>
EDFN 200	Introduction to Education (Note f)		3	ENGL 111 & COMM 105	<b>10 hrs</b>
EDML 100	Orientation: Mdl Lvl Education		0	Corequisite: EDFN 200	
EDFN 220	Educational Psychology		3	EDFN 200 (may be taken as prerequisite or corequisite)	
EDIS 225	Intro to Exceptionalities		3	EDFN 200 (may be taken as prerequisite or corequisite);	
EDCI 223	Urban Youth Mentoring (CI tag) (Note f)		3		<b>30 hrs</b>
MATH 140	Mathematics for Early/Middle Teachers 1 (Note g)		3	STAT 250, STAT 260, or MATH 145 with C- or better grade; <b>FALL ONLY</b>	
<b>Total</b>			<b>15</b>		

<b>2<sup>nd</sup> Year</b>		<b>Spring Semester</b>	<b>Credit Hours</b>	<b>Prerequisites</b>	<b>Field Hours</b>
EDCI 308	Instructional Design and Assessment (Note f)		6	EDFN 220 and EDIS 225	<b>30 hrs</b>
EDCI 241	Word Study, Phonics and Spelling		3	EDCI 240	
MATH 240	Mathematics for Early/Middle Teachers 2 (Note g)		3	MATH 140 with grade C- or better; <b>SPRING ONLY</b>	
	Gen Ed Arts		3		
<b>Total</b>			<b>15</b>		

<b>3<sup>rd</sup> Year</b>		<b>Fall Semester</b>	<b>Credit Hours</b>	<b>Prerequisites</b>	<b>Field Hours</b>
EDCI 440	Literacy in the Content Areas (Note f)		3	EDCI 308	<b>20 hrs</b>
EDML 300	Middle Level Education (Note f)		3	EDCI 308 prereq or coreq	<b>15 hrs</b>
GEOL 451 <b>OR</b> GEOL 452	Field/Lab Studies in Environmental Science <b>OR</b> Geology and Enviro Sci Service Learning (Note g)		3	GEOL 451 offered: Sum23, Fa23, Sum25  GEOL 452 offered: Fa23, Sp25, Spr26	
MATH 143 <b>OR</b> MATH 144	Tech Algebra & Trig I w/ Support (Note d & g) <b>OR</b> Technical Algebra & Trigonometry I		5  4	Appropriate placement by advisor;	
	Gen Ed Humanities/GD tag		3		
<b>Total</b>			<b>16-17</b>		

<b>3<sup>rd</sup> Year</b>		<b>Spring Semester</b>	<b>Credit Hours</b>	<b>Prerequisites</b>	<b>Field Hours</b>
EDML 342	Teaching Math to Middle Lvl Learners (Note f)		3	EDCI 308; Admission to School of Education; <b>SPRING ONLY</b>	<b>15 hrs</b>
EDCI 445	Assessment & Instruction in Literacy (Note f)		3	EDCI 240, EDCI 241, EDCI 440; C or better required in all Literacy courses as prereq	<b>30 hrs</b>
BIOL 103	Natural Science Biology/lab (Note g)		4		
MATH 208	Discrete Math (Note g)		4	MATH 140 with grade C- or better	
	Gen Ed Arts or Humanities		3		
<b>Total</b>			<b>17</b>		

<b>4<sup>th</sup> Year</b>		<b>Summer Semester</b>	<b>Credit Hours</b>	<b>Prerequisites</b>	<b>Field Hours</b>
GEOL 137	Earth's Atmosphere and Weather (Note g)		1	<b>SUMMER ONLY</b>	
<b>Total</b>			<b>1</b>		

4 <sup>th</sup> Year	Fall Semester	Credit Hours	Prerequisites	Field Hours
EDML 333	Teaching Science to Middle Level Learners (Note f)	4	EDCI 308; Admission to School of Education; <b>FALL ONLY</b>	<b>15 hrs</b>
PHYS 261	College Physics I/lab (Note g)	4	MATH 145 or MATH 154	
GEOL 101	Intro to Physical Geology/Lab (Note g)	4		
MATH 441	Concepts of Geometry (Note g)	4	MATH 208 with grade C- or better; <b>FALL ONLY</b>	
<b>Total</b>		<b>16</b>	<b>Apply for Student Teaching. See notes below regarding OAE Tests.</b>	

4 <sup>th</sup> Year	Spring Semester	Credit Hours	Prerequisites	Field Hours
EDML 498	Student Teaching Colloquium: Middle Grades	3	Coreq: EDML 499	
EDML 499	Student Teaching Middle Level (Note e)	9	Coreq: EDML 498. This is full-time teaching; no other courses permitted this semester. 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.	
<b>Total</b>		<b>12</b>		

	<b>Minimum Credits for Degree</b>	<b>125</b>	
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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 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.**

Undergraduate Advisors: <https://www.uakron.edu/education/current-students/undergraduate-advising>

Faculty Advisors: Science: Dr. Gary Holliday, [gh30@uakron.edu](mailto:gh30@uakron.edu)  
 Math: Dr. Lynne Pachnowski, [Imp@uakron.edu](mailto:Imp@uakron.edu)

Also see the School of Education website: <https://www.uakron.edu/education/>

**Course substitutions or waivers may only be approved by the faculty advisor for this program.**

**NOTES:**

- a. **English Comp I (ENGL 111) and English Comp II (ENGL 112)** are the recommended classes to meet the General Education Writing requirement. English (2020:121) can be used to fulfill the English Composition I requirement and Technical Report Writing (ENGL 222) can be used to fulfill the English Composition II requirement. C or higher grade required for admission to the School.
- b. **Natural Science Requirement:** Seven credits of Natural Science are **required for general education and preadmission**. One course **must** include a lab section. A variety of science courses are offered; see Gen Ed Guide and/or Degree Progress Report (DPR) for course options.
- c. **Social Science Requirement:** 6 credits of Social Science are required for General Education and preadmission. see Gen Ed Guide and/or Degree Progress Report (DPR) for course options.

- d. **Placement for a Math/Stats/Logic course is determined through academic advisor.** Eligibility for math courses is determined via placement test score, ACT and/or SAT-R scores, AP scores, or prior college level courses.
- e. The Student Teaching experience is considered full time teaching and is to be taken in the last semester of the program. Due to the nature of this experience students are not permitted to take other courses other than what is recommended in the last semester as listed above. Students should see the Director of Student Teaching and should review: <https://www.uakron.edu/education/student-teaching/>
- f. **FBI/BCI:** Certain education courses require BCI and FBI background checks which are used by area schools for placement made during the day. The Ohio Department of Education maintains a list of criminal convictions that disqualify applicants for a state educator license.  
Please review: <https://www.uakron.edu/education/student-teaching/fbi.dot>
- g. 42 credits of Teaching Field Content courses required. A 2.5 gpa is required in teaching content coursework. A variety of courses count for content requirements; see DPR for options. Please note that some courses require prerequisites and some courses will also double dip with General Education requirements.

**NOTE: This 4-year plan assumes students will take additional credits during summers to fulfill the requirements, unless credits can be used from High School (AP credit, CCP, etc).**

**NOTE: ALL Education and Literacy courses REQUIRE a C or better grade in order to student teach and graduate.**

**Ohio Assessments for Educators and edTPA:** For state of Ohio Teacher Licensure, candidates must pass all required state examinations. See faculty advisor for additional information or review the following:  
<https://www.uakron.edu/education/current-students/licensure/>.

- 002: Professional Knowledge; if student passed the edTPA during student teaching, 002 is not required**
- 029: Middle Grades Science**
- 030: Middle Grades Math**
- 043: Special Education**
- 090: Foundations of Reading**

**TRANSFER TO THE LBJFF SCHOOL OF EDUCATION:** Students can arrange for an inter-college transfer (ICT) through an appointment with their academic advisor in their current degree-granting college.

**NOTE: This document is intended to be a guide only and is subject to change without notice. Students should consult with their advisor regularly.**