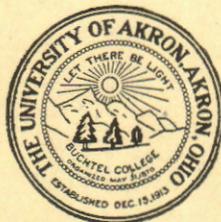


The University of Akron

AKRON, OHIO

MAY, 1943

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With Announcements For 1943-1944



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1943

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THE UNIVERSITY CALENDAR 1943

JANUARY 4, MONDAY.....	Classes resumed.
JANUARY 4-16 INCLUSIVE.....	Advance classification for day session.
JANUARY 18, MONDAY.....	Founders Day—Special Assembly held.
JANUARY 25-30 INCLUSIVE.....	Semester final examinations for day and evening sessions.
JANUARY 29, FRIDAY.....	Convocation for Conferring Degrees.
8:15 P. M.	
JANUARY 29, 30, AND FEBRUARY 1, FRIDAY, SATURDAY, AND MONDAY.....	Registration and classification of entering students.
FEBRUARY 2, 3, 4, AND 5.....	Examinations for admission; orientation program.
9:00 A. M. TO 4:00 P. M.	Day session.
FEBRUARY 2 AND 3.....	Examinations for admission to evening session.
7:00 P. M. TO 10:00 P. M.	
FEBRUARY 4, 5, AND 6.....	Final classification of students in day session.
FEBRUARY 5 AND 6.....	Registration and classification for evening session.
FRIDAY, 5:00-9:00 P. M.	
SATURDAY, 1:00-9:00 P. M.	
FEBRUARY 22, MONDAY.....	Washington's Birthday—a holiday.
APRIL 23 AND 24.....	Easter recess.
FRIDAY AND SATURDAY	
APRIL 26, MONDAY.....	Classes resumed in day and evening sessions.
MAY 10.....	Advance classification for summer session began.
MAY 15, SATURDAY.....	Examinations for candidates for graduate degrees with major or minor in psychology.
MAY 20, THURSDAY.....	Qualifying examinations for prospective teachers.
MAY 22, SATURDAY.....	Examinations for candidates for graduate degrees with major or minor in education.
MAY 24-29 INCLUSIVE.....	Semester final examinations for evening session.
MAY 30, SUNDAY.....	Memorial Day.
MAY 28, 29, 31,	
JUNE 1-4, INCLUSIVE.....	Semester final examinations in day session.
JUNE 6, SUNDAY.....	Commencement.
JUNE 11 AND 12.....	Examinations for admission.
FRIDAY AND SATURDAY	
JUNE 11 AND 12.....	Registration and classification for summer session.
JUNE 14, MONDAY.....	Summer session begins.
JULY 4, SUNDAY.....	
JULY 5, MONDAY.....	Observance of Fourth of July, a holiday.
JULY 23, FRIDAY.....	Six-week summer term closes.
JULY 24, SATURDAY.....	Registration and classification for second six-week summer term.
AUGUST 9, MONDAY.....	Advance classification for day session.
AUGUST 26 AND 27.....	Examinations for candidates for graduate degrees.
THURSDAY AND FRIDAY	
AUGUST 16, MONDAY, TO NOON	
SEPTEMBER 6.....	Registration and classification of entering students.
SEPTEMBER 3, FRIDAY.....	Summer session closes.
SEPTEMBER 3, FRIDAY.....	Convocation for Conferring Degrees.

- SEPTEMBER 13-16 INCLUSIVE.....Orientation Week.
MONDAY TO THURSDAY
- SEPTEMBER 16, 17, AND 18.....Registration and classification for day session.
THURSDAY, FRIDAY, AND
SATURDAY UNTIL NOON
- SEPTEMBER 20, MONDAY.....Classes in day session begin.
- SEPTEMBER 20 AND 21.....Examinations for admission, evening session.
- SEPTEMBER 24 AND 25.....Registration and classification for evening ses-
sion.
FRIDAY, 5:00-9:00 P. M.
SATURDAY, 1:00-9:00 P. M.
- SEPTEMBER 27, MONDAY.....Classes in evening session begin.
- NOVEMBER 16, TUESDAY.....Qualifying examinations for prospective teachers.
- NOVEMBER 25-27, INCLUSIVE.....Thanksgiving recess.
THURSDAY TO SATURDAY
- DECEMBER 20-JANUARY 1, 1944,
INCLUSIVE.....Christmas vacation.

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- JANUARY 3, MONDAY.....Classes resumed.
- JANUARY 3-15 INCLUSIVE.....Advance classification for day session.
- JANUARY 18, TUESDAY.....Founders Day.
- JANUARY 24-29 INCLUSIVE.....Semester final examinations for day and evening
sessions.
- JANUARY 28, FRIDAY.....Convocation for conferring degrees.
- JANUARY 28, 29, AND 31.....Registration and classification of entering stu-
dents.
FRIDAY, SATURDAY, AND
MONDAY
- FEBRUARY 1, 2, 3, AND 4.....Examinations for admission; orientation program.
TUESDAY TO FRIDAY, INCLUSIVE Day session.
9:00 A. M. to 4:00 P. M.
- FEBRUARY 1 AND 2
TUESDAY AND WEDNESDAY.....Examinations for admission to evening session.
7:00 P. M. to 10 P. M.
- FEBRUARY 3, 4, AND 5.....Final classification of students in day session.
THURSDAY, FRIDAY, AND
SATURDAY
- FEBRUARY 4 AND 5.....Registration and classification for evening ses-
sion.
FRIDAY, 5:00-9:00 P. M.
SATURDAY, 1:00-9:00 P. M.
- FEBRUARY 22, TUESDAY.....Washington's Birthday—a holiday.
- APRIL 6, THURSDAY.....Qualifying examinations for prospective teachers.
- APRIL 7 AND 8, FRIDAY AND
SATURDAY.....Easter recess.
- APRIL 10, MONDAY.....Classes resumed in day and evening session.
- MAY 8, MONDAY.....Advance classification for summer session begins.
- MAY 13, SATURDAY.....Examinations for candidates for graduate de-
grees with major or minor in psychology.
- MAY 20, SATURDAY.....Examinations for candidates for graduate de-
grees with major or minor in education.
- MAY 22-27 INCLUSIVE.....Semester final examinations for evening session.
- MAY 30, TUESDAY.....Memorial Day.
- MAY 29, 31, JUNE 1-3 INCLUSIVE.....Semester final examinations in day session.
- JUNE 9 AND 10, FRIDAY AND
SATURDAY.....Examinations for admission.
- JUNE 12.....Summer session begins.

UNIVERSITY FACULTY AND ASSISTANTS

1942-1943

NOTE: The dates in parentheses indicate the beginning of service at Buchtel College or the University of Akron; unless otherwise stated, service began in the month of September.

- HEZZLETON E. SIMMONS, *President of the University* (1910)
B.S., Buchtel College; M.S., University of Pennsylvania
D.Sc., College of Wooster; LL.D., University of Toledo.
- PAUL ACQUARONE, *Associate Professor of Botany and Geology* (1931)
B.S., Pennsylvania State College; Ph.D., Johns Hopkins University, 1929.
- †JOHN ADENDORFF, *Professor of Industrial Engineering* (1929)
M.E., Cornell University, 1907.
- JOANNA ALOGDELIS, *Instructor in Speech* (June, 1942)
B.A., University of Akron; M. A., State University of Iowa, 1941.
- *DAVID E. ANDERSON, *Director of City Testing Laboratory and Assistant Professor of Chemistry* (1923)
B.A., Augustana College; M.S., University of Chicago, 1923.
- FREDERIC E. AYER, *Dean of the College of Engineering, including the Daniel Guggenheim Airship Institute* (March, 1914)
C.E., Lafayette College, 1900.
- PAUL BALDACCI, *Assistant Professor of Physical Education, and Football Coach* (1942)
B.S., William and Mary College.
- SUMMERFIELD BALDWIN, 3RD, *Professor of History and Acting Head of the History Department* (February, 1943)
A.B., A.M., Ph.D. 1928, Harvard University.
- MRS. JANE S. BARNHARDT, *Professor of Art* (June, 1923)
B.E., M.Ed. 1930, University of Akron.
- §HELEN C. BATTRICK, *Adviser of Women, and Assistant Professor of Social Sciences* (August, 1937)
B.A., Ohio University; M. A., Columbia University, 1929.
- RUSSELL J. BEICHLY, *Assistant Professor of Physical Education and Basketball Coach* (March, 1940)
B.A., Wittenberg College, 1926.
- HARRY A. BENDER, *Associate Professor of Mathematics* (1928)
B.A., Ohio University; M. A., Ph. D. 1923, University of Illinois.
- LEONARD J. BISBING, *Instructor in Commerce* (1942)
B.S.Com., Regis College, Denver, Colorado; M.S.Com., University of Denver, 1939.
- MAXWELL P. BOGGS, *Treasurer of the University* (March, 1927)
B.A., Muskingum College, 1924.
- BORIS W. BOGUSLAVSKY, *Associate Professor of Structural Engineering* (June, 1942)
B.S.C.E., M.S.C.E., University of Washington;
D.Sc.C.E., Massachusetts Institute of Technology, 1938.
- CHARLES BULGER, *Dean of Graduate Study, Dean of Buchtel College of Liberal Arts, and Hilton Professor of Modern Languages* (February, 1910)
Ph.B., Buchtel College; A. M., Ph. D. 1925, University of Wisconsin.
- JOHN BULGER, *Professor of Structural Engineering (part-time)* (1918)
B.C.E., Ohio State University, 1918.
- ‡CATHERINE BYRNE, *Instructor in Physical Education* (1942)
B.S.Ed., University of Akron, 1942.
- RENA NANCY CABLE, *Assistant Professor of Art* (March, 1929)
B.E., M.Ed. 1931, University of Akron.
- LULA CAINE, *Instructor in History* (February, 1943)
A.B., University of Illinois; M.A., Ph.D. 1929, University of Chicago.
- JAMES M. CAMPBELL, *Special Instructor in String Instruments and Evening Session Instructor in English* (1933)
B.A., University of Akron; M.A., Western Reserve University, 1933.

*Entered military service.

†Entered government service.

‡Deceased, March 17, 1943.

§First semester only.

- WILLIAM B. CHAMPNEY**, *Assistant Professor of Aeronautical Engineering (1940)*
(The Daniel Guggenheim Airship Institute)
B.S., M.S. 1940, Case School of Applied Science.
- ERNEST G. CHILTON**, *Assistant Professor of Aeronautical Engineering (October, 1942)*
B.S. Aeronautics, Massachusetts Institute of Technology; M.S. Aeronautics, California Institute of Technology, 1941.
- ***WALTER A. COOK**, *Buchtel Professor of Chemistry (1926)*
B.A., M.A., Ph.D. 1924, University of Cincinnati.
- HARMON O. DEGRAFF**, *Professor of Sociology (1930)*
B.A., M.A., State University of Iowa; Ph.D., University of Chicago, 1926.
- HJALMER W. DISTAD**, *Acting Dean of the College of Education and Professor of Elementary Education (1934)*
B.S.Ed., M.S., Ph.D. 1926, University of Minnesota.
- ***OTIS W. DOUGLAS, JR.**, *Director of Athletics, and Associate Professor of Physical Education (1939)*
B.S., William and Mary College; M. A., University of Michigan, 1941.
- HOWARD M. DOUTT**, *Professor of Secretarial Science (February, 1926)*
B.A., University of Akron; M. A., University of Chicago, 1934.
- DALLAS L. DOWNING**, *Associate Professor of Vocational Education (Research in Teacher Improvement in Trades and Industries) (1937)*
B.A., Indiana State Teachers College; M.A., Columbia University; D.Ed., Indiana University, 1941.
- DALE A. DREISBACH**, *Assistant Professor of Chemistry (1941)*
B.A., Hiram College; Ph.D., Western Reserve University, 1937.
- JOHN PAUL DUNCAN**, *Instructor in Political Science (1942)*
A.B., Butler University; M.A., Ph.D. 1943, Indiana University.
- MRS. BERNICE G. DUNCAN**, *Instructor in Spanish (February, 1943)*
A.B., A.M. 1933, Butler University.
- ***ROSS C. DURST**, *Professor of Civil Engineering (June, 1917)*
B.S.C.E., C.E. 1922, Ohio Northern University.
- ELMER ENDE**, *Associate Professor of Music (1930)*
B.Mus., American Conservatory of Music, Chicago; M.A., Ohio State University, 1930.
- ***HOWARD R. EVANS**, *Dean of the College of Education, and Professor of School Administration; Director of Introductory Course in Hygiene and Physical Education (1929)*
B.A., Indiana State Teachers College; M.A., Columbia University; Ph.D., Northwestern University, 1930.
- A. JOHN B. FAIRBURN**, *Professor of Electrical Engineering (February, 1942)*
B.S., Pennsylvania State College; M.A., Columbia University, 1923; P.E., State of New York.
- †**MARGARET F. FANNING**, *Assistant Professor of Modern Languages (1927)*
B.A., University of Akron; M.A., Radcliffe College, 1926; Diploma, University of Toulouse, France, 1927.
- LYLE F. FISHER**, *Staff Sergeant, Assistant Custodian of Military Equipment (1941)*
- ELDORA FLINT**, *Associate Professor of Secretarial Science (1929)*
B.Ed., University of Akron; M.S.Ed., Syracuse University, 1935.
- VAUGHN WILBUR FLOUTZ**, *Assistant Professor of Chemistry (1941)*
B.A., Olivet College; M.A., Ph.D. 1932, University of Colorado.
- CAROLL W. FORD**, *Associate Professor of Economics (1936)*
B.A., Ph.D. 1936, Cornell University.
- HARRY K. FOSTER**, *Assistant Professor of Education and Assistant Director of Adult Education (1939)*
B.S., Bates College; M.A., University of Maine; Ph.D., State University of Iowa, 1939.
- PAUL G. FOSTER**, *Assistant Professor of Military Science and Tactics (February 1941)*
Captain Infantry, A. U. S.
- OMER R. FOUTS**, *Associate Professor of Physics (1926)*
B.A., Wittenberg College; M.A., Ohio State University, 1925.
- ROLLAND D. FOX**, *Associate Professor of Bacteriology (part-time) (1921)*
B.S., M.S. 1923, University of Akron.
- MRS. KATHERINE FRANKLIN**, *Instructor in Home Economics (April 5, 1943)*
B.S., Western Reserve University; A.M., Columbia University.
- RALPH FRENCH**, *Special Instructor in Band Instruments (November, 1942)*
B.Sc. in Ed., Ohio State University, 1934.

*Entered military service.

†Entered government service.

- FREDERICK A. FUNKHOUSER, *Special Instructor in Violin* (1939)
B.A., Oberlin College; B.Mus., Oberlin Conservatory; affiliated with the Cleveland Symphony Orchestra.
- *DONFRED H. GARDNER, *Dean of Students and Professor of History* (1924)
A.B., A.M. 1923, Princeton University.
- *FRANK M. GELBER, *Special Instructor in Band Instruments* (November, 1942)
Class of January, 1943, University of Akron.
- *WALTER A. GILMOUR, *Professor of Co-ordination* (1922)
B.S.C.E., Norwich University, 1914.
- †DWIGHT E. GRAY, *Associate Professor of Physics; Director of Introductory Course in Natural Science* (1932)
B.A., Muskingum College; M.A., Ph.D. 1932, Ohio State University.
- FRED S. GRIFFIN, *Professor of Mechanical Engineering* (1921)
M.E., Ohio State University, 1911.
- BETHUEL GROSS, *Professor of Music* (October, 1941)
A.B., B.M., Washburn College; B.M.E., M.Mus., Ph.D. 1941, Northwestern University.
- JAMES F. HAILSTONES, *Instructor in Ground School, Civilian Pilot Training, and Aeronautical Engineering* (September, 1942)
B. Aero. Eng'g., University of Detroit, 1942.
- DOROTHY HAMILTON, *Instructor in Vocational Teacher Training, in the Cleveland Public Schools (Smith-Hughes program)* (October, 1942)
- HARLAN W. HAMILTON, *Associate Professor of English* (1937)
A.B., Oberlin College; M.A., Columbia University; Ph.D., Cornell University, 1934.
- LESLIE P. HARDY, *Director of Adult Education, and Director of Summer Session* (1934)
B.S.Ed., Kent State University; M.S.Ed., University of Akron, 1935.
- GEORGE L. HAYES, *Professor of Psychology* (1921)
Ph.B., Ohio University; A.M., Ph.D. 1921, University of Pittsburgh.
- WILLIAM C. HENRY, *Instructor in Business Administration* (1941)
B.A., State Teachers College, Springfield, Missouri; M.B.A., Northwestern University, 1941.
- THOMAS C. HILLIARD, *Associate Professor of Accounting* (1935)
B.A., Nebraska State Teachers College; M.A., University of Nebraska, 1935; C.P.A. (Ohio) 1940.
- §ORVILLE A. HITCHCOCK, *Professor of Speech* (1937)
B.A., Pennsylvania State College; M.A., Ph.D. 1936, State University of Iowa.
- FRED F. HOUSEHOLDER, *Professor of Physics, and Chairman of the Division of Natural Science* (1918)
B.A., M.A. 1916, University of Wisconsin.
- E. VICKERY HUBBARD, *Assistant Professor of Physical Education* (1939)
B.S., University of Wisconsin, 1932.
- PAUL O. HUSS, *Professor of Meteorology* (January, 1941) (*The Daniel Guggenheim Airship Institute*)
B.S.Ed., B.S.E., M.S.E., Sc.D. 1935, University of Michigan.
- DONATO INTERNOSCIA, *Assistant Professor of Modern Languages* (1938)
B.A., Broadview College; M.A., Ph.D. 1938, Northwestern University.
- PETE W. JACOBY, *Assistant Professor of Military Science and Tactics* (December, 1942)
B.S., A. and M. College of Texas, 1940.
First Lieutenant, Infantry, A. U. S.
- EDGAR P. JONES, *Assistant Professor of Biology* (1932)
B.S., M.S., Ph.D. 1932, University of Pittsburgh.
- JOHN LEWIS JONES, *Ainsworth Professor of Mathematics* (February, 1920)
Ph.B., Lafayette College; M. A., Ph.D. 1911, Yale University.
- VERGIL L. KECK, *Instructor in Physics* (1942)
B.A., University of Akron, 1931.
- DON A. KEISTER, *Assistant Professor of English and Director of the Introductory Course in the Humanities* (1931)
B.A., M.A. 1933, University of Akron.
- CLARA M. KEMLER, *Associate Professor of Primary-Elementary Education* (1928)
B.A., M.A. 1926, Wittenberg College.
- DAVID KING, *Assistant Professor of Political Science* (1927)
B.A., Maryville College; M.A., University of Chicago, 1925.
- WALTER C. KRAATZ, *Professor of Biology* (1924)
B.A., University of Wisconsin; M.A., Ph.D. 1923, Ohio State University.

*Entered military service.

†Entered government service.

§On leave April 1 to September 1, 1943.

- MICHAEL M. KRINO**, *Instructor in Physical Education* (1942)
B.S.Ed., University of Akron, 1938.
- EMERY L. KUHNES**, *Professor of Education* (1923)
B.S., Upper Iowa University; Pd.M., Ph.D. 1915, New York University.
- xMRS. HAZEL WILLIAMS LAPP**, *Assistant Professor of Home Economics* (1941)
B.S., Ohio State University; M.S., University of Chicago, 1939.
- EBBA LARSON**, *Assistant Registrar* (August, 1926)
Attended the University of Akron.
- ELIZABETH A. LATHROP**, *Assistant Professor of Home Economics* (1927)
B.S., M.A. 1927, Columbia University.
- †WARREN W. LEIGH**, *Professor of Commerce and Business Administration* (1926)
B.A., University of Utah; M.B.A., Ph.D. 1938, Northwestern University.
- MISS WILL LIPSCOMBE**, *Associate Professor of Mathematics* (1921)
B.S., Florida State College; M.S., Ohio State University, 1926.
- CLARENZ LIGHTFRITZ**, *Special Instructor in Piano* (November, 1941)
Bowling Green State University; private instruction with Ernest White and Miss Rena Willis.
- §MABEL LOCKE**, *Assistant Professor of Physical Education* (1936)
B.S.Ed., Northwestern University; M.S., University of Wisconsin, 1936.
- BEN HARRISON LOGAN, JR.**, *Assistant Professor of Military Science and Tactics* (July, 1940)
B.A., University of Akron, 1939; Captain, Infantry, A. U. S.
- MAURICE E. LONG**, *Assistant Professor of Aeronautical Engineering* (January, 1939) (*The Daniel Guggenheim Airship Institute*)
M.E., M.S. 1935, University of Akron.
- W. R. MASON**, *Supervisor of Vocational Teacher Improvement, in the Cleveland Public Schools (Smith-Hughes program)* (October, 1942)
- JOHN A. McCLURE**, *Professor of Industrial Management* (February, 1943)
(*Assistant Professor of Vocational Education from August, 1942 to February, 1943*)
B.S., M.S. 1937, University of Illinois.
- HAROLD T. MCKEE**, *Associate Professor of Business Administration* (1929)
B.S., M.A. 1929, University of Pittsburgh.
- ‡HARRY W. MILLHUFF**, *Assistant Professor of Military Science and Tactics* (February, 1941)
B.S., Ohio State University, 1938; First Lieutenant, Infantry, A. U. S.
- *AUSTIN L. MOORE**, *Assistant Professor of History* (1936)
A.B., Oberlin College; A.M., Ph.D. 1938, Columbia University.
- CURTIS C. MYERS**, *Professor of Industrial Production and Director of the Daniel Guggenheim Airship Institute* (April, 1943)
M.M.E., Cornell University.
- **JAY L. O'HARA**, *Professor of Economics and Chairman of Division of Social Sciences* (January 1, 1934)
B.A., University of Michigan; Ph.D., University of Minnesota, 1927.
- MRS. VIRGINIA BRITTON OLIVO**, *Instructor in Economics* (February 1, 1943)
B.A., University of Akron; M.S., University of Chicago, 1938.
- RAYMOND B. PEASE**, *Professor of English* (1921)
B.A., University of Wisconsin, M.A., Harvard University; Ph.D., University of Wisconsin, 1921.
- MRS. RUTH PUTMAN**, *Instructor in English* (1934)
B.A., Howard College; M.A., Western Reserve University, 1938.
- RUTH MARGUERITE RAW**, *Assistant Professor of English in the College of Engineering* (1929)
B.A., M.A., Hiram College; M.A., Columbia University, 1924.
- KATHARINE M. REED**, *Associate Professor of Modern Languages* (1918)
B.A., Newcomb College; M.A., Tulane University, 1903.
- xGENEVIEVE RIDER**, *Assistant Professor of Public School Music* (1928)
B.M.Ed., Northwestern University; M.A., Western Reserve University, 1935.
- HAROLD O. RIED**, *Associate Professor of Education and Director of Introductory Course in Hygiene* (1938)
B.A., Nebraska Wesleyan University; M.A., Ph.D. 1938, University of Nebraska.

*Entered military service.

§On leave the first semester 1942-43.

‡Transferred.

**On leave for the year 1942-43.

†Entered government service.

xResigned

- EDGAR C. ROBERTS, *Assistant Professor of English* (1926)
B.S.Ed., M.A. 1924, Ohio State University.
- JEROME ROGOFF, *Instructor in Aeronautical Engineering* (July, 1941) (*The Daniel Guggenheim Airship Institute*)
B.S., University of Akron; M.A., Harvard University, 1941.
- ROBERT S. ROSS, *Instructor in Aeronautical Engineering* (May, 1942)
B.S.Mech.Eng'g, Case School of Applied Science, 1942.
- *NEWTON OWEN SAPPINGTON, *Professor of History* (1932)
B.A., Piedmont College; M.A., University of North Carolina; Ph.D., University of Wisconsin, 1932.
- †VIRGIL SCHARRER, *Instructor in Economics* (1942)
B.A., DePauw University, 1935.
- RICHARD H. SCHMIDT, *Registrar and Professor of Chemistry, Acting Head of the Department of Chemistry* (April, 1918)
B.A., Wesleyan University; M.A., Columbia University, 1915.
- FREDERICK S. SEPTON, *Professor of Physical Education* (1915)
B.S., Colgate University; M.Ed., Harvard University, 1925.
- SAMUEL SELBY, *Associate Professor of Mathematics* (1927)
A.B., A.M., University of Manitoba; Ph.D., University of Chicago, 1929.
- MRS. LUCY T. SELF, *Instructor in Secretarial Science* (February, 1933)
B.A., Ohio Wesleyan University, 1920.
- AMY LOUISE SHAW, *Instructor in Secretarial Science* (1942)
B.S.Sec.Sci., University of Akron; M.C.S., Boston University, 1942.
- ROY V. SHERMAN, *Professor of Political Science and Director of Introductory Course in Social Science* (1929)
B.A., M.A., Ph.D. 1927, State University of Iowa.
- KENNETH F. SIBILA, *Assistant Professor of Electrical Engineering* (February, 1940)
B.S.E.E., M.S.E.E. 1937, Case School of Applied Science.
- †FRANK SIMONETTI, *Acting Adviser of Men, and Instructor in Business Administration* (February, 1942)
B.S.Bus.Adm., University of Akron; M.B.A., Boston University, 1941.
- HARRY A. SMITH, *Associate Professor of Physical Education* (1928)
B.E., M.Ed. 1929, University of Akron.
- PAUL C. SMITH, *Associate Professor of Electrical Engineering* (1925)
B.S.E.E., Purdue University, 1917.
- ‡PHILIP E. SNYDER, *Assistant Professor of Military Science and Tactics* (June, 1942)
B.S., University of Akron, 1939.
First Lieutenant, Infantry, A. U. S.
- ALBERT I. SPANTON, *Dean Emeritus of Buchtel College of Liberal Arts, Vice President of the Faculty, and Pierce Professor of English* (1900)
Ph.B., Buchtel College; M.A., Harvard University, 1905; Litt.D., University of Akron, 1938.
- †D. GLENN STARLIN, *Instructor in Speech* (1940)
B.A., State University of Idaho; M. A., State University of Iowa, 1939.
- JOHN F. STEIN, *Special Instructor in Voice* (1933)
Private instruction with Herbert Witherspoon, Enrico Rosati, and Maria Kurenko.
- JULIA SWEDENBURG, *Assistant in the Speech Department* (February, 1943)
Class of June, 1943, University of Akron.
- ERNEST A. TABLER, *Assistant Director of Adult Education, and Assistant Professor of Mathematics*
B.S., Kent State University; M.A., Western Reserve University, 1933.
- AUDRA TENNEY, *Assistant Professor of Secretarial Science* (1926)
B.A., University of Akron; M.A., New York University, 1936.
- MRS. HELEN S. THACKABERRY, *Instructor in English* (February, 1940)
B.A., M.A. 1937, State University of Iowa.
- ROBERT E. THACKABERRY, *Assistant Professor of English* (1938)
B.A., M.A., Ph.D. 1937, State University of Iowa.
- THEODOR H. TROLLER, *Director of Research at the Daniel Guggenheim Airship Institute and Professor of Aeronautical Engineering* (January 31, 1931)
D.Eng'g., Technical College of Aachen, Germany, 1928.
- ALBERT L. TUTTLE, *Professor of Military Science and Tactics* (July, 1942)
Stanford University; University of Puerto Rico.
Lieutenant Colonel, Infantry, U.S.A.

†Entered government service.

*Entered military service

‡Transferred.

- PAUL E. TWINING, *Assistant Professor of Psychology* (November, 1941); *Acting Adviser of Men*, April, 1943.
B.S., Ottawa University (Kansas); M.A., University of Kansas; Ph.D., University of Chicago, 1938.
- CLARENCE R. UPP, *Associate Professor of Mechanical Engineering* (1925)
M.E., Ohio State University, 1910.
- ULYSSES S. VANCE, *University Editor* (1923)
B.A., State University of Iowa, 1923.
- DONALD S. VARIAN, *Instructor in Speech* (1934)
B.A., M.A. 1934, University of Wisconsin.
- WILLIAM WHEELER, *Special Instructor in Voice* (1942)
B.A., Beloit College; B.A., Ithaca Conservatory of Music, 1902.
- GEORGE STAFFORD WHITEBY, *Professor of Rubber Chemistry and Director of Rubber Research* (1942)
A.R.C.Sc., B.S., University of London; M.S., Ph.D., D.Sc. 1939, McGill University.
- MRS. FLORENCE N. WHITNEY, *Instructor in English* (1936)
A.B., Dakota Wesleyan; A.M., Columbia University, 1913.
- EARL R. WILSON, *Assistant Professor of Engineering Drawing* (1929)
B.M.E., Ohio State University, 1916.
- ISABELLA C. WILSON, *Professor of Home Economics* (1942)
A.B., University of Illinois; M.A., Ph.D. 1936, Teachers College, Columbia University.
- MARY H. WILSON, *Instructor in Home Economics* (April, 1943)
B.S., Iowa State College, 1932.
- MRS. B. EVANGELINE WITZEMAN, *Special Instructor in Education* (1942)
B.S. in Home Economics, M.S.Ed. 1931, University of Akron; Ph.D., Western Reserve University, 1940.
- ALVIN C. WOLFE, *Instructor in Chemistry* (October, 1942)
A.B., M.S., Ph.D. 1941, Ohio State University.
- CARY C. WOOD, (Retired) *Special part-time Professor of Philosophy and Psychology*
B.S., Ohio University; A.M., Columbia University; Ph.D., University of Cincinnati, 1928.
- ARTHUR M. YOUNG, *Professor of Latin and Greek, and Chairman of the Division of Humanities* (1930)
A.B., A.M., Ph.D. 1930, Harvard University.

LIBRARY STAFF

- JOSEPHINE A. CUSHMAN, *Librarian* (August, 1919)
Ph. B., University of Akron; B.L.S., University of Illinois, 1919.
- GENE J. PRESTON, *Cataloger* (1939)
B.A., Northwestern University; M.A., University of Illinois, 1936.
- MARY GRACE HARRINGTON, *Circulation Librarian* (1933)
B.A., University of Akron; B.A.L.S., University of Michigan, 1939.
- §ELSIE L. HENNIGAR, *Reference Librarian* (1936)
B.A., University of Michigan; B.S.L.S., University of Illinois, 1936.
- DOROTHY HAMLIN, *Reference Librarian* (February, 1936)
B.A., University of Akron; B.S.L.S., Western Reserve University, 1942.
- LOIS LIEBEGOTT MYERS, *Order Librarian* (1939)
B.A., Wittenberg College; B.S.L.S., Carnegie Institute of Technology, 1939.
- ANN HAMILTON FOSTER, *Circulation Assistant in charge of the Reserve Room* (1941)
B.A., University of Akron, 1941.
- §FRANCES MOSKOVITZ, *Circulation Assistant* (1941)
B.A., University of Akron, 1941.
- *MARTHA E. GREEN, *Circulation Assistant* (October, 1942)
B.S.Ed., University of Akron, 1942.
- †ALICE L. CLOVER, *Cataloger's Assistant* (June, 1942)
B.A., University of Akron, 1942.

§Resigned.

*Entered military service.

†Entered government service.

ASSISTANTS

- RUTH HEPPPEL, in the Biology Department; instructor in the Evening Session
B.S., Muskingum College, 1941.
- ANDREW KOCHMAN, Assistant in the Department of Speech (March 25, 1943)
Class of June, 1943, University of Akron.
- MAX LANCASTER, Assistant in the Department of Physics (April 1, 1943)
Class of June, 1943, University of Akron.
- MRS. GLADYS CHAMBERS ROBINSON, in the Departments of Biology and Chemistry
A.B., Louisiana State Normal College; M.S., University of Chicago, 1931.
- MRS. DOROTHY SCHOTTA VAN SICKLE, Accompanist in the Music Department
B.S.Ed., University of Akron, 1936.

UNIVERSITY HEALTH SERVICE

- A. V. GOLD, M. D., (September 1 to November 30, 1942), University Physician
- JAMES W. GERMAN, M. D., (December 1, 1942 to March 15, 1943,) University
Physician
- MRS. FRANCES WEIMER, (June 1, 1942 to January 1, 1943), Nurse
- MRS. EMMA HENRY, (January 1, 1943 to date), Nurse
- W. E. MOORE, M. D., (October 15, 1942), Psychiatrist

RUBBER TECHNOLOGY INSTITUTE

- JAMES W. SCHADE Director
A.B., Cornell University.

(In co-operation with the State Board for Vocational Education)

TRAINING WITHIN INDUSTRY BRANCH OF THE LABOR DIVISION,
OFFICE OF PRODUCTION MANAGEMENT

- HARVEY B. HEISER, Area Co-ordinator in Northeastern Ohio, (January 15, 1942)
- EDGAR S. TAYLOR, Administrative Assistant, (January 26, 1942)

PART-TIME INSTRUCTIONAL STAFF

(Not on the regular Day Session staff)

SUMMER SESSION — 1942

- L. L. EVERETT, B. S. School Management
Barberton Public Schools
- CARL COFFEEN, B.S., M. A. School Management
Superintendent of Summit County Schools
- KENNETH L. HEATON, PH.D. Workshops
Workshop Adviser Service, Northwestern University.
- E. T. MCSWAIN, PH.D. Education
School of Education, Northwestern University.
- HUBERT GROVE, B.M., M.S. Metallurgy
Republic Steel Company, Canton, Ohio.
- SIMON L. WANSKY, IND. E. Industrial Production
The B. F. Goodrich Company.
- MRS. ADENA HANDWERK, B.A.ED. Business English
Akron Public Schools.
- MARGARET ROOK, B.E., M.A. Education
Akron Public Schools.
- C. E. FISCHER Engineering Drawing
M.E., University of Cincinnati, 1929.
- JOHN LOWRY Transportation
Traffic Commissioner, Akron Chamber of Commerce.
- JOANNA ALOGDELIS, B.A., M.A. Speech
Akron, Ohio.
- GLADYS M. WELLS, Certificate of Dalcroze Eurythmics Workshops
Cleveland Institute of Music.
- JAMES BARNET Chemistry
Chemistry Department, University of Akron.
- FRANK DUNDERMAN, B.S. Chemistry
University of Akron, 1942.
- M. O. SHARP, B.M. Music
Cleveland, Ohio.
- ESTELLE R. HANDLEY, B.S.ED. Music
University of Akron, 1942.

Activity School and Workshop Groups

MRS. MARY LOUISE BEVERLY, B.S.Ed. Assistant Principal of Spicer School.	ROSE MARY KRAUS, B.E., M.A. Akron Public Schools.
EDNA E. BYRNE, B.S. Miles Standish School, Cleveland, Ohio.	MRS. DOROTHY Q. WALDSMITH, Ph.B., B.Ed. Shaker Heights, Moreland School.
ANNE M. DOBBINS, B.Ed. Akron Public Schools	MARGARET WATKINS, B.S. Fairlawn School.
FLORENCE LINSINMEIER, B.S. Robert Fulton School, Cleveland, Ohio.	FANNIE WALCOTT Akron Public Schools
EMILY R. GIBSON, A.B. Akron Public Schools.	JOYCE HALL, Class of January, 1943 University of Akron.

CRITIC TEACHERS—1942 Summer Session

GLENN L. BOOTS	Perkins Playground
RUTH CHAMBERLAIN	Barberton
L. L. EVERETT, B.S.	Barberton
BERNICE HENRY, B.A., M.A.	West High School
GLADYS PARSHALL, B.A.	Central High School
NORA SANTROCK, B. Ed.	Barberton
LUTHER SMITH, A.B.	East Reservoir Playground
MILDRED WEATHERFORD	Central High School
ROBERT WHITE, B.S.	Firestone Playground

1942-43 EVENING SESSION

JOSEPH M. ANDALMAN	Algebra
B.A., University of Chicago; M.S., State University of Iowa, 1941.	
W. M. BECKER	Engineering Drawing
B.S.M.E., University of Minnesota, 1936; South Dakota State College.	
JAMES M. CAMPBELL	English
B.A., University of Akron; M. A., Western Reserve University, 1938.	
JOHN R. CLARKE	Personnel Management
A.B., College of Puget Sound; M.S., Purdue University, 1939.	
DONALD H. CORNELL	Engineering Drawing
B.M.E., University of Akron, 1939.	
H. WEBSTER CRUM	Introduction to Aviation
C.E., Ohio State University.	
JAMES D'IANNI	Chemistry
B.S., University of Akron; M.S., Ph.D., University of Wisconsin.	
WILLIS H. EDMUND	Municipal Recreation
B.S., Ohio State University; M.A., New York University, 1932.	
KEITH L. EMBERSON	Aircraft Materials and Construction
B.S., University of California; Certificate, Mechanical Technical Courses, Pasadena Junior College, 1933.	
ANNA MAE FLINT	Shorthand
B.S.Sec.Sci., University of Akron, 1932.	
HUBERT R. GROVE	Metallurgy
B.M.E., M.S. 1932, Ohio State University.	
E. K. HAMLEN	Engineering Drawing
B.M.E., University of Akron, 1929.	
MRS. ADENA HANDWERK	Business English
B.A.Ed., University of Akron, 1941.	
FLOYD HERSH	Accounting
C.P.A., Ohio; Firestone Tire and Rubber Company.	
RALPH R. HILLBOM	Commercial Art
Art Director, B. F. Goodrich Company.	
MRS. SARAH C. KLIPPERT	English
B.A., M.A. 1927, Ohio State University.	

ROSE MARY KRAUS	Handicrafts
B.E., University of Akron; M.A., Columbia University.	
ARTHUR H. KRUSE	Community Organization
B.A., University of Akron; M.A., Syracuse University; M.S., Western Reserve University, 1942.	
FRANK LARUE	Engineering Drawing
B.S.M.E., State University of Iowa.	
JAMES C. LAURENCE	Algebra
B.A., M.A. 1933, University of Akron.	
ROBERT MCCURDY	Mathematics
B.M.E., University of Akron, 1941.	
RUTH A. MASON	Typewriting
B.S.Ed., University of Akron, 1940.	
R. F. MILLER	Industrial Electricity
B.Elec.Eng'g., University of Akron, 1938.	
FRIEDL MOCH	Crafts
School of Applied Arts, Nuremberg, Germany; Cleveland School of Art, 1937-38.	
JANET NOLAN	Child Welfare
B.A., University of Minnesota; M.Soc.Sci., Smith College, 1941.	
WILLIAM PETRY	Machine Drawing
B.S.M.E., University of Missouri, 1937.	
THOMAS M. POWERS	Business Law
B.A., Cornell University; LL.B., Cleveland School of Law.	
MARY A. PUSATERI	Spanish
B.A., B.S.Ed., M.A. 1938, Ohio State University.	
MARY RIBLET	Art for the Grades
B.E., Cleveland School of Art.	
MABEL M. RIEDINGER	English
B.A., Mount Union College; A.M., University of Chicago, 1930.	
ANTON G. SEIFRIED	Electrical Engineering
E.E., University of Akron, 1931.	
NORMAN SMITH	Purchasing
A.B., University of Akron.	
LEWIS C. TURNER	Business and Professional Public Speaking
B.A., Hiram College; M.A., University of Akron, 1929.	
FRED CARR VAN ARSDELL	Strength of Materials
B.S.M.E., University of Kentucky, 1939.	
SIMON L. WANSKY	Industrial Production Time Study
Ind. Engr., University of Akron, 1933.	
LISTER O. WEISS	Algebra
B.S., Wooster College; M.A., Columbia University, 1927.	
L. R. WELLNER	Aircraft Drawing
ROBERT WILSON	Radio Class
WADC Broadcasting Station	
HAZEL L. WRIGHT	Shorthand
B.S.Ed., University of Akron, 1942.	

CIVILIAN PILOT TRAINING

JAMES F. HAILSTONES (September 21, 1943)	Aircraft Ground School
B.Aero.Eng'g, University of Detroit, 1942.	
GEORGE B. VAN DURMEN (May 15, 1942)	Ground School

RUBBER RESEARCH STAFF

DR. G. STAFFORD WHITEY, <i>Professor of Chemistry, Director</i>
SEYMOUR KAPLAN, <i>Full-time Assistant</i>
B.A., Cornell University; M.S., Northwestern University, 1943.
Part-time Assistants
DR. DALE DREIBACH, <i>Assistant Professor of Chemistry</i>
DR. ALVIN C. WOLFE, <i>Instructor in Chemistry</i>
JOSHUA STAMPHER, <i>Graduate Student, University of Akron</i>
B.S., University of Chicago.

**AKRON PUBLIC SCHOOL OFFICERS AND TEACHERS
CO-OPERATING WITH THE COLLEGE OF EDUCATION**

OTIS C. HATTON, M.A. Superintendent of Schools
 *HOWARD R. EVANS, PH.D. Principal, Spicer Demonstration Laboratory School
 MARY LOUISE BEVERLY, B.S.Ed. Acting Principal of Spicer School

TEACHERS IN SPICER DEMONSTRATION LABORATORY SCHOOL

ANNE M. DOBBINS, B.Ed.	BESSIE PECK, B.S.Ed.
SOPHIA G. GALLETTS	CATHERINE REDINGER
EMILY GIBSON, B.A.	MARY REDINGER
VIRGINIA GILLOOLY, B.E., B.A.	EULALIE SAUVE
GRACE ION	DOROTHY SCHORLE, B.S.Ed.
MARY J. KIRK	JANET SCHULTZ, B.E.
ROSE MARY KRAUS, B.E., M.A.	FANNIE WALCOTT
VESTA LEIGHT	OLGA ZEMLANSKY, B.E.
LUCILLE F. McCONNELL, B.S.Ed.	

CRITIC TEACHERS

School	School
ROSE AHERN, B.Ed. Forest Hill	VESTA LEIGHT Spicer
MARGARET ALLEN, M.Ed. West High	LUCILLE McCONNELL, B.S.Ed. Spicer
RUTH AMRINE, B.S.Ed. Garfield High	MARY McCOWAN, A.B. East High
GLADYS ARBOGAST, B.Ed. South High	MARY R. MOSTENIC, B.A., B.Ed. East High
MARY I. BARLOW, B.E. Schumacher	RUTH MYERS Leggett
BERNHARD BERG Mason	MARGARET OECHSNER, A.B. Buchtel High
LOUDELL BOYES, A.B., B.Ed. Garfield High	MOULTON ORMEROID Garfield High
JAMES M. CAMPBELL, B.A., M.A. Itinerant	GLADYS PARSHALL, B.A. Central High
MRS. GERTRUDE MARLSON Lane	BESSIE PECK, B.S.Ed. Spicer
INEZ CLINGER, B.S.Ed., M.A. Rankin	HELEN PFAHL, Ph.B., M.A. Buchtel High
MRS. MARIAN CORNELL Fraunfelder	MARY PUSATERI, A.B., M.A. South High
MRS. KATHERINE DEITZ, B.Ed. Lane	MILDRED RAUSCH, B.A. Portage Path
ANNE DOBBINS, B.Ed. Spicer	CATHERINE REDINGER Spicer
CLARA ECKERT Mason	MARY REDINGER Spicer
SOPHIA GALLETTS Spicer	EDITH RICHARDS Lane
FRANCES GIBBS Schumacher	EULALIE SAUVE Spicer
EMILY GIBSON, B.A. Spicer	MILDRED SCHERBARTH, B.S.Ed. Grace
VIRGINIA GILLOOLY, B.Ed., A.B. Spicer	DOROTHY SCHORLE, B.E. Spicer
CLARA GOSS, B.Ed. Buchtel High	JANET SCHULTZ, B.E. Spicer
LUCLE GUSTAFSON, B.S., M.A. Buchtel High	MARJORIE SKEWES, B.S. Garfield
VIDA HALL, B.Ed. South High	AILENE SLATER Portage Path
PHYLLIS HISGEN, B.S. South High	HAZEL ANN SMITH Voris
HARLAND HORTON, B.A., M.A. Buchtel High	LILLIAN STARKEY East High
HENRY HORST, Ph.B., M.A.Ed. West High	MRS. MABEL VAN CAMP Schumacher
GRACE ION Spicer	MARIE WAKEFIELD, A.B. Central High
ISA KECK, B.S. Central High	FANNIE WALCOTT Spicer
ELIZABETH KERR, B.Ed., M.Ed. Rankin	MURIEL WALKER, B.A., B.E. Central High
MARY KIRK Spicer	VERNA WALLACE Garfield High
ROSE MARY KRAUS, B.Ed., M.A. Spicer	ROBERT WHITE, B.S. North High
	LUCY WHITNEY, Ph.B. Findley
	OLGA ZEMLANSKY, B.E. Spicer

OUTSIDE OF AKRON

LUCILLE ANDERSON	Barberton, Ohio
F. H. CLOSE	Wadsworth, Ohio
MRS. MARY JANE QUEEN	Barberton
FERN SWIGART, B.S.	Cuyahoga Falls, Ohio
ALBERTA THOMPSON, B.S.	Cuyahoga Falls
KATHERINE WYRE, B.A., M.A.	Cuyahoga Falls

*Entered military service.

COMMITTEES OF THE UNIVERSITY FACULTY 1942-1943

EXECUTIVE

Simmons, Ayer, C. Bulger, Distad, Hardy, Weeks (Secretary)
(Dean Bulger, chairman in President Simmons' absence)

COMMITTEE OF DEANS

C. Bulger (Chairman) Ayer, Evans.

ADMISSIONS AND ADVANCED STANDING

Schmidt, C. Bulger, Ayer, Distad, Hardy, Mrs. Keating

CLASSIFICATION

<i>Buchtel College of Liberal Arts</i>	Registrar, Dean of Buchtel College of Liberal Arts, and Heads of Depts.
<i>The College of Engineering</i>	Registrar, Dean of the College of Engineering, and Heads of Depts.
<i>The College of Education</i>	Registrar, Dean of the College of Education and all members of the College of Education Faculty.
<i>The General College</i>	Registrar, Keating, and Heads of Departments.
<i>The Division of Adult Education</i>	Registrar, Director of Adult Education, Heads of Departments of all Colleges.
<i>Graduate Study</i>	Registrar, Dean of Graduate Study and Heads of Depts. of all Colleges.

LIBRARY

Cushman, Spanton, Ayer, C. Bulger, Distad.

UNIVERSITY TEACHING AND TESTING

R. V. Sherman, Gray, Hamilton, Ried, H. Foster.

DISCIPLINE

Simmons, C. Bulger, Ayer, Distad; (Members ex officio: *Batrick, President of the Student Council, and President of the Women's League)

EXTRA-CURRICULAR ACTIVITIES

*Batrick, Hitchcock, Gross, Simonetti, Manager of the Student Building, President of the Student Body, President of the Women's League, and Editor of the Evening Session Senate.

ASSEMBLY

*Batrick, Hitchcock, Gross, Simonetti, Manager of the Student Building, President of the Student Body, President of the Women's League, and Editor of the Buchtelite.

ADULT EDUCATION—ADVISORY

Hardy, C. Bulger, Ayer, Distad.

STUDENT LOANS

Boggs, *Batrick, Simonetti.

ASHTON PUBLIC SPEAKING CONTESTS

Hitchcock, Boggs, King.

PIXLEY SCHOLARSHIPS

Schmidt, Bulger, Distad, Keating.

WAR EFFORT

Hamilton, Ford, Distad, H. Foster, Henry.

*Deceased March 17, 1943.

GENERAL INFORMATION

HISTORICAL STATEMENT

The University of Akron was created as a municipal institution by an ordinance of the Akron City Council, passed on August 25, 1913. This ordinance accepted in behalf of the city the offer of the Trustees of Buchtel College to give to the city the entire plant and endowment of the college as the nucleus of a municipal university, the Council promising in behalf of the city to support properly the new institution thus created. After the transfer of property had been completed by President Kolbe and Secretary Olin for the Trustees of Buchtel College, Mayor Rockwell on December 15, 1913, together with City Solicitor Taylor accepted the deeds of transfer in behalf of the city and appointed nine citizens of Akron as members of the Board of Directors of the Municipal University of Akron.

Buchtel College, the institution thus turned over to the city of Akron, was founded in 1870 by the Ohio Universalist Convention and took its name from its most generous benefactor, Hon. John R. Buchtel, who consecrated his life and his wealth to its support. It was chartered by the Ohio Legislature in the same year as a College of Liberal Arts and Letters and first opened its doors for the admission of students in September, 1872.

By the terms of transfer to the City of Akron, provision was made that Buchtel College retain its name and identity as Buchtel College of Liberal Arts of the municipal university.

In September, 1926, by action of the Board of Directors, the name of the university was changed to The University of Akron.

The University of Akron, being supported in large part by public taxation, is entirely non-sectarian.

PRESIDENTS OF BUCHEL COLLEGE

*S. H. McCOLLESTER, D.D. Litt.D.	1872-1878
*E. L. REEFORD, D.D.	1878-1880
*ORELLO CONE, D.D.	1880-1896
*CHARLES M. KNIGHT, Sc.D. (ad interim)	1896-1897
*IRA A. PRIEST, D.D.	1897-1901
*A. B. CHURCH, D.D., LL.D.	1901-1912
*PARKE R. KOLBE, Ph.D., LL.D.	1913-1914

PRESIDENTS OF THE UNIVERSITY OF AKRON

*PARKE R. KOLBE, Ph.D., LL.D.	1914-1925
GEORGE F. ZOOK, Ph.D., LL.D.	1925-1933
HEZZLETON E. SIMMONS, D.Sc., LL.D.	1933-

* Deceased

ADMISSION TO THE UNIVERSITY

Students are admitted to the University by high school certificate and the Orientation Week examinations or honorable dismissal from other colleges and universities, or if qualified by reason of maturity and experience and over 21 years of age, as special students not in candidacy for a degree. See under General College.

ADMISSION FROM OTHER COLLEGES

Candidates for admission with advanced standing should have transcripts (together with an honorable dismissal) sent directly from the institution last attended to the University Registrar.

For admission, the student must be eligible to re-enter the institution from which he desires to transfer, and must have a satisfactory scholastic record.

In general, 16 credit hours a semester represent a full allowance of credit. Such evaluations and credit allowances are tentative, and depend upon a satisfactory quality of work at the University of Akron. Their validity also depends upon the completion of the course in the standard length of time.

A degree will not be granted a student entering with advanced standing from another college or university unless he spends a full year in residence and completes 32 credit hours of work, three-fourths of which must be done in the college granting the degree. It is expected that the student will do his last year's work at the University of Akron.

REQUIREMENTS FOR DEGREES

Students on the full-time basis must present 128 semester hours with necessary quality points. Engineering students must present 149 semester hours with the necessary quality points.

Candidates for a degree are required to file an application with the Registrar by March 1 of their senior year.

DEGREE WITH DISTINCTION

Students who have an average grade of 90 per cent, (or a quality point ratio of 3.25) or better over all the work taken during the four undergraduate years shall be graduated with distinction. At least three of the four years of work must be done at the University of Akron. The words "with distinction" shall appear upon the diploma and upon the commencement program.

EMPLOYMENT FOR STUDENTS

The Office of the Dean of Students serves as a clearing center for employment opportunities which come to the University. Students who need some employment in order to earn money to meet their expenses should make application at this office and they will be informed of available openings. Students who must earn a large portion or all of their expenses may carry lighter schedules.

ACTIVITIES

The University of Akron offers a well-rounded student program of extra-curricular activities through such organizations as the Student Council, Women's League, Y. W. C. A., The Buchtelite (semi-weekly student newspaper), The Tel-Buch (student yearbook),

athletics for men and women, departmental clubs, sororities and fraternities. This program is facilitated by the Student Building lounge, cafeteria, dining room, and recreation rooms.

INTERCOLLEGIATE ATHLETICS

Intercollegiate sports are under the administration of a Faculty Committee appointed by the President.

INTRAMURAL SPORTS

All day students carrying eight credit hours or more may participate in intramural athletics. The sports are conducted for everyone with the aim of providing good wholesome recreation and physical exercise. To attain this end the department makes an effort to have each student in the University enrol in one or more of the scheduled activities.

ATHLETIC INJURIES

Students training for, or participating in, athletic competition, do so voluntarily and assume the risks incident thereto. The University assumes no legal responsibility or obligation to meet the expense of the treatment of injuries received by athletes while training for, or participating in, intercollegiate sports, unless the treatment is first authorized by the University medical officer for athletes.

STUDENT ACCIDENTS

The University of Akron assumes no responsibility for accidents to students which may occur incident to attendance at or participation in classroom, gymnasium, or laboratory work.

GYMNASIUM LOCKERS

Gymnasium lockers are obtained by depositing \$1.00 at the office of the Treasurer of the University.

THE UNIVERSITY HEALTH SERVICE

To provide for the student body necessary phases of health promotion not included in the field of physical education, the University Health Service has been established. Complete physical records and a follow-up system are maintained. The medical examinations conducted by the Health Service and the posture and physical efficiency tests conducted by the Department of Physical Education are combined. The University Physician is in his office in Curtis Cottage one and one-half hours each day. A registered nurse is on duty daily.

MILITARY SCIENCE AND TACTICS

In 1919 the United States Government established at the University of Akron a unit of the Reserve Officers' Training Corps. All men students are required to take Military Science and Tactics unless exempted because of physical disability, age, or other reasons.

STANDARDS

The University of Akron maintains high academic standards and is accredited by the North Central Association of Colleges and the Ohio College Association. It is a member of the American Council

on Education, the Association of American Colleges, the Association of Urban Universities, and the American Association of Teachers Colleges. It is included in the approved list of the Association of American Universities for admission of graduates to graduate and professional schools, and is approved for pre-medical work by the American Medical Association. The Committee on Professional Training of the American Chemical Society has approved the work of the University of Akron in the field of Chemistry for the professional training of chemists. Curricula in Electrical Engineering and Mechanical Engineering (including options in Aeronautics and Industrial Engineering) are accredited by the Engineers' Council for Professional Development. Its women graduates with approved degrees (requiring at least two years or a minimum of 60 credit hours of non-professional, non-technical work which would be credited toward an A. B. degree) are eligible to membership in the American Association of University Women.

BUILDINGS AND EQUIPMENT

The University campus lies on Buchtel Avenue at the head of College Street, only a short distance from the city's business center.

Buildings on the campus include Buchtel Hall, in which are located the administration offices and eight classrooms; Carl F. Kolbe Hall, housing Bierce Library; Knight Chemical Laboratory; Crouse Gymnasium; R. O. T. C. Armory; Curtis Cottage, housing the department of home economics, including laboratories and the University Health Service; Phillips Hall, housing the art department; Olin Hall, at present occupied by the department of biology, with laboratories, and the department of political science; Simmons Hall, housing the departments of commerce, secretarial science, and physics as well as the work of the College of Engineering in classroom and laboratory; and the central heating plant.

The University Student Building, first occupied in 1939, was constructed by means of a loan and grant from the Public Works Administration. It contains dining room facilities, the book store and a little theatre with lighting equipment, carpenter shop and dressing rooms. Other space in the building is occupied by offices of student publications, meeting and game rooms, and lounge.

The Music Department is housed in a two-story building at 227 East Center Street. This building is leased by the University to provide adequate facilities for the work of the department. It contains two large rooms for orchestra, band, and choral groups on the first floor, and a number of small rooms on the second floor for offices, studios, and practice rooms.

Departmental libraries are maintained in Olin Hall for the biology department, in Simmons Hall for the departments of engineering and physics, in Phillips Hall for art, and in Curtis Cottage for home economics.

The facilities of Bierce Library are open to the citizens of Akron.

Through the courtesy of the Board of Education of the Akron Public Schools, the College of Education occupies a part of the nearby Spicer School building for classroom and office purposes.

The athletic field and stadium are situated about two blocks from the campus. The intercollegiate contests in football are held at the Akron Rubber Bowl.

BIERCE LIBRARY

The University Library, known as Bierce Library in recognition of a bequest received from General L. V. Bierce in 1874, occupies Carl F. Kolbe Hall. It contains 61,653 cataloged volumes, 23,400 pamphlets, and a considerable amount of other material (not counted) concerning the history of Buchtel College and the University of Akron, as well as 477 current periodicals, and 1,076 music recordings.

THE CITY TESTING LABORATORY

The City Testing Laboratory was created January 1, 1914, by a proposal made by the Board of Directors and accepted by the Akron City Council. Until November, 1930, it was known as the Bureau of City Tests. Much of the chemical and physical testing work of the city is done in the laboratory. The laboratory is conveniently close to the testing equipment of the engineering laboratories.

THE DANIEL GUGGENHEIM AIRSHIP INSTITUTE

The Guggenheim Foundation for the Promotion of Aeronautics, which was established in 1926 by the late Daniel Guggenheim, made a gift in October, 1929, to the University of Akron and the California Institute of Technology jointly for the study of lighter-than-air problems. This gift was supplemented by a contribution from the City of Akron, especially for the erection of a suitable building. These gifts were secured largely through the efforts of Dr. George F. Zook.

The Guggenheim Airship Institute building is located at the northwest corner of the Municipal Airport. The main building, four stories in height, was completed in 1932, and a one-story addition to accommodate a gust tunnel was built in 1936. For further information concerning the equipment of the Institute, see the Engineering College section of this catalog.

On October 19, 1934, the original contract expired, and upon agreement of the parties concerned, control of the institute was transferred to the University of Akron under the directorship of Dr. Theodor Troller. Dr. Theodor von Karman, who had served as Director for the five years, is now Technical Consultant. In connection with the fundamental research carried on at the institute a certain amount of testing is done for industry, for which a charge is made.

At the June 7, 1940, meeting of the Board of Directors, the Daniel Guggenheim Airship Institute was made an integral part of the College of Engineering, and the staff of the Institute were given academic status as members of the Engineering College faculty.

THE RUBBER TECHNOLOGY INSTITUTE

The University, believing it to be eminently fitting to have in Akron (often called the "rubber city" of the United States) a staff of research scientists and adequate facilities for the study of basic problems related to the rubber industry, and further realizing the need for instruction in the technology of rubber for groups of newly graduated chemists, physicists, and engineers who come each year from various parts of the country to enter the employ of the Akron rubber companies, created a Rubber Technology Institute in the fall of 1942. Through the support of three of the rubber companies, namely, the Goodyear Tire and Rubber Company, the Firestone Tire and Rubber Company, and the B. F. Goodrich Company, it became possible to inaugurate a course of lectures on rubber technology. These cover basic facts relating to the materials from which rubber goods are made, the manufacturing operations and the evaluation of important products. They are fully illustrated by specimens and lantern slides, and are open without charge to qualified employees of the supporting companies.

FEES AND EXPENSES

All fees are payable at the Treasurer's office before the student enters classes.

CLASSIFICATION OF CHARGES

Tuition is not charged to legal residents of Akron. Tuition charges for those not legal residents of Akron are shown below.

A *Graduation Fee* is payable in connection with the Bachelor's degree and Master's degree.

A *Maintenance Fee* is paid by all students. The amount of the fee depends upon the number of credit hours taken.

Student Activity Fee (Day Session) payable by all undergraduate students enrolled for 8 credit hours or more. Payment of this fee provides support for the extra-curricular activities program.

(Evening Session) payable by all evening session students. Payment of this fee aids in the support of activities of the evening students.

(Summer Session) payable by all summer session students. Payment of this fee aids in the support of activities of the summer students.

Student Building Fee, payable by all students in all sessions, makes available the facilities of the student building.

Laboratory and Breakage Deposits are charged in some courses to cover the materials used.

Late Registration Fee.

Miscellaneous Fees.

Refunds.

SUMMARY STATEMENT

For ease in determining approximate costs for each semester, the following tabulation indicates a typical charge of a day student enrolled for a normal full time schedule of work of 16 hours each semester of the academic year.

	First Semester	Second Semester
Tuition fee, for non-residents of Akron	\$ 90.00	\$ 90.00
Maintenance fee, for all students	35.00	35.00
Student activity fee, for all students	7.00	3.00
Student building fee	3.00	3.00
Library fee	1.50	1.50
	<hr/>	<hr/>
Total for non-residents of Akron	\$136.50	\$132.50
Total for residents of Akron	\$46.50	\$42.50

For less than 11 semester hours of college work the fees are accordingly less. Laboratory fees, deposits and books are additional and vary with the courses taken.

TUITION FEES

Payable only by non-resident students in the day session:

	Each Semester
For 1 to 5 credit hours inclusive, per credit hour	\$ 8
For 6 credit hours	35
For 7 credit hours	50
For 8 credit hours	60
For 9 credit hours	70
For 10 credit hours	80
For 11 credit hours or more	90

Payable only by non-resident students in the evening session:

For less than 7 hours	No charge
For 7 to 10 hours inclusive, per credit hour in excess of 6	20
For 11 credit hours or more	90
Summer Session, 12 week term, per credit hour	6

RULES GOVERNING TUITION

(Adopted March 14, 1941)

Legal residents of the City of Akron shall not be charged tuition in any College or Division of the University.

In applying this rule, the following persons, if citizens of the United States, shall be deemed to be legal residents of Akron unless the circumstances of any particular case may show the fact to be otherwise, viz.:

1. An unmarried person under 21 years of age living with parents who are legal residents of the City of Akron.
2. A person over 21 years of age who at the time of his enrolment is a legal resident of the City of Akron.
3. A husband living with his wife, or a wife living with her husband within the City of Akron when such husband and wife are legal residents of the City of Akron.

In every other case the responsibility of proving legal residence in the City of Akron shall rest with the person claiming exemption from tuition payment.

In order to be a legal resident within the purpose of these rules, a person shall be required to have resided continuously in the State of Ohio for at least one year and in the City of Akron thirty days immediately prior to registering in the University for any semester.

Any person enjoying the right of exemption from the payment of tuition shall forfeit that right upon abandoning the City of Akron as his legal residence but may regain the right upon reestablishing his legal residence in the City of Akron.

No person shall be considered to have gained or lost legal residence status by virtue of any act of himself, his parents, or his guardian, within any semester he or she is enrolled in the University.

In case a legal resident of the City of Akron is appointed guardian of the person of a minor, the legal residence of such minor for the purpose of this rule shall not be considered to be established in the City of Akron until the expiration of one year after such appointment, but no legal residence may be acquired by a minor for whom a legal guardian of the person is appointed solely for the purpose of avoiding the payment of tuition to the University of Akron.

Any person living outside of Akron but owning property within the City of Akron which is taxed, may receive credit on tuition of his child or children during any semester to the extent of taxes actually paid by him for that half-year toward the University levy, upon presenting a certificate from the County Auditor or Treasurer, stating the amount so paid.

MUSIC

Two individual half-hour lessons per week, each semester, in Piano, Voice, Violin, Organ or Band Instruments	\$60
One individual half-hour lesson per week, each semester, in Piano, Voice, Violin, Organ or Band Instruments	30
Organ rental by special arrangement.	

MAINTENANCE FEES

Payable by all students both resident and non-resident in the day and evening sessions:

For 1 to 5 credit hours inclusive, per credit hour	\$ 6
For 6 credit hours or more	35

Payable by all students in the evening session:

Registration fee, per semester	1
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An advance deposit of \$5 is required of all freshmen when applying for admission for the fall semester. This sum is credited on the maintenance fee at entrance and is not subject to refund.

GRADUATION FEE

(Payable at time of application for degree)

Bachelor's degree	\$ 5
Master's degree	10

STUDENT ACTIVITY FEE

Payable by all undergraduate students in the day session taking eight credit hours or more:

First semester (including athletic and dramatic ticket)	\$ 7.00
Second semester students enrolled first semester	3.00
Second semester, new entrants (including athletic and dramatic ticket)	5.00

Payable by all evening session students, per semester

	.50
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STUDENT BUILDING FEE

Payable by all students enrolled in the day session taking eight credit hours or more, per semester

	\$ 3.00
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Payable by all students enrolled in the day session taking less than eight hours, per semester

	1.50
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Payable by all evening session students, per semester

	.50
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FEES FOR 1943 SUMMER SESSION

TWELVE-WEEK TERM

Maintenance fee:

1 to 5 credit hours, per credit hour	\$ 6.00
6 or more credit hours	35.00

Library Fee	1.00
Student Activity Fee	1.50
Student Building Fee	1.00
Late Fee	5.00
Non-resident Tuition Fee, per credit hour	6.00

SIX-WEEK TERMS

Maintenance fee:

1 to 4 credit hours, per credit hour	\$ 6.00
5 to 6 credit hours*	25.00

Student Activity Fee	1.00
Student Building Fee .....	.50
Late Fee	5.00

Non-resident students who have been enrolled for the first Six-week Term and who register for the second Six-week Term will be charged on the basis of the schedule of charges that apply to enrolment for the Twelve-week Term.

No Student Activity Fee or Student Building Fee is charged in any summer term for registrations in which all of the enrolment is in classes scheduled to meet in the evening.

LATE REGISTRATION FEE

A fee of \$5 will be charged day students, and \$1 for evening students, who have not completed registration, classification, and payment of fees before the class work begins in the college in which they are registered. The late fee for summer session students is \$5.

The dates on which this fee will first be payable each semester, 1943-44, are as follows:

First Semester:

Monday, September 20, for Day, and September 27 for Evening Session.

Second Semester:

Monday, February 7 for Day and Evening Sessions.

1943 Summer Session:

Tuesday, June 15.

MISCELLANEOUS FEES

One free transcript of record is furnished a student. A fee of \$1 is charged for each additional copy.

After a student has been classified, a charge of \$1 is made for any change in his program which is not made at the instance of the University authorities.

A library fee of \$1.50 each semester is charged all students in the University taking eight hours or more of work in a semester.

A fee of \$2 is charged for each two-year or three-year certificate.

A fee of \$5 is charged for each examination in college work not taken in course.

A fee of \$25 is charged for a Trade Major examination in the Department of Vocational Education.

All students graduating from the University are required to pay a graduation fee, payable at time of application for degree, \$5 for Bachelor's and \$10 for Master's degree.

All graduate students presenting a thesis for a Master's degree are required to pay a thesis fee of \$10 and the cost of the thesis binding, which is \$1.15 per copy.

A special fee of \$5 per credit hour is charged for Research Problems 436 (College of Education). No registration fee or maintenance fee is required.

All Smith-Hughes courses which the student may desire at some future time to use toward a degree shall be paid for at the time of registration at the rate of \$6 per credit hour.

For hours taken in excess of an 18 hour load, a fee of \$6 per credit hour is charged. Exceptions are made in the case of students enrolled in the Engineering course whose registration requires an academic load of 18 hours or more in its regularly prescribed curriculum and in the case of credit hours taken in band, glee club, physical fitness, debate and orchestra. This fee is not subject to refund.

* For hours in excess of a six-hour load, \$6 per credit hour is charged, not subject to refund.

LABORATORY FEES

Each
Semester

Art 175, 176 (Figure Drawing)	\$ 1.50
Biology 41, 42, (geology)	2.50
Biology 51, 52 (Botany) 61, 62 (Zoology) 113, 114 (Field Botany).....	4.00
Biology 135, 136, 235, 236 (physiology) 141 (Invertebrate Zoology).....	4.00
Biology 144 (Entomology) 217 (Plant Anatomy and Histology)	4.00
*Biology 107, 108 (Bacteriology)	7.50
Biology 146, 148 (Genetics)	1.00
Biology 155 (Vertebrate Anatomy)	10.00
Biology 215, 216 (Plant Physiology) 154 (Histological Technique)	6.00
Biology 256 (Embryology)	7.50
Biology 267, 268 (Biological Problems) 367, 368 (Research) per credit hr.	2.00
*Chemistry 21, 22, 43, 44, 55, 56, 105, 106, 107, 108	10.00
*Chemistry 23, 24 (General) 131, 132 (For Engineers)	5.00
*Chemistry 133, 134 (Metallurgy)	7.50
Chemistry 138 (Metallurgy)	3.00
*Chemistry 213, 214, 321, 322, 307, 308	8.00
*Chemistry 327, 328	15.00
*Chemistry 365, 366 per credit hour	5.00
Education 41 (Handicrafts in El. School)	2.00
Education 105 (Tests and Measurements) 312 (Educ. Meas.)	2.00
Education 126 (Play Material) 315 (Mental Tests)	1.00
*Engineering 21, 22, 43, 101 (Surveying) 108 (Route Surveying) (C.E.)....	2.00
*Engineering 21, 22, 43, 44 (Ind. Electric) 55, 56 (Ind. Electronics) E.E....	2.00
*Engineering 49 (Shop Practice) (M.E.)	3.00
*Engineering 58, 123, 124, 149 (E.E. Lab.) (E.E.)	3.00
*Engineering 112 (Concrete Lab. C.E.) (C.E.)	1.00
*Engineering 117, 118 (Strength of Materials C.E.)	1.00
*Engineering 171 (E.E. Lab.) (E.E.)	4.00
*Engineering 173 (E.E. Lab.) (E.E.)	4.00
*Engineering 151 (Electron Tube Applications) (E.E.)	3.00
*Engineering 167 (Aerodynamics Lab.) 158 (Motion and Micromotion)....	2.00
*Engineering 168 (Aeronautical Problems) 194 (M.E. Problems)	3.00
*Engineering 182, 183 (Mechanical Lab.) (M.E.)	2.00
*Engineering 125 (E.E.)	2.00
Engineering 130, 131 (E.E.) no Lab. ....	.....
Home Economics 45, 46 (Foods)	6.00
Home Economics 107, 108 (Textiles) 119, 120 (Nutrition)	2.00
Home Economics 115, 116 (Foods)	7.50
Home Economics 216 (Quantity Cookery)	5.00
Home Economics 215 (Household Equipment)	2.00
Home Economics 122 (Home Management)	1.00
Home Economics 125 (Child Care and Development)	2.00
Hygiene Lab. (Swimming—Men)	2.50
Hygiene Lab. (Swimming—Women) VI and VII	6.00
Physical Education 114 (Swimming—Men)	2.50
Physical Education 114 (Swimming—Women)	6.00
Physics 21, 22, 209, 210, 309, 310, 304	4.00
Physics 43, 44, 51, 52, 53, 203	2.00
Psychology 425, 426 (Clinical)	2.00
**R.O.T.C. Basic Course	5.00
**R.O.T.C. Advanced Course	10.00
Secretarial Science 31, 51, 52, 56, 63, 64 (Typewriting)	1.00
Secretarial Science 74 (Secretarial Training)	1.50
Sec. Sci. 83, 84, 85, 163, 164, 165, 166, 186, 187, 188 (Dictation)	1.00
Secretarial Science 293 (Office Practice)	2.50
Speech 161, 162 (Play Production)	2.00
Speech 181 (Radio Speaking)	1.00
Speech 287 (Radio Speaking)	1.00

*Requires a breakage deposit of \$5.00, the unused portion of which will be returned to the student.

**This deposit is returnable at the end of the semester less charges for lost or damaged articles.

REFUNDS

Tuition and Fees are not returnable either by cash or by adjustment of an account except when withdrawal is caused by:

- (1) Serious illness as evidenced by a written statement of a physician.
- (2) Change in hours of employment as evidenced by a written statement of employer.
- (3) Other circumstances entirely beyond the control of the student.

Application for refund or adjustment of an account will not be considered after the close of the semester for which fees have been charged. The time of withdrawal is ordinarily taken as the date at which the student formally files his withdrawal request. The date of withdrawal is certified by the Dean or Director.

No refund will be made on the following fees:

- (1) Freshman Advance Deposit.
- (2) Change of Course.
- (3) Excess Load.
- (4) Swimming Fee.
- (5) Late Registration.
- (6) Special Examination.
- (7) In case a student is dropped for failure or academic discipline.

To be entitled to a refund, in any case, the student withdrawing must present to the Treasurer of the University in writing a "Withdrawal Request" setting forth the particulars properly supported as they apply to his case. Permission to withdraw does not imply that a refund or adjustment will be made, but serves only as a basis for application of the rules by the Treasurer's office.

1. A statement from the Dean of his college that the student is in good standing, is entitled to an honorable dismissal, and is withdrawing with the Dean's permission, from the school or courses designated.
2. A statement from the Military Department, if he is a student in R. O. T. C., that his uniform account is clear.
3. If dropping a laboratory subject, he shall return his deposit card certified by the proper person, showing the amount of the refund due him.
4. If dropping an Evening School or Summer Session subject, he shall present a statement from the Director stating that he is permitted to withdraw from the subject.

When above conditions have been complied with, the request will be ruled upon and refund, if due, will be made in accordance with the following plan:

Evening and Summer Course Fees: In full for courses offered that may not actually be given due to insufficient enrolment.

Student Activity Fee: Upon return of the student athletic ticket, refund or adjustment will be made on the same basis as other regular fees.

Other Regular Fees: The amount actually charged will be refunded or adjusted less the proportion to be retained by the University as follows:

FIRST AND SECOND SEMESTER

<i>Time of Withdrawal</i>	<i>Amount Retained by the University</i>
After registration or	\$5.00 Day Session
During 1st week	\$1.00 Evening Classes
During 2nd week	20% of semester charge
During 3rd and 4th weeks	40% of semester charge
During 5th and 6th weeks	60% of semester charge
During 7th and 8th weeks	80% of semester charge
After 8th week	Full amount of semester charge

SUMMER SESSION

Six-week Term

After registration or	
During 1st week	\$2.00
During 2nd week	40% of term charge
During 3rd week	60% of term charge
After 3rd week	Full amount of term charge

Twelve-week Term

After registration or	
During 1st week	\$5.00
During 2nd week	20% of term charge
During 3rd week	40% of term charge
During 4th week	60% of term charge
During 5th week	80% of term charge
After 5th week	Full amount of term charge

REFUNDS TO STUDENTS CALLED FOR MILITARY SERVICE

The University will refund in full or abate all unpaid charges to students who withdraw from the University by reason of being accepted for service in the armed forces of the United States under the following conditions:

- a. In event of call to military service under the Selective Service Act, refund or abatement will be made throughout each semester.
- b. In respect to voluntary enlistment, refund or abatement will be made in full before three-fourths of the semester shall have elapsed.
- c. The date of formal withdrawal from classes to enter military service shall be certified by the Dean or Director of the College or Division.
- d. All applications for refunds or abatements must be supported by proper documentary evidence and submitted within the semester during which the student has been currently enrolled.

GENERAL OBJECTIVES OF THE UNIVERSITY OF AKRON

The University of Akron is a municipal university supported in large measure by city taxes. It, therefore, aims to devote its efforts to the work of higher education especially for the people of Akron.

The University of Akron has as its aims:

To give students a survey of the chief fields of knowledge and thus acquaint them with the world of nature and human life; to develop their ability to make sound judgments and to profit from experience; to arouse their intellectual curiosity and stimulate their scholarly growth; to aid them to develop their physical well-being; to help them to appreciate beauty in all its forms and thus to furnish them with resources for enjoying their leisure hours.

To develop and strengthen in students a sense of social responsibility so that they have a proper regard for the rights of others; to prepare them for a sane and loyal family life and an active and intelligent citizenship.

To prepare students for greater social and individual effectiveness in public service, commerce and industry, and the professions; for the professions of teaching and engineering; for entering the professional schools of law, medicine, and dentistry, and for advanced study in other fields; for careers in art, music, home economics, and secretarial science.

In the attainment of these objectives, the University of Akron proposes to utilize its available resources to the utmost. Students who are admitted will be expected to have a satisfactory degree of intellectual maturity, and adequate scholastic preparation along with the necessary aptitudes and interests. It is also expected that their educational objectives will harmonize with those of the University.

The University has further aims:

To provide expert advice for various civic and educational agencies; to furnish a scientific testing service for commerce and industry; to offer educational programs for the dissemination of culture and knowledge.

ORGANIZATION OF THE UNIVERSITY

I. THE GENERAL COLLEGE

The purpose of the General College is two-fold: (a) to furnish a general cultural education for (1) students who plan to enter an Upper College and secure an academic degree, and (2) students who desire approximately two years of general education, but who do not desire or are unable to enter an Upper College; (b) to furnish pre-professional courses and terminal courses of an occupational nature for students who do not desire or are unable to enter an Upper College.

II. THE UPPER COLLEGES

After completion of the work in the General College, the student may begin work in his field of concentration in one of the upper colleges.

BUCHTEL COLLEGE OF LIBERAL ARTS

The departments of the Liberal Arts College are grouped in three divisions as follows:

<i>Humanities</i>	<i>Social Sciences</i>	<i>Natural Sciences</i>
Art	Commerce	Biology
Latin and Greek	Economics	Chemistry
Literature	History	Mathematics
Modern Languages	Home Economics	Physics
Music	Political Science	
Philosophy	Secretarial Science	
Speech	Sociology	

THE COLLEGE OF ENGINEERING

The departments of the College of Engineering are:

Civil Engineering	Industrial Engineering
Electrical Engineering	Mechanical Engineering
Aeronautical Engineering	

THE COLLEGE OF EDUCATION

There are no divisions in the College of Education, but preparatory courses are offered in a variety of teaching fields.

Art	Home Economics	Physical Education
Commerce	Kindergarten	Psychology
Elementary	Music	Vocational Education
High School	Primary	

GRADUATE STUDY

In certain colleges and departments—especially in the College of Education—opportunity is offered properly qualified persons to study for the Master's degree. In some of the departments grad-

uate courses given in connection with the work in Adult Education have been arranged on a rotating plan to enable candidates to meet the requirements for a major or a minor.

For details as to the colleges and departments which offer courses of graduate rank see the catalog material under the various colleges and departments and also the section on graduate study.

DEGREES

For completion of his work in the Upper College a student is expected to have taken at least 50%—and it is desirable that he take not more than 75%—of his total work (outside the 36 to 42 hours of required work in general education) in the major division.

A statement of degrees conferred upon completion of courses of study is given under the descriptive matter of each college. To receive a second bachelor's degree in course from the University of Akron, the student must complete all requirements for the degree with a minimum of 32 semester hours of work not counted for the first degree.

DIVISION OF ADULT EDUCATION

THE EVENING SESSION

All colleges of the University offer courses in the evening. Credit is given toward a degree for regularly prescribed subjects. Full-time or part-time schedules are possible for new and former students in degree, diploma, and certificate courses. Candidates for a diploma or degree must satisfy the entrance requirements of the University.

THE SUMMER SESSION

A Summer Session of six weeks furnishes instruction to teachers and other persons who seek opportunities for training. Courses are offered to meet the needs of students in all colleges of the University. Beginning in June, 1942, a 12-week plan began in order to enable students to complete college in a shorter time. See section on Summer Session.

INSTITUTES

Non-credit courses to meet the needs of many persons who already have a degree or desire practical training for a particular vocation or avocation are offered on a short term basis. Courses approved by the Engineering, Science and Management War Training Program of the federal government are given to qualified adults. A program of apprentice training for local industries, designed to parallel factory work with classroom training, is now in its sixth year of operation. For further information see section on Community Cooperation.

ACCELERATED PROGRAM

The Summer Session of 1942 was the beginning of an accelerated wartime program of work at the University of Akron. By attending full time throughout the summer, for twelve weeks, it is possible for the student to complete the regular four-year course of study in three full years. The customary six-week term is retained for those who are unable to attend the longer session.

GENERAL REGULATIONS

THE SEMESTER HOUR—The unit of instruction is one hour per week for one semester. Three hours of laboratory work (including time for writing reports) shall be considered as equivalent to one recitation hour with preparation therefor. This unit is known as a "semester hour" or "credit."

GRADING SYSTEM

93-100 inclusive	Excellent	A
85-92 inclusive	Good	B
77-84 inclusive	Fair	C
70-76 inclusive	Poor	D
Below 70	{Conditioned	E
	{Failed	F
Incomplete		I

The grade "Conditioned" may be given only for the first semester's work in a subject continuing through two or more semesters, such as first-year chemistry or first-year foreign language.

"Conditioned" means that although the semester's work is not of passing grade the deficiency may be made up without repeating the course in class. Failure to remove the deficiency satisfactorily by the close of the student's next semester in the University converts the grade to "F". No higher grade than "D" is given for the removal of a "Condition."

"Incomplete" means that the student has done passing work in the course, but some part, for good reason, has not been completed. Failure to make up the omitted work satisfactorily within the first nine weeks of the next semester in the University converts the grade to "F".

QUALITY REQUIREMENTS

For graduation from the University, the student must present 128 semester hours with a quality point ratio of 2 for all work attempted. Quality points are given as follows:

- For each credit hour of A, 4 quality points.
- For each credit hour of B, 3 quality points.
- For each credit hour of C, 2 quality points.
- For each credit hour of D, 1 quality point.
- For each credit hour of F, 0 quality point.

No student is eligible for a degree unless he has the same ratio of quality points in his major subject as is required for graduation.

PROBATION AND FAILURE

In the General College a student who fails at any time to maintain a quality point ratio of 2 may be subject to change of courses, suspension, or some other form of academic discipline, by the Dean of Students.

In an Upper College a student whose scholarship is unsatisfactory may be placed on probation, suspended for a definite period of time, or dropped from the University at any time by the Dean of the college in which the student is enrolled.

The load for every probationary student is determined by the Dean who has jurisdiction over him.

Students who have been dropped from the University are not eligible to register for any college courses in Day, Evening, or Summer Sessions. Such individuals may, however, enrol for non-credit work in the Community College. Reinstatement of dropped students is under the control of the Committee on Admission and Advanced Standing, and is a prerequisite for enrolling in college work.

CHANGES IN STUDENTS' PROGRAMS

No Upper College student is allowed to drop a study after the opening of a semester, or in any way change his selection of studies for any semester, without permission of the Dean of the college in which he is registered.

For Upper College students, all changes from one field of concentration to another shall be subject to the approval of the Dean.

Students in the General College will secure the permission of the Dean of Students.

Students who withdraw from a course *with the permission of the Dean* are given a grade for work at the time of withdrawal. (This grade is used for statistical purposes.)

If a student withdraws from a course on the recommendation of the Dean, it shall not count as work attempted except in the compilation of statistical averages.

If a student leaves a course *without the recommendation of the Dean*, or is dropped from any course by the Dean, he is given a failing grade in the course and it is counted as work attempted.

All grades received by students whether passing or failing, withdrawn or dropped, are used in the compilation of statistical averages for student groups.

No student is allowed to enter a course after the first week of the semester.

First-year students are not permitted to elect work above the freshman year except by special permission.

WITHDRAWAL

A student desiring to withdraw from the University is requested to notify the Dean of the college in which he is enrolled. Otherwise "F" grades may be received in all work carried.

STUDENT LOAD

Sixteen hours a semester are counted as full work for a student. No student is allowed to take more than 17 hours a semester without the consent of the Dean of the college in which he is enrolled. An excess load charge is made for work taken in excess of 18 hours, except in the case of certain definitely prescribed curricula.

ABSENCE

Students are expected to be present at all meetings of classes for which they are registered, and may be dropped by the Dean from a course at any time for absence on recommendation of the instructor.

In case of prolonged absence, students may be reinstated in classes only by the Dean on recommendation of the instructor, and are required to make up the omitted work at the discretion of the instructor.

PROMOTION TO AN UPPER COLLEGE

For promotion to an Upper College the student must make a quality point ratio of 2 for the work taken in the General College and must complete at least 64 hours of work including all the required general courses. At the discretion of the Division a point ratio higher than this may be required. (It is understood that certain exceptions may be made in the operation of this ruling in the Engineering College and in the Division of Natural Science.)

The admission of students to the Upper College shall be a responsibility of the academic deans in consultation with the Dean of Students and the heads of the departments concerned.

At the discretion of the Division, an examination over the courses preparatory to the work of that Division may be required.

GENERAL FINAL EXAMINATIONS

A general final examination covering the major field of study is required in many of the departments of instruction. In divisions and departments of the University which give a general final examination, the passing of that examination is a requirement for graduation.

The administration of these examinations is in the hands of a committee consisting of the Registrar as chairman, and one member from each college faculty appointed by the deans of the respective faculties.

In the College of Education the fourfold qualifying examinations at the close of the junior year are regarded as the general final examination.

SYSTEM OF NUMBERING

1-99. Courses given in the General College. (Numbers 1-19 are reserved for required courses in General Education.)

100-199. Courses of Upper College rank.

200-299. Undergraduate courses for which graduate credit may be obtained for a greater amount and a higher quality of work than that required of undergraduates.

300-399. Graduate courses to which a few undergraduates who have shown unusual ability may be admitted.

400-499. Graduate courses for which the prerequisite is a bachelor's degree.

THE GENERAL COLLEGE

ENTRANCE REQUIREMENTS

The admission of any student to the University of Akron will depend upon the evidences of his preparation and ability to do college work in a satisfactory manner. The evidences are: (1) graduation from an accredited four-year secondary school or its equivalent; (2) quality of the work done in the secondary school; (3) ranking in certain tests given by the University to determine preparation, ability, and aptitudes; (4) attitude toward college work.

In determining the admission of any applicant, consideration is given to the above factors. A low ranking in any one will require a higher ranking in the others. For example, a student whose secondary school average is low may be admitted if his ranking in the tests is high. Also, an applicant with a fair secondary school record may make such a poor ranking in these tests as not to qualify for admission.

Any student applying for admission is expected to have a satisfactory grounding in both oral and written English. A description of this requirement may be obtained from the Registrar.

Such college courses as Latin and mathematics cannot be taken until the prerequisites are met.

For admission to the engineering course at least 1½ units of high school algebra and 1 unit of plane geometry are required. It is recommended that each candidate desiring college training in technical and scientific lines include in his preparatory work an adequate high school training in mathematics and science.

SPECIAL STUDENTS

Students of maturity, over 21 years of age, who have not graduated from high school, may be admitted to certain courses upon presentation of sufficient evidence of preparation, aptitude, ability, and interest. These students are known as special students, and work taken by them does not count toward a degree until entrance requirements are met.

IRREGULAR STUDENTS

Students who have fulfilled the entrance requirements, but who are not pursuing a regular course, are known as irregular students. Students carrying a load of less than eight credit hours are classed as irregular students.

ADMISSION FROM OTHER COLLEGES

The student who wishes to enter the University of Akron with advanced standing should ask the registrar of the institution from which he is transferring to send to the University Registrar a transcript of his record and an honorable dismissal.

No student will be received on transfer from another college or university who does not meet the scholastic requirements of the University of Akron, or who is ineligible to re-enter the institution from which he desires to transfer.

REGISTRATION AND CLASSIFICATION

A student who wishes to gain admission by certificate should ask his high school principal to mail a statement of his high school record on a blank supplied by the University Registrar upon request. If the certificate is satisfactory, the applicant is notified, and is expected to present himself in person to register between August 16 and September 11. A \$5 deposit, required at the time of registration, is applied on semester fees.

ORIENTATION WEEK

To aid the freshman in adjusting himself to university life, the week preceding the opening of the regular session is devoted to a program consisting of a general assembly, tests, physical examination, lectures, and payment of fees.

For the first semester 1943-44, all entering freshmen are required to report at 10 a. m. on Monday, September 13, and attend all sessions, Monday to Thursday, inclusive. Sessions of this program will occupy the time from 8 a. m. to 4 p. m. of the days specified.

REGISTRATION DAYS

The registration days for day session students previously enrolled are as follows: All Upper College students, Thursday and Friday, September 16 and 17; General College students, Thursday, Friday and Saturday, September 16, 17, and 18 from 8:30 a. m. until 4 p. m., Saturday until noon. Summer session, Friday and Saturday, June 11 and 12, 8 a. m. to 4 p. m.

Evening Session students will register between 5 p. m. and 9 p. m. on Friday, September 24, and between 1 p. m. and 9 p. m. on Saturday, September 25. Summer session, Monday, June 14, from 6 to 9 p. m.

The dates for the second semester are printed in the calendar at the beginning of this catalog.

After these dates, a late registration fee of \$5 will be charged to day students and a late fee of \$1 to evening session students.

CURRICULUM OF THE GENERAL COLLEGE

Courses in the General College have been planned and organized in scope, content, method of approach, and method of presentation, to attain as fully as possible the general objectives of the University.

While there are no separate departmental divisions in the General College, the different divisions of the upper colleges, through their various departments, will offer, in addition to certain subjects required for students majoring in the department, other introductory courses, open to all students in the General College, but ordinarily not open to students of the upper colleges.

GENERAL EDUCATION

Ordinarily the work in the General College will cover two years; however, abler students may shorten the time by taking examinations for credit. The required courses in general education are:

1. English, Oral and Written6 hours, first year
2. Hygiene, Physical and Mental6 hours, first year
3. Introduction to the Social Sciences6 hours, first year
- *4. Introduction to the Natural Sciences6 hours, first or second year
5. Introduction to the Humanities6 hours, first or second year
6. Mathematics, Accounting, or Foreign Language6 or 8 hours, first or second year
7. Military Science and Tactics (for men).....6 hours
(One from 4 and 5, and one from 6 must be taken the first year)

PRE-PROFESSIONAL AND TERMINAL COURSES

In addition to the work offered in general education, the General College offers certain pre-professional courses and terminal courses of an occupational nature for students who do not desire to remain longer at the University or who are unable to do so.

REQUIREMENTS FOR PROMOTION TO UPPER COLLEGE WORK

For promotion to upper college standing, the student must complete the requirements in general education stated above, and, in addition, certain courses specified by the departments concerned. The departmental requirements, which are in addition to the general requirements, are listed in the following pages.

BUCHTEL COLLEGE OF LIBERAL ARTS

Students who are planning to meet the requirements for promotion to upper college standing in the College of Liberal Arts should consult the list of studies laid down by the department concerned as prerequisite to promotion. It will be seen that some departments lay down specifications which should be taken in the freshman year. This is particularly to be noted in the case of the departments in the Natural Science Division and in commerce, home economics and secretarial science.

In other cases, the choice of a department for a major need not be made until the beginning of the sophomore year because of a smaller amount of prescribed work. It will also be noted that there are some departments which do not specify any requirement until the beginning of the third year in college. Those desiring to major in these departments would not need to make the decision until the beginning of the third year.

* The Introduction to the Natural Sciences may be waived in whole or in part at the discretion of the proper academic officers in the case of certain science majors.

THE HUMANITIES DIVISION

ART—Required: Appreciation of Art 29-30, Structural Art 21, Design 22, Industrial Design 43, Drawing and Rendering 45-46, Modeling 59-60. Recommended: Psychology 41-42, Sociology 41, Shakspeare 41.

ENGLISH—Required: The following courses should be taken in the General College, and must be taken before graduation: Shakspeare 41, Short Story Writing 43-44 or Essay Writing 63-64, American Literature 47-48. Suggested Electives: Appreciation of Art 29-30, The Art of Music 22, Typewriting 31, American History 41-42.

LATIN AND GREEK—Required: Latin 43-44. Recommended: Shakspeare 41.

***MODERN LANGUAGES**—Required: Modern foreign language, both years.

MUSIC—Required: Music Orientation 21, The Art of Music 22, Theory I, 41, Theory II, 42. Recommended: Psychology 41-42, Philosophy 55-56, Shakspeare 41.

PSYCHOLOGY AND PHILOSOPHY—Required: Philosophy 55-56, Psychology 41-42. Recommended: Sociology 41-42, Literature, especially Shakspeare 41.

SPEECH—Required: Speech 41. Suggested Electives: Interpretation 51 and any other General College speech courses, the basic courses in the social sciences and psychology; Shakspeare 41, Making of Modern English 42, Structural Art 21.

Since Upper College work in speech embraces the fields of public speaking, debate, dramatics, speech correction, and interpretation, the student should elect a program in General College that will apply directly to the specific interests in the field of speech which he proposes to follow in Upper College.

THE SOCIAL SCIENCE DIVISION

ECONOMICS—Required: Economics 41, and 3 hours to be chosen from 42, 44, or 48. Recommended: Accounting 21-22, Business Administration 61, Psychology 41-42, Mathematics 21-22, Sociology 41-42, Political Science 41-42.

HISTORY—Required: None. Recommended: Social Science.

HOME ECONOMICS—Required: Textiles 21, Clothing 22, General Foods 45-46, Home Economics Orientation 53, Consumer Economics 82. Foods and Nutrition majors take in addition Chemistry 23-24 and Chemistry 55-56.

POLITICAL SCIENCE—Required, one of the following: American National Government 41, American State and Local Government 42, Comparative Government 43 or American Diplomacy 44. Recommended: Social Science.

SOCIOLOGY—Required: Sociology 41-42 Recommended: Psychology 41-42, Speech 41, English.

COMMERCE—Required: Accounting 21-22, Business Administration 61, Selling and Advertising 81, Economics 41-48. Recommended: Analytical Accounting 43; Economic Geography 54; Typewriting 31; Sociology 41-42; Psychology 41, 62; Philosophy 55-56.

SECRETARIAL SCIENCE—Required: Shorthand Theory 41-42, Typewriting 51-52. Recommended: Accounting 21-22 or 41-42, Business Law 51, Business Administration 61, Economics 41-42, Secretarial Procedure 21, Filing and Machine Calculation 26.

* Second year of German is required for graduation from the Upper College in the case of Chemistry, Physics, and Pre-Medical majors, and the second year of either French or German in the case of Biology and Mathematics majors.

In the Humanities and Social Science Divisions (except Commerce and Secretarial Science), the requirement is the second year of a foreign language on the college level, ordinarily taken in the General College.

NATURAL SCIENCE DIVISION

BIOLOGY—Required: Zoology 61-62, Botany 51-52, Inorganic Chemistry 21-22.

PRE-MEDICAL—Required: Zoology 61-62, Inorganic Chemistry 21-22, Qualitative Analysis 43, Introductory Organic Chemistry 44, Algebra 21, Trigonometry 22, German 21-22.

CHEMISTRY—Required: Inorganic Chemistry 21-22, Qualitative Analysis 43, Elementary Organic Chemistry 44, Algebra 21, Trigonometry 22, Analytcs 43, Calculus 45-46.

MATHEMATICS—Required: Algebra 21, Trigonometry 22, Analytcs 43, Calculus 45-46.

PHYSICS—Required: Physics 21-22; 43-44; Algebra 21; Trigonometry 22; Analytcs 43; Calculus 45 and 46 or Chemistry 21-22.

THE COLLEGE OF ENGINEERING

Students who are definitely planning on taking a course in engineering have a somewhat different group of subjects arranged for them. The full curriculum is listed in the engineering section of the catalog, and should be consulted by all students enrolled in engineering.

THE COLLEGE OF EDUCATION

The curriculum plan for the first two years is given for those students desiring to go into the College of Education. It should be understood that this is suggestive and not rigid. Differences will occur, depending upon the teaching fields for which preparation is being made.

Freshman Year

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 1	3	English 2	3
Introduction to Social Science 5	3	Introduction to Social Science 6	3
Hygiene, Physical and Mental 17	3	Hygiene, Physical and Mental 18	3
Elective	6	Elective	6
Military Training 11 (Men)	1½	Military Training 12 (Men)	1½

Sophomore Year

Introduction to Humanities 7	3	Introduction to Humanities 8	3
Introduction to Natural Sci. 9	3	Introduction to Natural Sci. 10	3
General Psychology 41	3	Educational Psychology 52	3
Introduction to Education 55	3	Fundamentals of Speech 76	3
Literature	3	Literature	3
Military Training 43 (Men)	1½	Military Training 44 (Men)	1½

Further information concerning the requirements for promotion to upper college standing in various divisions of the University may be obtained from the office of the Dean of Students, or from the deans of the several colleges.

COURSES OFFERED IN THE GENERAL COLLEGE
BUCHTEL COLLEGE OF LIBERAL ARTS

Humanities Division

ART	Cr. Hrs.	Cr. Hrs.	
*Structural Art 21	2	*German 21-22	8
*Design 22	2	*German 43-44	6
*Appreciation of Art 29-30	4	*Spanish 21-22	8
*Industrial Design 43	2	*Spanish 43-44	6
*Draw. and Rendering 45-46	4		
Still Life 47-48	4	<i>MUSIC</i>	
*Modeling 59-60	4	*Music Orientation 21	2
		*The Art of Music 22	2
<i>ENGLISH</i>		*Theory I 41	5
*English 1	3	Theory II 42	5
*English 2	3	Voice Class 53-54	2
**Shakspeare 41	3	String Class 55-56	2
The Making of Modern		Piano Class 51-52	2
English 42	3	Woodwind Class 57	2
**Short Story Writing 43-44	4	Brass Class 58	2
Appreciation of Prose 45	3	Glee Club, Orchestra, Voice,	
Appreciation of Poetry 46	3	Instruments	
Appreciation of Drama 50	3	<i>PHILOSOPHY</i>	
**American Literature 47-48	6	*Introduction to Phil. 55	3
**Essay Writing 63-64	4	*The Field of Philosophy 56	3
News Writing 51-52	6		
News Writing and Edit. 53	2	<i>SPEECH</i>	
History of Journalism 55	2	*Speech 41	3
Feature Writing 56	2	Speech 42	3
Editorial Writing 57	2	Oral Argument 45-46	4
		Bus. and Prof. Spk. 47-48	4
<i>LATIN AND GREEK</i>		§Interpretation 51	3
Latin 21-22	6	Interpretation 52	3
*Latin 43-44	6	Public Discussion 56	3
Greek 21-22	8	Debate 57, 58, 59, 60	1 or 2 each
Classical Mythology 99	3	Speech Improvement 65-66	2
<i>MODERN LANGUAGES</i>		Fundamentals of Speech 76	3
*French 21-22	8		
*French 43-44	6		

Social Science Division

Cr. Hrs.	Cr. Hrs.
<i>***ECONOMICS</i>	
Production, Prices and In-	
come 41	3
Current Economic Prob. 42	3
Development of Economic	
Institutions 44	3
Money and Banking 48	3
<i>HISTORY</i>	
American History 41-42	6
European History 45-46	6
<i>§POLITICAL SCIENCE</i>	
American National Gov. 41	3
American State and Local	
Government 42	3
Comparative Government 43	3
American Diplomacy 44	3
	<i>SOCIOLOGY</i>
	††Sociology for Nurses 21
	3
	*Sociology 41
	3
	*Social Attitudes 42
	3
	Social Anthropology 45
	3
	Modern Social Problems 43
	3
	<i>HOME ECONOMICS</i>
	*Textiles 21
	3
	*Clothing 22
	3
	Elementary Foods and
	Nutrition 41-42
	6
	*General Foods 45-46
	6
	*Home Economics Orienta-
	tion 53
	2

* Required for majors.

** Courses 41, 47-48, and either 43-44 or 63-64 are required of English majors. They should be taken in the sophomore year, but may be taken in the junior year.

*** Required for majors, 6 credits.

§ 3 hours required for majors.

¶ Required of majors for graduation, but not for admission to the Upper College.

†† Especially for those taking the nurses training program in the local hospitals.

Social Science Division (Continued)

COMMERCE	Cr. Hrs.	SECRETARIAL SCIENCE	Cr. Hrs.
*Accounting 21-22	6	§Secretarial Procedure 21	3
†Accounting 41-42	6	§Filing and Machine Calcula-	
§Analytical Accounting 43	3	tion 26	3
Intermediate Accounting 44	3	Typewriting 31	2
†Business Law 51	3	Business English 35	2
§Economic Geography 54	3	*Shorthand Theory 41-42	6
*Business Administration 61	3	*Typewriting 51-52	4
*Selling and Advertising 81	2	§Secretarial Training 74	2
Consumer Economics 82	3	Advanced Shorthand and	
		Transcription 63-64	8
		Business Letters 93	2

Natural Science Division

BIOLOGY	Cr. Hrs.	MILITARY SCIENCE AND TACTICS	Cr. Hrs.
††Anatomy and Physiology 31	5	Military Science 11-12	3
††Microbiology 33	3½	Military Science 43-44	3
Geology 41-42	8	PHYSICS	
*Botany 51-52	8	Physics 21-22	8
*Zoology 61-62	8	Physics 43-44	8
Sanitation 71-72	6	Physics 51-52, 53	12
Conservation 82	3	MATHEMATICS	
CHEMISTRY		Algebra 19	2
*Chemistry 21-22	8	*Algebra 21	3
§§Inorganic Chemistry 23-24	6	*Trigonometry 22	3
††Chemistry 25	4	Spherical Trigonometry 23	1
*Qualitative Analysis 43	5	Mathematics of Navigation	
*Organic Chemistry 44	4	and Aviation 31	2
§§Organic Chemistry 55	4	*Analytical Geometry 43	3
§§Physiological Chemistry 56	4	*Calculus 45-46	6
		Business Mathematics 58	3

THE COLLEGE OF ENGINEERING

(All required in one course or another.)

	Cr. Hrs.		Cr. Hrs.
Personnel Problems 21	1	Surveying 43	2
Surveying 21-22	2	Engineering Geology 44	2
Engineering Drawing 21-22	4	Heat Power Engineering 46	3
Descriptive Geometry 44	3	Elements of Electrical Engineer-	
Shop Practice 49	2	ing 58	3
Survey of Engineering 24	1	Strength of Materials 46	3
Machine Drawing 23	2	English 61-62	2

THE COLLEGE OF EDUCATION

	Cr. Hrs.		Cr. Hrs.
Physical Education 45-46	6	Story Telling 83-84	6
General Psychology 41	3	Principles of Geography 71	3
Applied Psychology 42	3	Geography of N. America 72	3
Educational Psychology 52	3	Geography of S. America 73	2
Handicrafts in Elementary		Geography of Europe 74	3
Schools 41	2	World Geography 75	3
Intro. to Education 55	3	Children's Literature 86	3
Business Psychology 62	3	Speech for the Classroom	
Educational Sociology 65	3	Teacher 77	3

GENERAL INTRODUCTORY COURSES

	Cr. Hrs.		Cr. Hrs.
Freshman English 1-2	6	Intro. to Humanities 7-8	6
Hygiene, Phys. and Mental 17-18	6	Intro. to Natural Science 9-10	6
Intro. to Social Science 5-6	6		

* Required for majors.

† Especially for Secretarial Science students.

§ Required of majors for graduation, but not for admission to the Upper College.

§§ For students not majoring in chemistry, and especially for Home Economics students specializing in foods and nutrition.

†† Especially for those taking the nurses training program in the local hospitals.

REQUIRED COURSES IN GENERAL EDUCATION

1-2. FRESHMAN ENGLISH, ORAL AND WRITTEN. 3 credits each semester.

Instruction in reading, writing, and speaking the English language. Assigned readings, correlated with the general introductory courses, provide models for analysis and stimulate expression, both oral and written, on the part of the student. During the first semester, this material is primarily expository in character; during the second, the narrative and descriptive methods of reporting experience are stressed. A review of the principles of English usage, and instruction in taking notes and using the library.

17-18. HYGIENE, PHYSICAL AND MENTAL. 3 credits each semester.

This course has three major objectives. The first is to assist the student to master certain knowledges and to develop attitudes, habits, and skills which will be effective in enabling him to live at a high level of physical efficiency. The second is to enable him to explore, analyze, and evaluate his abilities, interests, and needs as a sound basis for personal and social adjustments. The third is to assist the student in his other school work. Two lectures a week, one discussion group, and two laboratory periods.

Students are required to enrol in one of the laboratory sections each semester. They may elect some of these beyond the two required, and those who major in Physical Education must take all of the sections in the first two years as a part of Physical Education 45-46. For laboratory sections refer to College of Education.

5-6. INTRODUCTION TO THE SOCIAL SCIENCES. 3 credits each semester.

The purpose of this course is to give each student an appreciation of, an interest in, and a general comprehension of, the fundamental institutions of modern civilization. It is based upon the thesis of social change and organized primarily around the social, economic, and political problems of our time. It is intended to serve as a terminal course for students who concentrate in other fields, and as a foundation for social science study.

7-8. INTRODUCTION TO THE HUMANITIES. 3 credits each semester.

The chief aim of the course is to assist the beginning student to understand and appreciate the intellectual and cultural achievements and tendencies of his own civilization and of the past. Text, lecture, and discussion are combined to present a broad survey of western civilization.

9-10. INTRODUCTION TO THE NATURAL SCIENCES. 3 credits each semester.

A study of how the development of science has affected the course of human life and made modern civilization a possibility. The course begins with the study of man's placing himself in his universe. Many of the great discoveries in science are discussed. Illustrative material is drawn from the biological and physical sciences. The aims are: to encourage the use of objective methods of reasoning, and to develop an appreciation of the contributions made by the great scientists; to give the student a greater knowledge of the fundamental principles of science.

*Replaces course 15-16 as a war-time emergency measure for the duration.

PRE-PROFESSIONAL AND TERMINAL COURSES

SPECIAL TWO-YEAR CERTIFICATE COURSE IN SECRETARIAL SCIENCE

A special two-year secretarial course (at least 64 semester hours) is offered for those who feel unable to spend more than two years in college.

This curriculum may be modified in the case of students who have had commercial courses prior to entering the University.

First Semester		First Year		Second Semester		Cr. Hrs.	
Shorthand Theory 41	3	Shorthand Theory 42	3	Shorthand Theory 42	3		
Typewriting 51	2	Advanced Typewriting 52	2	Advanced Typewriting 52	2		
English, Oral and Written 1	3	English, Oral and Written 2	3	English, Oral and Written 2	3		
Hygiene, Phys. and Mental 17	3	Hygiene, Phys. and Mental 18	3	Hygiene, Phys. and Mental 18	3		
Introduction to Social Sciences 5	3	Introduction to Social Sciences 6	3	Introduction to Social Sciences 6	3		
Secretarial Procedure 21	3	Filing and Machine Calculation 26	3	Filing and Machine Calculation 26	3		
		Second Year					
Introduction to Humanities 7	3	Introduction to Humanities 8	3	Introduction to Humanities 8	3		
Intro. to Natural Science 9	3	Intro. to Natural Science 10	3	Intro. to Natural Science 10	3		
Accounting 21 or 41	3	Accounting 22 or 42	3	Accounting 22 or 42	3		
Advanced Shorthand and Transcription 63	4	Advanced Shorthand and Transcription 64	4	Advanced Shorthand and Transcription 64	4		
Business Letters 93	2	Secretarial Training 74	2	Secretarial Training 74	2		

EMERGENCY ONE-YEAR STENOGRAPHIC PROGRAM

(For High School Graduates)

A one-year program for college graduates is listed in the Secretarial Science section of the catalog.

In order to cooperate in meeting the emergency for stenographic and clerical workers who will be adequately trained even though lacking the broad education ordinarily associated with college, a 12-month program has been planned which includes most of the vocational courses in the regular two-year program but excludes most of the academic.

Only persons with a broad high school education, including a good foundation in English, and a satisfactory record will be admitted.

This curriculum may be adjusted for those who have had related courses before entrance, or for those who graduate from high school in January.

		Summer		Cr. Hrs.	
		Shorthand 41-42	6		
		Typewriting 51-52	4		
First Semester		Second Semester		Cr. Hrs.	
Advanced Shorthand and Transcription 63	4	Advanced Shorthand and Transcription 64	4		
English, Oral and Written 1	3	English, Oral and Written 2	3		
Secretarial Procedure 21	3	Filing and Machine Calculation 26	3		
Secretarial Training 74	2	Business Letters 93	2		
Hygiene 15	3	Hygiene 16	3		
Approved Elective	3	Approved Elective	3		

PRE-NURSING

The Pre-Nursing course is individualized to answer the needs of the student and the requirements of the nurses' training school she plans to attend.

For nurses who plan to attend accredited schools of nursing, it is possible to arrange a combined course, and thus materially shorten the length of time necessary for the degree. For details of the plan consult the Registrar.

For entrance to certain nurses' training schools, three or four years of college are required, the third and fourth years to include additional work in sciences, sociology, psychology and cultural subjects.

For students interested in hospital administration positions, four years of college are advised; and accounting, economics and foods should be included in addition to the subjects listed above.

MILITARY SCIENCE AND TACTICS RESERVE OFFICERS' TRAINING CORPS

LIEUTENANT COLONEL ALBERT L. TUTTLE, *Professor*
 CAPTAIN PAUL G. FOSTER (Plans and Training Officer),
 CAPTAIN BEN H. LOGAN, JR. (Adjutant),
 †1ST LIEUTENANT PHILIP E. SNYDER (Publicity Officer),
 1ST LIEUTENANT PETE W. JACOBY (Supply Officer), *Assistant Professors*;
 STAFF SERGEANT LYLE F. FISHER (Assistant Military Property Custodian)
 SERGEANT ROBERT K. WORKMAN (Administrative Assistant)
 SERGEANT RICHARD J. DANAHER (Administrative Assistant)

In 1919 the United States Government established at the University of Akron a unit of the Reserve Officers' Training Corps. This unit is of the same sort as those established at practically all of the large universities and colleges throughout the country, with the idea of producing trained men for the Officers' Reserve Corps. Until the end of the spring semester of 1942-43, the instruction was divided into two parts: the basic course of the first two years, required of all freshman and sophomore men who were physically fit; and the advanced course of the last two years, elective for the men who had completed satisfactorily the basic course and the first two years of scholastic work, and who had been selected by the President of the University and the Professor of Military Science and Tactics. However, the War Department policy now has deemed it advisable to discontinue the advanced course until after the end of the present war.

BASIC COURSE

The basic course in R. O. T. C. is required of all men during the freshman and sophomore years, with the following exceptions:

- a. Aliens.
- b. Men physically disqualified.
- c. Men who have been in the regular military or naval service more than one year.
- d. Men who are taking short professional or pre-professional courses not leading to degrees.
- e. Men carrying less than eight hours of work.
- f. Men who present a certificate of having completed forty-eight semester hours of work from another accredited college or university.
- g. Men above the age of twenty-six.
- h. Men who submit written declaration of valid religious or conscientious objections to military service similar to those in effect during the late war entitling one to exemption from service.

The work is given three hours per week for the first two academic years. 1½ hours of credit is given each semester.

††Transferred March 13, 1943.

During this basic course no compensation is paid the student by the government, but uniforms (except shoes) and equipment are issued for his use. Each student is held responsible for loss or damage to government property issued to him. Each student must provide one pair of military pattern russet shoes and brown or tan socks for use with the uniform. Uniforms must be turned in at the completion of each year, or at the time of leaving; they are replaced at the beginning of the next academic year. A deposit of \$5 is required, which is returned when the uniform is turned in.

Transfer students asking credit for previous military instruction will confer with the military department at the beginning of the semester to ascertain the amount of transfer credit to be given in military science.

COURSE No. 11-12

<i>First Year</i>	<i>Hours</i>
Military Fundamentals	11
Military Sanitation and First Aid	6
Military Organization	8
Map Reading	16
Leadership	40
Rifle Marksmanship	15

COURSE No. 43-44

<i>Second Year</i>	<i>Hours</i>
Leadership	28
Infantry Weapons	18
Combat Training	40
Technique of Rifle Fire	10

THE UPPER COLLEGES

BUCHTEL COLLEGE OF LIBERAL ARTS

CHARLES BULGER, PH.D., *Dean*

Buchtel College was founded as a College of Liberal Arts in 1870 by the Ohio Universalist Convention in co-operation with the Honorable John R. Buchtel. It became a part of the Municipal University of Akron (now the University of Akron) December 15, 1913, and is known as Buchtel College of Liberal Arts.

OBJECTIVES OF THE LIBERAL ARTS COLLEGE WITH REFERENCE TO ITS STUDENTS

1. To acquaint them with the world of nature and human life by giving them a survey of the chief fields of knowledge.
2. To train them in the scientific method, and help them form habits of clear thinking.
3. To arouse their intellectual curiosity and stimulate their scholarly growth.
4. To give them the necessary general preparation for post-graduate study; for entering schools of law, medicine, dentistry, and other professions; or for careers in art, music, and other cultural fields.
5. To help them appreciate beauty in all its forms, and thus furnish them with resources for enjoying their leisure hours.
6. To develop and strengthen in them a sense of social responsibility in order that they may have a proper regard for the rights of others, and to prepare them for an active and intelligent citizenship.
7. To help them acquire good manners and develop a moral strength adequate to cope with the various situations in which they find themselves.

DIVISIONS OF THE LIBERAL ARTS COLLEGE

Buchtel College of Liberal Arts includes three divisions: Humanities, Social Sciences, and Natural Sciences.

The allocation of departments and particular fields of study to the several colleges does not mean that election of courses is restricted to students enrolled in a particular college. The student may cross college lines, under proper supervision, should this be necessary to enable him to select the courses best suited to his needs.

SUBJECTS OF INSTRUCTION IN THE DIVISIONS

The departments and subjects of instruction are grouped under the divisions as follows:

HUMANITIES	NATURAL SCIENCES	SOCIAL SCIENCES
Art	Biology	Commerce
Latin and Greek	Chemistry	Economics
English	Mathematics	History
Modern Languages	Physics	Home Economics
Music		Political Science
Philosophy		Secretarial Science
Speech		Sociology

ENTRANCE REQUIREMENTS

In order to be enrolled in a division, the student must have completed with a quality point ratio of two, 64 semester hours in the General College (including the required courses in general education), including such prerequisites as may be prescribed for his field of concentration.

The admission of students to the Upper College is a responsibility of the academic deans in consultation with the Dean of Students and the heads of the departments concerned.

FIELDS OF CONCENTRATION

Each student chooses some field of concentration within the division. These fields of concentration vary, depending upon the student's preparation, interests, and objectives. The chief aim is to have the student pursue, under the guidance of the department head and the divisional chairman, that program of studies which most adequately meets his individual needs. The emphasis is not on any prescribed and inflexible program which all students must take, but rather on the individual student himself and what will best prepare him for his future work.

DIVISIONAL MAJORS

For students who do not desire any narrower field of concentration than the division itself, the following divisional majors are provided:

In Humanities, at least 49 hours in the division, at least 18 hours of which must be in courses of 100 level or above.

In Social Science, irrespective of the introductory courses in general education, each program must include:

- a. At least 54 semester hours in the division. Only courses which count toward the B.A. degree may be included.
- b. At least 18 hours and not more than 21 hours in each of two departments. No hours in excess of 21 in any one department will be accepted for credit unless the student meets requirements of such department for graduation.
- c. At least 9 hours in each of two other departments, or 18 hours in one other department.

- d. At least 24 hours of divisional courses on the upper college level.
- e. At least 24 hours outside of the division.

In *Natural Science*, at least five semester courses on the upper college level. These courses may be taken in two or more departments, if the student has had the necessary prerequisites.

Students choosing divisional majors are required to pass a general final examination in the second semester of the senior year.

AMERICAN CIVILIZATION MAJORS

Students majoring in American Civilization are under the direct supervision of the Dean of the College of Liberal Arts. Those who are considering this major are urged to consult with the Dean of Students as early as possible in the second year. Printed instructions describing the requirements of this field of study are available in the Dean's office.

DEGREES

The following degrees are granted in the divisions:

The Humanities: B.A.; B.S. in Applied Art.

The Social Sciences: B.A.; B.S. in Business Administration; B.S. in Secretarial Science.

The Major in American Civilization: B.A.

The Natural Sciences: B.S. (However, at the discretion of the divisional chairman, students majoring in mathematics may be granted the B.A. degree if much of their work is in the humanities or social sciences.

REQUIREMENTS FOR GRADUATION

1. A minimum of 128 semester hours, including the work in the General College.
2. A minimum quality point ratio of two in the major field and for all work attempted.
3. The recommendation of the student's major professor.
4. Except in commerce and secretarial science, completion of the second year of a foreign language on the university level.
5. Exclusive of the required courses in general education in the General College, students are expected to take at least fifty per cent—and it is desirable that they take not more than seventy-five per cent—of their total work for graduation in their major division.

PREPARATION FOR HIGH SCHOOL TEACHING

All Liberal Arts students who wish to prepare for high school teaching must register with the Dean of the College of Education two years prior to the time at which they expect to begin teaching.

Each prospective high school teacher is expected to be prepared to teach in one major and two minor fields, according to the grouping of subjects by the State Department of Education.

Each student will be required to pass the qualifying examination before entering upon practice teaching.

For additional information concerning requirements see College of Education.

Professional requirements and their sequence:

<i>Second Year General College</i>			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
General Psychology	3	Educational Psychology	3
Introduction to Education	3		
(first or second semester)			
<i>First Year Upper College</i>			
Methods	3	Tests and Measurements	2
<i>Second Year Upper College</i>			
Principles of Education	3	Student Teaching	6
		School Management	2
OR		OR	
Student Teaching	6	Principles of Education	3
School Management	2		

THE ARTS-TEACHERS COMBINATION COURSE

A five-year combination Liberal Arts-Education program, leading to the degree Bachelor of Arts and the degree Bachelor of Arts in Education, is offered students preparing for teaching. Students interested in taking such a combination course should confer with the Dean of the College of Education before entering the Upper College.

THE HUMANITIES DIVISION

OBJECTIVES OF THE HUMANITIES DIVISION

1. To develop in the student an awareness of, and appreciation for, man's cultural heritage in literature, art, music, and philosophy, together with an understanding of the necessity for its preservation and enrichment.
2. To send out into the world men and women who not only can do things but also can understand things; who view the present in its proper relation to the past; who remain hopeful because they have enjoyed an ennobling acquaintance with the aspirations and achievements of the world's great creative artists; who are better citizens because they are thoughtful citizens; who are happier human beings because they can enjoy the use of their own minds.
3. To aid the student in his efforts to express himself clearly and forcefully in his mother tongue.
4. To motivate the student toward independent study so that he may continue to pursue his aesthetic and philosophical interests after he has finished his college work.
5. To offer the student such training in the individual subject fields that he may be able to pursue his chosen study beyond his undergraduate work.
6. To encourage the student to develop latent creative ability.

DEGREES

The degrees granted in this division are B.A.; B.S. in Applied Art.

ART

PROFESSOR BARNHARDT, ASSISTANT PROFESSOR CABLE, MISS RIBLET,
MR. HILLBOM, MISS MOCH

Prerequisites in the General College: To enter art as a field of concentration, students should have completed in the General College the following courses in addition to the required courses in general education: Structural Art, 2 credits; Art Appreciation, 4 credits; Design, 4 credits; Drawing and Rendering, 4 credits; Modeling, 4 credits; and the second year of a foreign language. Courses suggested but not required: Psychology 41-42, Sociology 41, Shakspeare 41.

General Final Examination: Students majoring in art will be required, in the second semester of the senior year, to pass a general final examination in the subject.

Required Courses in the Upper College:

	Cr. Hrs.
History of Art	6
Commercial Art	4
Graphic Arts	4
Occupational Therapy	2
General Crafts	2
Weaving	4
Costume	6
Interior Decoration	6
Illustration	4
Figure Drawing	4
Classical and Medieval Art	3
	45

Suggested Electives: Ancient and Medieval History, 12 credits; Greek Masterpieces, 4 credits; Drama, 6 credits.

GENERAL COLLEGE

- 21. STRUCTURAL ART. Either semester. 2 credits.
- 22. DESIGN. Second semester. 2 credits. Prerequisite, 21.
- 29-30. APPRECIATION OF ART. 2 credits each semester.
- 43. INDUSTRIAL DESIGN. First semester. 2 credits. Prerequisite, 22.
- 45-46. DRAWING AND RENDERING. 2 credits each semester.
- 47-48. STILL LIFE. 2 credits each semester. Prerequisite, 46.
- 59. CLAY MODELING. First semester. 2 credits. Prerequisite, 22.
- 60. MODELING. Second semester. 2 credits. Prerequisite, 59.

UPPER COLLEGE

- 101. OCCUPATIONAL THERAPY. 2 credits. Prerequisite, 43.
- 102. GENERAL CRAFTS. 2 credits. Prerequisite, 43.
- 104. GRAPHIC ARTS: DRY-POINT ETCHING, BLOCK PRINTING.
Second semester. 2 credits. Prerequisite, 46. 1943-44.
- 105. GRAPHIC ARTS: ACID ETCHING, STENCIL, PROVINCETOWN PRINT.
First semester. 2 credits. Prerequisite, 104. 1943-44.
- 106-107. WEAVING. 2 credits each semester. Prerequisite, 43.
- 113. CLASSICAL AND MEDIEVAL ART. First semester. 3 credits.
In cooperation with the Department of Latin and Greek.
- 131-132. COMMERCIAL ART. 2 credits each semester.
Prerequisite, 22, 45. 1942-43 and alternate years.
- 141-142. ADVANCED COMMERCIAL ART. 2 credits each semester.
Prerequisite, 132.
- 151-152. COSTUME. 3 credits each semester. Prerequisite, 43.
1943-44 and alternate years.
- 161-162. COSTUME. 2 credits each semester. Prerequisite, 43.
Evening and Summer sessions.
- 171-172. INTERIOR DECORATION. 3 credits each semester.
Prerequisite, 43. 1942-43 and alternate years.
- 175-176. FIGURE DRAWING. 2 credits each semester.
Prerequisite, 112. Fee, \$1.50 each semester.
- 179-180. ILLUSTRATION. 2 credits each semester. Prerequisite, 176.
1943-44 and alternate years.
- 201. HISTORY OF ART, RENAISSANCE. First semester. 3 credits.
Prerequisite, 113.
- 202. HISTORY OF ART, MODERN. Second semester. 3 credits.
Prerequisite, 201.
- 181-182. INTERIOR DECORATION. 2 credits each semester.
Prerequisite, 43. Evening and Summer sessions.
- 211. CLASSICAL AND MEDIEVAL ART. 2 credits.
Evening and Summer sessions.
- 212. HISTORY OF ART, RENAISSANCE. First semester. 2 credits.
Evening and Summer sessions.
- 213. HISTORY OF ART, MODERN. Second semester. 2 credits.
Evening and Summer sessions. Prerequisite, 212.

ENGLISH

PROFESSORS SPANTON AND PEASE; ASSOCIATE PROFESSOR HAMILTON;
 ASSISTANT PROFESSORS ROBERTS, KEISTER, RAW, THACKABERRY; MRS. PUTMAN,
 MRS. WHITNEY, MR. CAMPBELL, MRS. THACKABERRY, MISS RIEDINGER;
 ASSISTANT PROFESSOR VANCE (*Journalism*)

Required Courses: Students majoring in English must take, in the General College, Shakspeare 41, Short Story Writing 43-44, or Essay Writing 63-64, and American Literature 47-48. These courses should be taken in the sophomore year; certainly not later than the junior year. In the Upper College students must take at least 20 hours in the department, exclusive of courses in Journalism and including English Literature 109-110, Chaucer 201, and History of the English Language 162. They are also expected to take Greek Masterpieces in Translation 149-150, Latin Masterpieces in Translation 152, and English History 151-152.

General College Courses Suggested: Appreciation of Art 29-30, The Art of Music 22, Typewriting 31, American History 41-42.

GENERAL COLLEGE

1-2. ENGLISH, ORAL AND WRITTEN. 3 credits each semester.

Described in the General College section.

41. SHAKSPERE. Either semester. 3 credits.

Required of English majors for graduation. Students planning to major in English should elect this course in the sophomore year.

42. THE MAKING OF MODERN ENGLISH. Second semester. 3 credits.

A study of modern English usage, with attention to historical backgrounds and the principles of descriptive grammar.

45. APPRECIATION OF PROSE. Either semester. 3 credits.

46. APPRECIATION OF POETRY. Either semester. 3 credits.

50. APPRECIATION OF THE DRAMA. Either semester. 3 credits.

Courses 45, 46, and 50 constitute the General College program in appreciation of literature. They may be taken in any order. Prerequisite for any of these courses is normally English 2.

Each unit of the work offers a critical approach to specific literary forms, and the three units combine to provide an introduction to general reading and to an understanding of the contribution made by literature to a well-rounded life. Required readings include both standard literary works and contemporary writings.

47-48. AMERICAN LITERATURE OF THE NINETEENTH CENTURY.

3 credits each semester.

43-44. SHORT STORY WRITING. 2 credits each semester.

1942-43 and alternate years. This course or 63-64 is required for English majors. Prerequisite, 2.

63-64. ESSAY WRITING. 2 credits each semester.

1943-44 and alternate years. Prerequisite, 2. This course or 43-44 is required for English majors.

Both 43-44 and 63-64 are courses in advanced composition for English majors and for others with some special aptitude for writing.

JOURNALISM

51. NEWS WRITING. First semester. 3 credits.
The class meets two periods each week. The third credit is given for laboratory work on the student newspaper.
52. NEWS WRITING. Second semester. 3 credits.
A continuation of 51; may be taken either before or after it.
53. NEWS WRITING AND EDITING. First semester. 2 credits.
Evening session only.
55. HISTORY OF JOURNALISM. First semester. 2 credits.
1942-43 and alternate years.
56. FEATURE WRITING. Second semester. 2 credits.
57. EDITORIAL WRITING. First semester. 2 credits.
1943-44 and alternate years.

UPPER COLLEGE

102. SIXTEENTH CENTURY LITERATURE. Second semester. 3 credits.
1942-43 and alternate years.
103. SEVENTEENTH CENTURY LITERATURE. First semester. 3 credits.
1943-44 and alternate years.
104. EIGHTEENTH CENTURY LITERATURE. Second semester. 3 credits.
1943-44 and alternate years.
- 105-106. NINETEENTH CENTURY LITERATURE. 3 credits each semester.
1942-43 and alternate years.
- 109-110. ENGLISH LITERATURE. 3 credits each semester. A survey of English literature from Anglo-Saxon to modern times. Lectures on English literary history; assigned readings in English masterpieces of all periods. Required of English majors. Open only to juniors and seniors. To be taken preferably in the senior year.
- 113-114. THE ENGLISH BIBLE AS LITERATURE. 3 credits each semester.
- 119-120. AMERICAN LITERATURE. 3 credits each semester.
- 121-122. ENGLISH FICTION: DEVELOPMENT OF THE NOVEL.
3 credits each semester. 1943-44 and alternate years.
162. HISTORY OF THE ENGLISH LANGUAGE. Second semester. 3 credits.
1943-44 and alternate years.
201. CHAUCER. First semester. 3 credits. 1943-44 and alternate years.
- 203-204. THE DRAMA. 3 credits each semester. 1942-43 and alternate years.
- 205-206. ANGLO-SAXON. 3 credits each semester. 1942-43 and alternate years.

All English majors intending to teach should take this course, either for graduate or undergraduate credit.

207. MIDDLE ENGLISH. 3 credits.
209. SHAKSPERE. Second semester. 3 credits.
An intensive study of three selected plays.
212. MILTON. Second semester. 2 credits.
Emphasis upon *Paradise Lost* and *Samson Agonistes*. 1943-44 and alternate years.
- 231-232. SEMINAR. Either or both semesters, with a total of 2 credits.
401. RESEARCH. 1 to 3 credits.

JOURNALISM

- 153-154. EDITING. 2 credits each semester. Prerequisite, News Writing 51-52 or the equivalent.

LATIN AND GREEK

PROFESSOR YOUNG

Required Courses for majors: in the General College, Latin 43-44; in the Upper College, Latin and Greek Masterpieces, Classical Seminar.

General College courses suggested: Shakspeare 41.

Major: Twenty-four hours of Latin.

General Final Examination: Students majoring in this department are subject to a general final examination in their senior year to test their achievement in their chosen field of study.

GENERAL COLLEGE

- At least two units of high school Latin are required in order to enter Latin 21. Students presenting four units for admission are expected to enrol in Course 43; those presenting three units should consult the instructor.
21. CAESAR AUGUSTUS: RES GESTAE, AND NEPOS: LIFE OF HANNIBAL. First semester. 3 credits.
22. CICERO: LETTERS, AND PLINY: LETTERS. Second semester. 3 credits. Prerequisite, 21, or high school equivalent.
43. OVID: METAMORPHOSES. First semester. 3 credits. Prerequisite, 22, or high school equivalent.
44. PLAUTUS: MOSTELLARIA, AND APULEIUS: GOLDEN ASS. Second semester. 3 credits. Prerequisite, 43, or high school equivalent.
- 21-22. ELEMENTARY GREEK. 4 credits each semester. 1942-43 and alternate years.
- ADVANCED GREEK will be given on sufficient demand.
99. CLASSICAL MYTHOLOGY. Second semester. 3 credits. 1943-44 and alternate years.

UPPER COLLEGE

103. PLAUTUS: MENAECHMI, AND MARTIAL: EPIGRAMS. First semester. 3 credits. 1943-44 in 4-year cycle.
104. LUCRETIUS: DE RERUM NATURA, AND TACITUS: AGRICOLA. Second semester. 3 credits. 1943-44 in 4-year cycle.
105. HORACE: ODES. First semester. 3 credits. Prerequisite, 44. 1942-43 in 4-year cycle.
106. VERGIL: AENEID, AND JUVENAL: SATIRES. Second semester. 3 credits. Prerequisite, 44. 1942-43 in 4-year cycle.

107. CATULLUS, AND VERGIL: GEORGICS. First semester. 3 credits.
Prerequisite, 44. 1941-42 in 4-year cycle.
108. LATIN EPIGRAPHY, AND SUETONIUS: LIVES OF CAESARS.
Second semester. 3 credits. Prerequisite, 44. 1941-42 in 4-year cycle.
- 109-110. LATIN PROSE COMPOSITION. 1 credit each semester.
Indispensable for prospective graduate students and candidates for teaching positions. Prerequisite, 44. 1942-43 and alternate years.
111. SELECTIONS FROM MEDIEVAL LATIN, AND SELECTIONS FROM LATIN NOVELS. Second semester. 3 credits.
Prerequisite, 44. 1942-43 in 4-year cycle.
112. CLASSICAL SEMINAR. Second semester. 1 credit. Prerequisite, senior rank. Required for majors.
113. CLASSICAL AND MEDIEVAL ART. First semester. 3 credits.
114. ROMAN PRIVATE LIFE. 3 credits. Summer Session.
- 149-150. GREEK MASTERPIECES IN ENGLISH TRANSLATIONS.
2 credits each semester.
1943-44 and alternate years. Required for majors.
152. LATIN MASTERPIECES IN ENGLISH TRANSLATIONS.
Second semester. 3 credits.
1942-43 and alternate years. Required for majors.

MODERN LANGUAGES

PROFESSOR BULGER, ASSOCIATE PROFESSOR REED,
ASSISTANT PROFESSORS FANNING AND INTERNOSCIA, MRS. DUNCAN, MISS PUSATERI

Students who concentrate in foreign languages at the upper level are required to take, toward the end of the senior year, a general final examination in the language particularly emphasized.

Major: At least 24 hours in one language.

Credit for college work in Modern Languages is indicated by the following table:

High School Credits	Course Entered in College	Credit Given
1 unit	First year	Full credit
	*Second year	Full credit
2 units	Second year	Full credit
	First-year	Half credit
	†Third year	Full credit
3 units	Second year	Half credit
	First year	No credit
4 units	Third year	Full credit
	Second year	No credit

* Superior students may enter the second year course.

† Superior students may enter the third year course.

GENERAL COLLEGE

- 21-22. FIRST YEAR FRENCH. 4 credits each semester.
- 43-44. SECOND YEAR FRENCH. 3 credits each semester.
Prerequisite, 21-22.

- 21-22. FIRST YEAR GERMAN. 4 credits each semester.
 43-44. SECOND YEAR GERMAN. 3 credits each semester.
 Prerequisite, 21-22.
- 21-22. FIRST YEAR SPANISH. 4 credits each semester.
 43-44. SECOND YEAR SPANISH. 3 credits each semester.
 Prerequisite, 21-22.

UPPER COLLEGE

- 101-102. THIRD YEAR FRENCH: THE FRENCH NOVEL. 2 credits each semester. Prerequisite, 44.
 103-104. FRENCH COMPOSITION. 1 credit each semester.
 Prerequisite, 44.
 105. FRENCH PHONETICS. Second semester. 1 credit.
 209 to 216. ADVANCED FRENCH. 3 credits each semester.
 Prerequisite, 102 or 104.

One of the following French courses is given each year:

- 209-210. NINETEENTH CENTURY DRAMA.
 211-212. SURVEY OF FRENCH LITERATURE.
 213-214. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY.
 215-216. HISTORY OF THE FRENCH NOVEL TO THE NINETEENTH CENTURY.

- 101-102. GERMAN DAILY LIFE AND COMPOSITION. 3 credits each semester. Prerequisite, 44.
 207 to 218. ADVANCED GERMAN. 3 credits each semester.
 Prerequisite, 44.

One of the following German courses is offered each year:

- 207-208. SCHILLER.
 209-210. GOETHE.
 211-212. SURVEY OF GERMAN LITERATURE.
 213-214. MODERN GERMAN DRAMA.
 215-216. FAUST.
 217-218. SHORT STORY.

One of the following Spanish courses is offered each year:

- 103-104. APPLIED SPANISH COMPOSITION. 3 credits each semester.
 Prerequisite, 44.
 207-208. MODERN SPANISH LITERATURE. 3 credits each semester.
 Prerequisite, 44.
 209-210. SPANISH LITERATURE OF THE GOLDEN AGE AND EIGHTEENTH CENTURY (1550-1800). 3 credits each semester. Prerequisite, 44.
 211-212. SURVEY OF SPANISH LITERATURE. 3 credits each semester.
 Prerequisite, 44.

41. THEORY I. 5 credits.

A detailed study of scales, intervals, triads and chord formations through ear, eye and keyboard.

42. THEORY II. 5 credits.

A continuation of Theory I in the study of altered chords, ornamentations, and modulations.

UPPER COLLEGE

101-102. HISTORY OF MUSIC. 2 credits each semester.

An historical resumé of the development of music from ancient to modern times, emphasizing the major personalities and the styles in which they wrote.

103. THEORY III. 3 credits.

Simple two- and three-part modal and tonal counterpoint in the five species.

104. THEORY IV. 3 credits.

An analytical study of the forms employed in music, covering both the homophonic and polyphonic devices.

111. COMPOSITION. 2 credits.

Original creative work based on the simpler homophonic and polyphonic forms.

112. CONDUCTING. 2 credits.

The technique and practice of conducting choral and instrumental scores.

114. ORCHESTRATION. 2 credits.

A study of the theory of instrumentation, reading and scoring, and the reduction of an orchestral score for the piano.

201. RESEARCH. 2 credits.

A study of special problems in the theory and in the history of music; open only to graduates and advanced undergraduates.

PHILOSOPHY

PROFESSOR WOOD

Students may choose a combination of Philosophy and Psychology as a field of concentration, but not Philosophy or Psychology alone. Prerequisites in the General College are Philosophy 55-56, and Psychology 41-42.

Required Upper College courses: All the courses offered in Philosophy, and, ordinarily, the following courses in Psychology: Child Psychology, Mental Hygiene, Abnormal Psychology, Experimental Psychology, Social Psychology, Genetic Psychology, and Psychology of Adolescence.

General Final Examination: Students majoring in Philosophy and Psychology will be required to pass a general final examination the second semester of the senior year.

GENERAL COLLEGE

55. INTRODUCTION TO PHILOSOPHY. Either semester. 3 credits.

56. THE FIELD OF PHILOSOPHY. Second semester. 3 credits.

Prerequisite, 55.

UPPER COLLEGE

103. HISTORY OF PHILOSOPHY. First semester. 3 credits.

Prerequisite, 55. 1942-43 and alternate years.

104. LOGIC. Second semester. 3 credits. 1942-43 and alternate years.

105. ETHICS. Second semester. 3 credits. 1943-44 and alternate years.

106. PHILOSOPHY OF RELIGION. Second semester. 3 credits.

1943-44 and alternate years.

See College of Education for courses in Psychology.

SPEECH

PROFESSOR HITCHCOCK, MR. VARIAN, MR. STARLIN, MISS ALOGDELIS,
MISS SWEDENBURG, MR. KOCHMAN, MR. TURNER

Prerequisites: To enter speech as a field of concentration the student must have credit in the General College for Speech 41. Interpretation 51 is strongly recommended. For General College courses suggested, see General College section under requirements for promotion.

24 credit hours constitute a major in speech. The following courses are required: 41, 51, 271, 272, 291, 292, 293. Students are expected to take at least one course in each area of the speech field.

GENERAL COLLEGE

- 41. PUBLIC SPEAKING. Either semester. 3 credits.
- 42. ADVANCED PUBLIC SPEAKING. Either semester. 3 credits.
Prerequisite, 41.
- 45-46. ORAL ARGUMENT. 2 credits each semester.
- 47. BUSINESS AND PROFESSIONAL SPEAKING. Either semester. 2 credits.
- 48. ADVANCED BUSINESS AND PROFESSIONAL SPEAKING. Either semester.
2 credits.
- 51. INTERPRETATION (READING ALOUD). First semester. 3 credits.
- 52. ADVANCED INTERPRETATION. Second semester. 3 credits.
- 56. PUBLIC DISCUSSION AND GROUP PROCEDURE. Second semester.
3 credits. Prerequisite, permission.
- 57-58. INTERCOLLEGIATE DEBATE. 1 or 2 credits each semester.
- 59-60. INTERCOLLEGIATE DEBATE. 1 or 2 credits each semester.
- 65-66. SPEECH IMPROVEMENT. 1 credit each semester.
- 76. FUNDAMENTALS OF SPEECH. Either semester. 3 credits.

UPPER COLLEGE

- 114. TEACHING OF SPEECH. Either semester. 2 credits.
A course in teaching methods to improve the speech of the elementary and secondary school child. Not credited in the Liberal Arts College.
- 143. FORMS OF PUBLIC ADDRESS. Either semester. 3 credits.
Prerequisite, 42.
- 144. FORMS OF PUBLIC ADDRESS. Second semester. 3 credits.
Prerequisite, 143.
- 154. VOICE TRAINING. Either semester. 1 credit.
- 161. PLAY PRODUCTION. First semester. 3 credits. Fee, \$2.
- 162. ADVANCED PLAY PRODUCTION. Second semester. 3 credits. Fee, \$2.
- 163-164. ACTING. 3 credits each semester. Prerequisite, 51.
- 165-166. SPEECH IMPROVEMENT (ADVANCED), 1 credit each semester.
Prerequisite, 65-66, or permission.
- 167. HISTORY OF THE THEATER. First semester. 3 credits.
- 181. RADIO SPEAKING. Either semester. 3 credits. Fee, \$1.
- 204. SPEECH PHONETICS. Second semester. 2 credits.
- 271-272. SPEECH CORRECTION. 2 credits each semester.
- 287. SEMINAR IN RADIO WRITING AND PRODUCTION. 3 credits. Fee, \$1.
- 291-292. HISTORY AND DEVELOPMENT OF SPEECH.
2 credits each semester.
- 293. SPEECH SEMINAR. Second semester. 2 credits.
- 393. RESEARCH. Either semester. 1 to 3 credits.

THE SOCIAL SCIENCE DIVISION

OBJECTIVES OF THE SOCIAL SCIENCE DIVISION

To give students cultural and useful information in the fields of commerce, economics, history, home economics, political science, secretarial science, and sociology.

To prepare students for graduate study in the professions, in public service, and in business, and in so doing to emphasize sound methods of inquiry, fair criticism, and love of truth.

To inculcate in students a sense of social responsibility, and a respect for the opinions and the rights of others; to equip them with a knowledge of human relationships and with qualities of leadership so that they may function worthily in, and seek to improve, our social order; and to enable them to enjoy human fellowship and to maintain a saving sense of humor in the process of social adjustment.

To supply the local community with expert service in the field of social science.

DEGREES

The degrees granted in this division are B.A.; B.S. in Business Administration; and B.S. in Secretarial Science.

COMMERCE

PROFESSOR LEIGH, ASSOCIATE PROFESSORS MCKEE AND HILLIARD, MR. HENRY,
MR. BISBING, MR. SIMONETTI, MR. POWERS, MR. HERSH, MR. CLARKE,
MR. NORMAN SMITH

The department of commerce offers professional training to young men and women who plan to enter the fields of industry, trade, finance, or transportation. The curriculum in business administration aims to develop and apply those general fundamentals of economics and administration which are common to all businesses and even governmental organizations. The University of Akron, being situated in a great industrial and trade area, is particularly qualified to offer training in the fields of accounting, finance, management, marketing, advertising, and merchandising. By means of lectures, inspection trips, and problems the student is kept in touch with the actual developments in the various phases of commerce.

In addition to the 36 hours specified in the General College requirements, the following specific requirements should be met for admission to the commerce department: Accounting 21-22; Business Administration 61; Selling and Advertising 81; Economics 41-48. For General College courses recommended but not required, see General College section.

For a degree in business administration, the following additional requirements must be taken during the second or third year: Analytical Accounting 43, Economic Geography 54, Typewriting 31.

The degree of Bachelor of Science in Business Administration will be granted to those students who complete the prescribed curriculum in Business Administration, including two hours of seminar.

THE BUSINESS ADMINISTRATION COURSE

Third Year

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Business Law 141	3	Business Law 142	3
Marketing 183	3	†Production Management 162 or }	3
Business Finance 171	3	†Advertising 185	3
§Approved Elective	3	Statistics 147	4
		§Approved Elective	3

Fourth Year

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Electives in Majors	6	Electives in Majors	6
Seminar	1	Business Policy 268	3
		Seminar	1

In addition to the particular courses specified above, each business administration student will elect and complete 14 hours, including Seminar, in some major. Five fields of specialization are available to him; namely, Accounting, Finance, Advertising and Marketing, Management, and General Business. The courses applicable and required (starred courses required) toward each major are listed below.

ACCOUNTING

Courses	Cr. Hrs.	Prerequisites
*Accounting 44	3	Accounting 43
*Cost Accounting 127	3	Accounting 43
Advanced Cost Accounting 228	6	Accounting 43
Auditing 229	3	Accounting 44
Advanced Accounting 231-232	6	Accounting 44
Specialized Accounting Problems 235	3	Advanced Accounting 231-232
Income Tax 233-234	3	Consent of Instructor
Accounting Systems 230	3	Consent of Instructor
*Seminar	2	

FINANCE

Courses	Cr. Hrs.	Prerequisites
*Money and Banking 48	3	Economics 41
Economics 108	3	Business Finance 171
Insurance and Security 158	3	Money and Banking 45
Banking Practice and Management 176	3	Money and Banking 48
*Investments 172	3	{ Money and Banking 48
		{ Business Finance 171
Security Markets 277	3	Money and Banking 48
Problems in Finance 279	3	{ Money and Banking 48
		{ Business Finance 171
*Seminar	2	

ADVERTISING AND MARKETING

Courses	Cr. Hrs.	Prerequisites
Commercial Art 131-132	4	
*Advertising 185	3	
Advanced Advertising 186	3	Advertising 185
Retailing 192	3	
Problems in Marketing 193	3	
Sales Administration 291	3	Marketing 183
Market Analysis 296	3	Marketing 183
*Seminar	2	

† Majors in management and accounting must take Production Management; majors in finance and marketing must take Advertising; majors in general business must take Production Management and Advertising.

§ The following courses are particularly recommended: Commercial Art, Labor Problems, Public Finance, Business Mathematics, Government and Business, Business Psychology, and Business Correspondence.

* Required courses in the particular major.

MANAGEMENT

Courses	Cr. Hrs.	Prerequisites
*Cost Accounting 127	3	9 hours of accounting
Personnel Administration IE-154.....	3	Business Administration 61
Industrial Production or Management Problems IE-155 or 156	3	Personnel Administration IE-154
Time or Motion Study IE-157-158.....	3	
Purchasing 189	2	Business Administration 61
*Sales Administration 291	3	Marketing 183
*Seminar	1	
*Personnel Management 164	2	

GENERAL BUSINESS

Courses	Cr. Hrs.	Prerequisites
Cost Accounting 127	3	9 hours of accounting
Transportation 155 or Foreign Trade	3	Money and Banking 48
Personnel Management 164	3	Business Administration 61
*Advertising 185	3	
Purchasing 189	2	Money and Banking 48
Problems in Finance 279	3	Business Finance 171
*Sales Administration 291	3	Marketing 183
*Seminar	2	

GENERAL COLLEGE

- 21-22. ACCOUNTING. 3 credits each semester. No credit is given toward graduation for less than the full year's work.
- 41-42. SECRETARIAL ACCOUNTING. 3 credits each semester.
A course designed especially for secretarial science students. However, such students may take either this course or Accounting 21-22.
43. ANALYTICAL ACCOUNTING. First semester. 3 credits.
Prerequisite, 22.
44. INTERMEDIATE ACCOUNTING. Second semester. 3 credits.
Prerequisite, 43.
51. BUSINESS LAW. First semester. 3 credits.
Designed especially for students in secretarial science.
54. ECONOMIC GEOGRAPHY. First semester. 3 credits.
61. BUSINESS ADMINISTRATION. Either semester. 3 credits.
81. SELLING AND ADVERTISING. Either semester. 2 credits.
82. CONSUMER ECONOMICS. Second semester. 3 credits.

UPPER COLLEGE

123. BUDGETING. First semester. 3 credits. Prerequisite, 43.
125. ENGINEERING ACCOUNTING. 3 credits.
127. COST ACCOUNTING. Either semester. 3 credits.
Prerequisite, 43.
228. ADVANCED COST ACCOUNTING. Second semester. 3 credits.
Prerequisite, 127. 1943-44 and alternate years.
229. AUDITING. First semester. 3 credits. Prerequisite, 44.
1942-43 and alternate years.

* Required courses in the particular major.

230. ACCOUNTING SYSTEMS. 3 credits. Prerequisite, 44.
Given only when demand warrants.
- 231-232. ADVANCED ACCOUNTING. 3 credits each semester.
Prerequisite, 44 or equivalent.
- 233-234. INCOME TAX. 3 credits each semester.
Prerequisite, 44. Given in alternate years.
236. SPECIALIZED ACCOUNTING PROBLEMS. 3 credits.
Prerequisite, 231. Open to accounting majors and to others
by permission of the instructor.
- 141-142. BUSINESS LAW. 3 credits each semester.
144. LAW OF CREDIT AND COLLECTIONS. Second semester. 2 credits.
146. REAL ESTATE LAW. Second semester. 2 credits.
147. GENERAL STATISTICS. First semester. 3 credits.
For Sociology, and other Social Science majors.
148. STATISTICS. Either semester. $\frac{1}{2}$ credits. Prerequisite, 6 credits in
Economics.
248. ADVANCED STATISTICS. 3 credits. Prerequisite, 147.
Given only when demand warrants.
151. TRANSPORTATION. First semester. 3 credits. Prerequisite,
Economics 41 and 48.
152. TRAFFIC MANAGEMENT. 2 credits. Prerequisite, 151.
156. FOREIGN TRADE. Second semester. 3 credits. Prerequisite,
Economics 41 and 48.
158. INSURANCE AND SECURITY. Second semester. 3 credits.
Prerequisite, Economics 41 and 48.
162. PRODUCTION MANAGEMENT. Second semester. 3 credits.
Prerequisite, 61.
- 163-164. PERSONNEL MANAGEMENT AND RELATIONS. 2 credits each
semester. Prerequisite, 61.
268. BUSINESS POLICY. Second semester. 3 credits.
Required of all commerce seniors.
171. BUSINESS FINANCE. First semester. 3 credits. Prerequisite,
Economics 41 and 48.
172. INVESTMENTS. Second semester. 3 credits. Prerequisite, 171.
174. CREDITS AND COLLECTIONS. Second semester. 2 credits.
176. BANKING PRACTICE AND MANAGEMENT. 3 credits.
Prerequisite, Economics 48. Given only when demand war-
rants.
277. SECURITY MARKETS. Second semester. 3 credits.
Prerequisite, 171.
279. PROBLEMS IN FINANCE. Second semester. 3 credits.
Prerequisite, 171.

183. MARKETING. First semester. 3 credits. Open to juniors.
Prerequisite, Economics 41 and 48.
185. PRINCIPLES OF ADVERTISING. Either semester. 3 credits.
186. ADVANCED ADVERTISING. Second semester. 3 credits.
Prerequisite, 185.
189. PURCHASING AND PROCUREMENT. 2 credits.
Given only when demand warrants.
192. RETAILING. Second semester. 3 credits. Prerequisite, junior standing or consent of instructor.
291. SALES ADMINISTRATION. Second semester. 3 credits.
Prerequisite, 183.
293. PROBLEMS IN MARKETING. Second semester. 3 credits.
Prerequisite, 183. Given in alternate years.
296. MARKET ANALYSIS. Second semester. 3 credits.
Prerequisite, 190, or equivalent.
- 297-298. SEMINAR. 1 credit each semester. Required of all senior commerce majors.

ECONOMICS

PROFESSOR O'HARA, ASSOCIATE PROFESSOR FORD, MR. SCHARRER, MRS. OLIVO

Students emphasizing economics in their field of concentration are expected to take at least 24 hours of work in the field of economics. The courses included in this requirement are determined by the needs and interests of the individual student. In order to insure the best possible sequence of courses to meet the objectives of the student, it is important: (1) that the student select his field of concentration as early as possible in his course, and (2) that he consult the head of his department promptly and arrange his tentative program for the remaining years of his course.

The following courses are accepted in meeting the requirements for a degree in economics. Except as indicated, all have as prerequisites Economics 41 and 42, 44 or 48, (offered in the General College). In special cases, these prerequisites may be modified.

For General College courses suggested but not required, see General College section.

GENERAL COLLEGE

41. PRODUCTION, PRICES, AND INCOME. First semester. 3 credits.
42. CURRENT ECONOMIC PROBLEMS. Second semester. 3 credits.
44. DEVELOPMENT OF ECONOMIC INSTITUTIONS. Either semester.
3 credits.
48. MONEY AND BANKING. Second semester. 3 credits.

UPPER COLLEGE

106. LABOR PROBLEMS. Second semester. 3 credits.
1942-1943 and alternate years.
108. PUBLIC FINANCE. Second semester. 3 credits.
112. ECONOMICS OF WAR. Second semester. 2 credits.
141. ANALYTICAL ECONOMICS. First semester. 3 credits.
147. STATISTICS. Either semester. 4 credits.
155. TRANSPORTATION. First semester. 3 credits.

168. INTERNATIONAL ECONOMIC RELATIONS. Second semester. 3 credits.
An analysis of the theory of international trade and the foreign exchanges. Policies of free and controlled trade. Trade monopoly. International monetary problems. World economic planning.
171. BUSINESS FINANCE. First semester. 3 credits.
Prerequisite, 48.
183. MARKETING. First semester. 3 credits.
(Courses 147, 155, 171, 183 are given in the commerce department.)
204. MONETARY AND BANKING POLICY. Second semester.
3 credits. Prerequisite, 48.
210. COMPARATIVE ECONOMICS. Second semester. 3 credits.
291. ECONOMIC CYCLES. First semester. 2 credits.
293. DEVELOPMENT OF ECONOMIC THOUGHT. First semester. 3 credits.
294. CONTEMPORARY ECONOMIC THOUGHT AND POLICY. Second semester.
3 credits. 1942-43 and alternate years.
298. SEMINAR IN ECONOMICS. Second semester. 2 credits.
Required of all candidates for the degree with an economics major.

HISTORY

PROFESSORS SAPPINGTON AND BALDWIN,
ASSISTANT PROFESSOR MOORE, MISS CAINE

General Final Examination: In order to be recommended for a degree, students emphasizing history in the Division of Social Sciences will be required to pass a general final examination covering Historiography and four of the following fields: Ancient, Medieval European, Modern European, American, American Colonial.

GENERAL COLLEGE

41. AMERICAN HISTORY THROUGH THE CIVIL WAR. First semester.
3 credits.
42. AMERICAN HISTORY SINCE THE CIVIL WAR. Second semester.
3 credits.
- 45-46. MODERN EUROPEAN HISTORY. 3 credits each semester.
49. MEDIEVAL HISTORY. Either semester. 3 credits.

UPPER COLLEGE

111. ORIENTAL AND GREEK CIVILIZATION. First semester. 3 credits.
112. ROMAN CIVILIZATION. Second semester. 3 credits.
125. AMERICAN FRONTIER. First semester. 3 credits.
1943-44 and alternate years.
- 151-152. ENGLISH HISTORY. 3 credits each semester.
1943-44 and alternate years.
217. EARLY MEDIEVAL CIVILIZATION. First semester. 3 credits.
218. LATER MEDIEVAL CIVILIZATION. Second semester. 3 credits.
221. AMERICAN COLONIAL HISTORY. First semester. 3 credits.
1942-43 and alternate years.

222. FOUNDATIONS OF AMERICAN NATIONALITY. Second semester. 3 credits. 1942-43 and alternate years.
223. UNITED STATES IN THE LATER NINETEENTH CENTURY (1865-1900). First semester. 3 credits. 1943-44 and alternate years.
224. RECENT UNITED STATES. Second semester. 3 credits. 1943-44 and alternate years.
241. FRENCH REVOLUTION. First semester. 3 credits.
242. HISTORIOGRAPHY AND HISTORICAL METHODOLOGY. Second semester. 3 credits.
245. EUROPE. 1870-1914. First semester. 3 credits. 1942-43 and alternate years.
246. RECENT EUROPE. Second semester. 3 credits.
412. INDIVIDUAL READING AND RESEARCH.
Open only to those who have completed an undergraduate major, or at least 24 hours, in history, and have received special permission from the chairman of the department. Not more than 3 credits will be given in any one semester.

HOME ECONOMICS

PROFESSOR WILSON, ASSISTANT PROFESSORS LATHROP AND LAPP
MRS. CRANDALL, MRS. FRANKLIN, MISS MARY WILSON

Home Economics is a program of studies based on sound fundamental training in the physical, biological, and social sciences.

For subjects that home economics majors must take in the General College, see General College section.

Three majors in home economics are offered:

Foods and Nutrition Major, planned for those students whose professional interest may point to such commercial work as that of food analyst, nutritionist, dietitian, camp director, or demonstrator, or whose interest may be in the many individual feeding idiosyncrasies. The field is rich for both men and women.

Clothing or Textile Major, for students who wish to prepare themselves to follow some line of clothing work in the commercial field. Students may begin work on this major in the freshman year.

General Home Economics Major, a non-professional major planned for students who wish a broad cultural background with the emphasis on effective home living.

Following are the home economics subjects required in the Upper College for the respective majors:

FOODS AND NUTRITION

First Semester		Third Year		Second Semester		Cr. Hrs.	
	Cr. Hrs.						
Advanced Foods 115	3	Advanced Foods 116 or					
Nutrition in Health 119	3	Quantity Cookery 216	3				
		Nutrition in Disease 120	3				
		Fourth Year					
Child Development 125	3	Institutional Management 212....	3				
Home Economics Education 151	3						

TEXTILES AND CLOTHING

Third Year

	Cr. Hrs.		Cr. Hrs.
Advanced Clothing 105	3	Advanced Clothing 106	3
		Home Management 122	3

Fourth Year

Advanced Textiles 107	3	Advanced Textiles 108	3
Child Development 125	3	Selection of House Furnishings	
Historic Costume 117	3	118	3

GENERAL COURSE

Third Year

	Cr. Hrs.		Cr. Hrs.
Nutrition in Health 119	3	Nutrition in Disease 120	3
Advanced Foods 115	3	Home Management 122	3

Fourth Year

Child Development 125	3	Selection of House Furnishings	
Household Equipment 215	3	118	3
Advanced Clothing 105	3	Advanced Clothing 106	3

GENERAL COLLEGE

21. TEXTILES. First semester. 3 credits.
22. CLOTHING SELECTION AND CONSTRUCTION. Second semester. 3 credits.
41. ELEMENTARY FOODS AND NUTRITION. 3 credits.
This is a basic course in foods for those persons who want a fundamental understanding of the preparation of foods for family use. Fee, \$6.
42. ELEMENTARY FOODS AND NUTRITION. 3 credits.
This course covers the essentials of an adequate diet with emphasis on the selection of the right food in sufficient amounts to meet the requirements of the group which is being served. Fee, \$2.
- 45-46. GENERAL FOODS. 3 credits each semester.
Laboratory fee, \$6 each semester. Credit not given for less than the full year's work.
53. HOME ECONOMICS ORIENTATION. First semester. 2 credits.

UPPER COLLEGE

- 105-106. ADVANCED CLOTHING. 3 credits each semester.
- 107-108. ADVANCED TEXTILES. 3 credits each semester.
Fee, \$2 each semester.
118. SELECTION OF HOUSE FURNISHINGS. Second semester. 3 credits.
- 115-116. ADVANCED FOODS. 3 credits each semester.
Prerequisite, 45-46. Fee, \$7.50 each semester.
117. HISTORIC COSTUME. First semester. 3 credits.
119. NUTRITION IN HEALTH. First semester. 3 credits. Fee, \$2.
120. NUTRITION IN DISEASE. Second semester. 3 credits. Fee, \$2.
Credit not given for less than a year's work in Nutrition.
121. FIELD WORK IN HOME ECONOMICS. 3 credits.
Open to seniors.
122. HOME MANAGEMENT. Second semester. 3 credits. Fee, \$1.
125. CHILD DEVELOPMENT. First semester. 3 credits. Fee, \$2.
151. HOME ECONOMICS EDUCATION. 3 credits. First semester.

212. INSTITUTIONAL MANAGEMENT. Second semester. 3 credits.

A discussion course in the standards for good food service and the factors to be considered in food service: food purchasing, time, labor, materials, cost, equipment, and goodwill.

215. HOUSEHOLD EQUIPMENT. First semester. 3 credits.

A lecture and laboratory course in the study, selection, care, and use of hand, gas, kerosene, and electric household equipment. Fee, \$2.

216. QUANTITY COOKERY. Second semester. 3 credits.

A laboratory course in the preparation of all types of food, the care of equipment and utensils, the layout of different types of food preparation and service centers. Fee, \$5.

POLITICAL SCIENCE

PROFESSOR SHERMAN, ASSISTANT PROFESSOR KING, MR. DUNCAN

Students emphasizing political science in their field of concentration are expected to have at least 24 hours in the field of political science. Students preparing to teach will find that the State Department of Education considers political science and history as one subject major or minor.

Prerequisites: At least three hours of political science in the General College are required. These three hours may be selected from four courses, any one of which will satisfy the requirement: American National Government 41, American State and Local Government 42, Comparative Government 43, and American Diplomacy 44.

GENERAL COLLEGE

41. AMERICAN NATIONAL GOVERNMENT. Either semester. 3 credits.

42. AMERICAN STATE AND LOCAL GOVERNMENT. Second semester. 3 credits.

43. COMPARATIVE GOVERNMENT. Second semester. 3 credits.

44. AMERICAN DIPLOMACY. First semester. 3 credits.

UPPER COLLEGE

Courses Offered Each Year

103. POLITICAL PARTIES. First semester. 3 credits.

109. GOVERNMENT AND SOCIAL WELFARE. First semester. 3 credits.

110. GOVERNMENT AND BUSINESS. First semester. 3 credits.

115-116. POLITICAL THEORY. 2 credits each semester.

205. CONSTITUTIONAL LAW. First semester. 3 credits.

211. INTERNATIONAL RELATIONS. Second semester. 3 credits.

217-218. FIELD WORK IN PUBLIC ADMINISTRATION. 3 credits each semester.

Open only to senior majors with 6 hours of public administration. This course is for the student who wants a career in public service.

298. SEMINAR IN POLITICAL SCIENCE. Second semester. 2 credits.
Required for senior majors. Seniors taking 217-218 may be excused from seminar.

Courses Offered 1943-44 and Alternate Years

108. PARLIAMENTARY LAW AND LEGISLATIVE PROCEDURE.
Second semester. 3 credits.

207. MUNICIPAL FINANCE. Second semester. 2 credits.

213-214. PUBLIC ADMINISTRATION. 3 credits each semester.

220. ADMINISTRATIVE LAW. Second semester. 3 credits.

Courses Offered 1944-45 and Alternate Years

101. MUNICIPAL GOVERNMENT. First semester. 3 credits.

102. MUNICIPAL ADMINISTRATION. Second semester. 3 credits.

206. MUNICIPAL CORPORATIONS. Second semester. 3 credits.

212. INTERNATIONAL LAW. Second semester. 3 credits.

SECRETARIAL SCIENCE

PROFESSOR DOUTT, ASSOCIATE PROFESSOR FLINT, ASSISTANT PROFESSOR TENNEY,
MRS. SELF, MISS SHAW, MRS. HANDWERK, MISS MASON,
MISS ANNA MAE FLINT, MISS WRIGHT

Students interested in preparing themselves for the higher grade secretarial and office positions may choose between two programs offered in Secretarial Science: a two-year certificate course, listed in the General College, and a degree course which is essentially a combination of the technical work required in business and the broad cultural education needed for effective living. By proper planning, it is possible to complete the 4-year curriculum in three years, including summer sessions. Considerable latitude is allowed for the planning of each individual's program to meet his particular needs.

Admission: Admission to the department is open to all who have satisfactorily met the requirements of the General College and who have completed one year of shorthand and typewriting (41-42 and 51-52 or equivalent). However, it is advisable to elect the other General College courses listed below.

Combination Courses: Two special five-year programs are available, each leading to two degrees: (1) Secretarial Science—Liberal Arts, and (2) Secretarial Science—Education. Those interested should confer with the head of the department.

Requirements for Graduation: In addition to the regular requirements of the University for graduation, students must pass a general final examination (field of specialization only) in the senior year. At least 60 semester hours must be in academic subjects. Graduates receive the degree of B.S. in Secretarial Science.

Shorthand and Typewriting: Those who have had shorthand and typewriting before entrance will begin these courses in college at such point as their degree of proficiency permits as indicated by placement tests. Approved electives, preferably academic subjects, will be taken in place of the work omitted. Full credit will not be granted where undue repetition exists.

A program for students specializing in this field must include:

First Year			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Secretarial Procedure 21	3	Filing and Machine Calculation 26	3
Second Year			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
*Shorthand Theory 41	3	Shorthand Theory 42	3
*Typewriting 51	2	Typewriting 52	2
Accounting 41 or 21	3	Accounting 42 or 22	3

* Those planning to complete the four-year program in three years by attending summer sessions should begin Shorthand and Typewriting (41 and 51) in the first year.

First Semester		Third Year		Second Semester		Cr. Hrs.	
Intermediate Dictation 163	4	Intermediate Dictation 164	4	Intermediate Dictation 164	4	Intermediate Dictation 164	4
Economics 41	3	Economics 42, 44 or 48	3	Economics 42, 44 or 48	3	Economics 42, 44 or 48	3
Business Law 51	3	Business Administration 61	3	Business Administration 61	3	Business Administration 61	3
Secretarial Training 74	2	Business Correspondence 133	3	Business Correspondence 133	3	Business Correspondence 133	3

First Semester		Fourth Year		Second Semester		Cr. Hrs.	
Advanced Dictation 165	4	Advanced Dictation 166	4	Advanced Dictation 166	4	Advanced Dictation 166	4
Office Practice 293	3	Office Organization and Management 296	3	Office Organization and Management 296	3	Office Organization and Management 296	3

ONE YEAR SECRETARIAL CERTIFICATE PROGRAM FOR COLLEGE GRADUATES

For young men and women who already hold baccalaureate degrees, especially the A.B., the following program has been designed to supply the technical training and background needed for secretarial and office positions. A broad education is more important in many positions than is maximum skill.

Summer Session

	Cr. Hrs.
Shorthand 41-42	6
Typewriting 51-52	4

First Semester		Second Semester		Cr. Hrs.	
Advanced Shorthand and Transcription 63	4	Advanced Shorthand and Transcription 64	4	Advanced Shorthand and Transcription 64	4
Secretarial Procedure 21	3	Filing and Machine Calculation 26	3	Filing and Machine Calculation 26	3
Business Administration 61	3	Office Organization and Management 296	3	Office Organization and Management 296	3
Accounting 41 (or 21)	3	Accounting 42 (or 22)	3	Accounting 42 (or 22)	3
Business Correspondence 133	3	Secretarial Training 74	2	Secretarial Training 74	2

GENERAL COLLEGE

- 21. SECRETARIAL PROCEDURE. Either semester. 3 credits.
- 23. SECRETARIAL PROCEDURE. Either semester. 2 credits.
Given in the evening only.
- 25. MACHINE AND SLIDE RULE CALCULATION. Either semester. 1 credit.
Techniques of machine and slide rule calculation as applied to business. Credit is not allowed for this course and also for Filing and Machine Calculation 26.
- 26. FILING AND MACHINE CALCULATION. Either semester. 3 credits.
- 31. TYPEWRITING (PERSONAL). Either semester. 2 credits. Fee, \$1.
- 35. BUSINESS ENGLISH. Either semester. 2 credits.
- 41-42. SHORTHAND THEORY. 3 credits each semester.
Open only to credit students.
- 46. SHORTHAND REVIEW. Second semester. 3 credits.
A thorough review of Gregg Shorthand Theory, covering one year's work. Credit not allowed for this course and also for 41-42.
- 51-52. TYPEWRITING. 2 credits each semester.
- 56. TYPEWRITING REVIEW. Second semester. 2 credits.
Credit not allowed for this course and also for 51-52. Fee, \$1.

- 63-64. **ADVANCED SHORTHAND AND TRANSCRIPTION.** 4 credits each semester. Prerequisite, 42 and 52 or equivalent. Fee, \$1 each semester.
74. **SECRETARIAL TRAINING.** Either semester. 2 credits. Must accompany 64. Fee, \$1.50. Prerequisite, 42 and 52.
- 83-84. **INTERMEDIATE DICTATION.** Evening session. 3 credits each semester. Prerequisite, 42 and 52; also 35 and 93, or English 2. Fee, \$1 each semester.
85. **INTERMEDIATE DICTATION.** Evening session. First semester. 3 credits. Prerequisite, Intermediate Dictation 84. Fee, \$1 each semester.
93. **BUSINESS LETTERS.** Either semester. 2 credits.

UPPER COLLEGE

133. **BUSINESS CORRESPONDENCE.** Either semester. 3 credits. Prerequisite, English 2.
- 163-164. **INTERMEDIATE DICTATION.** 4 credits each semester. Prerequisite, 42 and 52, or equivalent. Fee, \$1 each semester.
- 165-166. **ADVANCED DICTATION.** 4 credits each semester. Prerequisite, 64 or 164, or equivalent. Fee, \$1 each semester.
186. **ADVANCED DICTATION.** Evening session. Second semester. 3 credits. Prerequisite, 85, or equivalent. Fee, \$1.
- 187-188. **ADVANCED DICTATION.** Evening session. 3 credits each semester. Prerequisite, 86, or equivalent. Fee, \$1 each semester.
293. **OFFICE PRACTICE.** First semester. 3 credits. Prerequisite, 26 and 164. Fee, \$2.50.
296. **OFFICE ORGANIZATION AND MANAGEMENT.** Second semester. 3 credits. Prerequisite, Commerce 61.

SOCIOLOGY

PROFESSOR DEGRAFF, MR. KRUSE, MISS NOLAN

For General College courses suggested but not required, see General College section.

Students emphasizing Sociology in their field of concentration are expected to take 24 hours in the field of Sociology. The courses in this requirement are selected with special reference to the needs of the individual student. In special cases, either more or less than the 24 hours may be required.

Students emphasizing social welfare work as their field of concentration are required to take Field Work 111-112; Technique of Social Case Work 251-252; Theory of Social Work 221; Government and Social Welfare 109; Sanitation 71-72; Community Organization 206; Child Welfare 117; Welfare Aspects of Social Security 209; Specific courses in economics, home economics, and biology are also recommended.

Students may do their supervised field work with the Summit County Children's Home, the Family Service Society, the Juvenile Court, the City Hospital, Department of Public Charities, Y. M. C. A., Y. W. C. A., the Boy Scouts, the Girl Scouts, Community Chest, Federal Housing, Jewish Center, or Catholic Service League.

A course in statistics is required for all students.

The following courses count toward the 24-hour requirement. The courses all have Sociology 41 and 42 (offered in the General College) as a prerequisite. However, with permission of the head of the department, the prerequisite may be taken collaterally with these courses.

Courses 251-252, 221, 206, 209, and 117 are planned to meet the needs of both University students and field workers in social agencies and institutions.

GENERAL COLLEGE

21. SOCIOLOGY FOR NURSES. 3 credits.

This course is planned especially for nurses in training at the local hospitals.

41. INTRODUCTION TO SOCIOLOGY. First semester. 3 credits.

42. SOCIAL ATTITUDES. Second semester. 3 credits.

Prerequisite, 41.

43. MODERN SOCIAL PROBLEMS. 3 credits.

45. SOCIAL ANTHROPOLOGY. First semester. 3 credits.

UPPER COLLEGE

Courses Offered Each Year

109-110. SEMINAR AND THESIS. 2 credits each semester.

For seniors only. Required.

111-112. FIELD WORK. 3 credits for 150 hours of work.

For seniors only.

206. COMMUNITY ORGANIZATION. First semester. 3 credits.

251-252. TECHNIQUE OF SOCIAL CASE WORK. 2 credits each semester.

Courses Offered 1943-44 and Alternate Years

104. LEADERSHIP. Second semester. 2 credits.

113. URBAN-RURAL SOCIOLOGY. First semester. 2 credits.

204. THE FAMILY. Second semester. 3 credits.

210. POPULATION MOVEMENTS. Second semester. 3 credits.

213. THE JUVENILE DELINQUENT. First semester. 3 credits.

217. RACE RELATIONS. Second semester. 3 credits.

Courses Offered 1944-45 and Alternate Years

114. CRIMINOLOGY. Second semester. 3 credits.

117. CHILD WELFARE. First semester. 3 credits.

205. THE SOCIOLOGY OF LEISURE TIME. First semester. 3 credits.

207. SOCIAL THEORY. First semester. 2 credits.

208. SOCIAL ORIGINS. Second semester. 2 credits.

209. WELFARE ASPECTS OF SOCIAL SECURITY. Second semester.
3 credits.

221. THEORY OF SOCIAL WORK. First semester. 3 credits.

THE NATURAL SCIENCE DIVISION

OBJECTIVES OF THE NATURAL SCIENCE DIVISION

1. To acquaint the student with the various fields of science as an aspect of world culture.
2. To prepare the student for further training in the graduate, professional, and technical schools.
3. To provide that still larger group who either do not desire or are unable to continue their academic training, with such knowledge, techniques, and skills as will enable them to become competent citizens.
4. To make technical service and information available to the city and its industries through the libraries and laboratories of the division.

In order to accomplish these objectives, the division offers courses designed to prepare students for the following fields:

Graduate study in biology, chemistry, mathematics, physics.

The study of medicine.

The teaching of science in high school.

Technical laboratory work in rubber chemistry.

Technical laboratory work in applied physics.

Position as hospital technician.

Expert technical service.

DEGREES

B.S. (At the discretion of the divisional chairman, students majoring in mathematics may be granted the B.A. degree if much of their work is in the humanities or social sciences.)

BIOLOGY

PROFESSOR KRAATZ, ASSOCIATE PROFESSORS FOX AND ACQUARONE,
ASSISTANT PROFESSOR JONES, MISS HEPPEL, MRS. ROBINSON

Biology major students must secure 36 credits in the department; for some graduate schools more is essential.

Students who expect to enter a medical school must take the Pre-Medical course.

Major students must include Zoology 61-62 and Botany 51-52, in the General College. Either can be taken in the freshman year, and the other in the sophomore year, or both in the sophomore year. If one of these is deferred until the junior year, it will be impossible to work in a sequence of advanced courses in that science in the remaining year.

Upper College Courses may be: (1) General Biological, which may include any combination of Upper College biology courses, but including Biology Seminar; (2) Zoological, which must include Biology Seminar, General Genetics, Human Physiology, (or General Physiology) and at least two of the following: Invertebrate Zoology, Entomology, Vertebrate Anatomy, Vertebrate Embryology, and Organic Evolution; (3) Botanical, which must include Biology Seminar, Field Botany, Plant Physiology, and General Genetics or Plant Anatomy, or at least one semester of Bacteriology.

Biological Problems is open to seniors, and in exceptional cases to juniors, who desire to work on some definite problem, a type of minor research.

Geology and Conservation of Natural Resources do not count in the Biology Major. They are free electives.

Required work in other departments: Chemistry 21-22 and in some cases a second year, preferably either Organic Chemistry 44 and 107 or Organic Chemistry 55 and Physiological Chemistry 56, but for other biology majors, interested more in social sciences or in meeting teaching requirements, only Chemistry 21-22; German 43-44 or French 43-44; and Psychology 41. Recommended are: Physics 51-52, Mathematics 21-22, and Sociology 41.

General Final Examination: All Biology Major and Pre-Medical Course students must take a general final examination covering in a comprehensive way all work taken in the department.

PRE-MEDICAL MAJOR COURSE

First Year			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 1	3	English 2	3
Hygiene, Physical and Mental 17	3	Hygiene, Physical and Mental 18	3
Int. to Social Science 5	3	Int. to Social Science 6	3
Mathematics 21	3	Mathematics 22	3
Inorganic Chemistry 21	4	Inorganic Chemistry 22	4
Military Training 11	1½	Military Training 12	1½
Second Year			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
General Zoology 61	4	General Zoology 62	4
Qualitative Analysis 43	5	Organic Chemistry (El.) 44	4
Int. to Humanities 7	3	Int. to Humanities 8	3
German 21	4	German 22	4
Military Training 43	1½	Military Training 44	1½
Third Year			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Bacteriology 107	4	Bacteriology 108	4
Organic Chemistry (Int.) 107	4	Physics 52	4
Physics 51	4	German 44	3
German 43	3	Psychology 41	3
		Elective	1
Fourth Year			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Vertebrate Anatomy 155	4	Vertebrate Embryology 256	4
General Physiology 235	3	General Physiology 236	3
Physics (Light) 53	4	Human Genetics 148	2
Quantitative Analysis 105	4	Quantitative Analysis 106	4

Biological courses listed in third and fourth years may have to be reversed in the schedule because Biology 155, 256, 235, 236, and 142 are given in alternate years.

PRE-TECHNICIANS' COURSE

The Registry of Medical Technologists requires a year of hospital laboratory training preceded by a minimum of two years of college. The two-year schedule comprises: (1) Absolute requirements: biology, 8 semester credits; bacteriology, 3 semester credits; inorganic chemistry, 8 credits; organic chemistry, 4 credits; (2) "Highly recommended" courses: physics, 8 credits; quantitative analysis, 3 credits. After January 1, 1943, quantitative analysis will be required in place of organic chemistry, which goes into the recommended group.

A three-year curriculum is arranged which includes: (1) the University required general college introductory courses; (2) the above minimum requirements (except at present, the quantitative analysis), and (3) such other courses as are found in other pre-technician curricula and are deemed helpful by hospital technicians.

The student can complete four years with the B. S. degree by fulfilling the additional requirements of the biology major.

University courses included in the three-year curriculum are: English 1 and 2, 6 credits; Hygiene 15 and 16, 6 credits; Social Science 5 and 6, 6 credits; Humanities 7 and 8, 6 credits; Algebra 21, 4 credits; Chemistry 21 and 22, 8 credits; Chemistry 43, 5 credits; Chemistry 55 and 56, 8 credits; Physics 51 and 52, 8 credits; Zoology 61 and 62, 8 credits; Bacteriology 107 and 108, 8 credits; Histological Technique 154, 3 credits; Physiology 135 and 136 or 235 and 236, 6 credits.

GENERAL COLLEGE

No credit is given toward graduation for less than a full year's work in 41-42, 51-52, and 61-62.

31. ANATOMY AND PHYSIOLOGY. 5 credits.

This course is planned for nurses in training at the local hospitals.

33. MICROBIOLOGY. 3½ credits.

This course is planned for nurses in training at the local hospitals.

35. NATURE STUDY. 3 credits.

Common plants and animals of this part of the country, their life, habits, and interrelations. Adapted to use of teachers of nature study. Some field trips will be made. No prerequisites.

41-42. GENERAL GEOLOGY. 4 credits each semester. 1943-44 and alternate years. Lab. fee, \$2.50 each semester.

51-52. GENERAL BOTANY. 4 credits each semester.

Required of biology majors. Lab. fee, \$4 each semester.

61-62. GENERAL ZOOLOGY. 4 credits each semester.

Required of biology majors and pre-medical majors. Lab. fee, \$4 each semester.

71-72. SANITATION. 3 credits each semester. Three lectures a week.

82. CONSERVATION OF NATURAL RESOURCES. Second semester.

3 credits.

Three lectures with class discussion a week. 1942-43 and alternate years.

UPPER COLLEGE

107-108. BACTERIOLOGY. 4 credits each semester.

Prerequisite 51-52 or 61-62, or with the consent of the instructor without 51-52 or 61-62 in the case of advanced home economics and chemistry majors, nurses, etc. Some knowledge of chemistry is essential. Required of pre-medical majors. Lab. fee, \$7.50 each semester; breakage fee, \$5 each semester.

113-114. FIELD BOTANY. 3 credits each semester.

May follow 51-52 or with consent of instructor without

51-52. 1942-43 and alternate years. Lab. fee, \$4 each semester.

215-216. PLANT PHYSIOLOGY. 4 credits each semester.

Prerequisite, 51-52, and knowledge of general chemistry. 1943-44 and alternate years. Lab. fee, \$6 each semester.

217. PLANT ANATOMY. First semester. 4 credits.

Prerequisite, 51-52. 1942-43 and alternate years. Lab. fee, \$4.

135-136. HUMAN PHYSIOLOGY. 3 credits each semester.

This course meets the requirement for physiology in the home economics course, and is open also to biology majors. Two class periods and one laboratory period per week. 1943-44 and alternate years. Lab. fee, \$4 each semester.

235-236. GENERAL PHYSIOLOGY. 3 credits each semester.

Prerequisites, Zoology 61-62, General and Organic Chemistry. Two class periods and one 3-hour laboratory per week. Required of pre-medical students. 1942-43 and alternate years. Lab. fee, \$4 each semester.

141. INVERTEBRATE ZOOLOGY. First semester. 4 credits.

Prerequisite 61-62. Two lectures and 6 hours of laboratory work a week. A more advanced study than in 61-62. 1943-44 and alternate years. Lab. fee, \$4.

144. GENERAL ENTOMOLOGY. Second semester. 4 credits.
Prerequisite, 61-62. 1944-45 and alternate years. Lab. fee, \$4.
146. GENERAL GENETICS. First or second semester. 3 credits.
Prerequisite, 51-52 or 61-62. May be taken with consent of the instructor without 51-52 or 61-62 by advanced students. 1943-44 and alternate years. Fee, \$1.
148. HUMAN GENETICS. First or second semester. 2 credits.
Prerequisite, 61-62. May be taken with the consent of the instructor without 61-62, by advanced Sociology majors. Required of pre-medics. 1942-43 and alternate years. Fee, \$1.
151. ORGANIC EVOLUTION. First semester. 3 credits.
Prerequisite, 61-62 or 51-52, preferably 61-62, as the course is primarily animal evolution. 1944-45 and alternate years.
154. HISTOLOGICAL TECHNIQUE. Second semester. 3 credits.
Required in pre-technicians' course. One lecture and 6 hours of laboratory work a week. Prerequisite, 61-62. 1943-44 and alternate years. Lab. fee, \$6.
155. VERTEBRATE ANATOMY. First semester. 4 credits.
Required of pre-medical majors. Prerequisite, 61-62. 1943-44 and alternate years. Lab. fee, \$10.
256. EMBRYOLOGY OF VERTEBRATES. Second semester. 4 credits.
Required of pre-medical students. Prerequisite, 155. 1943-44 and alternate years. Lab. fee, \$7.50.
265. BIOLOGY SEMINAR. First semester. 3 credits.
Required of all biology major seniors; not required of pre-medical students.
- 267-268. BIOLOGICAL PROBLEMS. 1 to 3 credits each semester. Two continuous semesters are advisable. Open to seniors and in exceptional cases to juniors. Lab. fee, \$2 per credit.
- 367-368. RESEARCH. 3 credits each semester.
Open to qualified graduate students. Lab. fee, \$2 per credit.

CHEMISTRY

PROFESSORS SCHMIDT, COOK AND WHITBY, ASSISTANT PROFESSORS ANDERSON, DREISBACH AND FLOUTZ, MR. WOLFE, MRS. ROBINSON

In order that a student be properly qualified for admission to the prescribed work (listed below) in the Upper College, he must have completed in the General College the required courses in general education and in addition the following or their equivalent: Algebra and Trigonometry, 6 hours; Analytics and Calculus, 9 hours; Chemistry 21-22, 8 hours; Chemistry 43, 5 hours; Chemistry 44, 4 hours.

Fees: In addition to laboratory fees, a deposit of \$5 for breakage is required in each course.

GENERAL COLLEGE

- 21-22. GENERAL INORGANIC CHEMISTRY. 4 credits each semester.
No credit is given toward graduation for less than the full year's work. Lab. fee, \$10 a semester.
- 23-24. INORGANIC CHEMISTRY. 3 credits each semester. Lab. fee, \$5 a semester. 1942-43 and alternate years.

25. CHEMISTRY FOR NURSES. 4 credits.
Planned especially for those taking a nurses training course in the local hospitals.
43. QUALITATIVE ANALYSIS. First semester. 5 credits.
Prerequisite, 22. Lab. fee, \$10.
44. ELEMENTARY ORGANIC CHEMISTRY. Second semester. 4 credits.
Prerequisite, 22. Lab. fee, \$10.
- Courses 23-24, 55, and 56 are for students not majoring in chemistry, and especially for students specializing in foods and nutrition.
55. ORGANIC CHEMISTRY. First semester. 4 credits.
Prerequisite, 24. Lab. fee, \$10. 1943-44 and alternate years.
56. PHYSIOLOGICAL CHEMISTRY. Second semester. 4 credits.
Prerequisite, 55 or its equivalent. Lab. fee, \$10. 1943-44 and alternate years.

UPPER COLLEGE

Third Year		Cr. Hrs.	Fourth Year		Cr. Hrs.
Introductory Physics 51-52	.....	8	Advanced Physics 53 and elec-		
Intermediate Organic 107	.....	4	tive	.....	8
Advanced Organic 108	.....	4	Physical Chemistry 213-214	.....	10
Quantitative Analysis 105-106	.....	8	Special Topics 309	.....	3
Chemical Calculations 118	.....	2	German 43-44	.....	6
German 21-22	.....	8			

- 105-106. QUANTITATIVE ANALYSIS. 4 credits each semester.
Prerequisite, 43-44. Lab. fee, \$10 each semester.
107. INTERMEDIATE ORGANIC CHEMISTRY. First semester. 4 credits.
Prerequisite, 44. Lab. fee, \$10.
108. ADVANCED ORGANIC CHEMISTRY. Second semester. 4 credits.
Prerequisite, 107. Lab. fee, \$10.
118. CHEMICAL CALCULATIONS. Second semester. 2 credits.
Prerequisite, 43-44, 105.
- 131-132. ENGINEERING CHEMISTRY. See College of Engineering.
- 133-134. METALLURGY. See College of Engineering.
- 137-138. METALLURGY. See College of Engineering.
- 213-214. PHYSICAL CHEMISTRY. 5 credits each semester.
Prerequisite, 106, 107, 118, Physics 51-52, and Math. 46.
Lab. fee, \$8 each semester.
- 227-228. INTRODUCTION TO RUBBER CHEMISTRY. 2 credits each semester.
Prerequisites, 106, 107. Evening session, 1942-43 and alternate years.
229. POLYMERS AND POLYMERIZATION. 2 credits.
Prerequisites, 106, 108 and permission.
250. INDUSTRIAL CHEMISTRY. Second semester. 2 credits.
- 307-308. ORGANIC ANALYSIS, QUALITATIVE OR QUANTITATIVE.
2 credits each semester.
Prerequisite, 106 and 108. Lab. fee, \$8 each semester.
309. SPECIAL TOPICS IN ORGANIC CHEMISTRY. First semester.
3 credits. Prerequisite, 108.

- 313-314. CHEMICAL THERMODYNAMICS. 2 credits each semester.
Prerequisite, 214 and Calculus.
- 321-322. ADVANCED INORGANIC PREPARATIONS. 2 credits each semester.
Prerequisite, 106, 107, 214. Lab. fee, \$8 each semester.
325. COLLOID CHEMISTRY. Second semester. 2 credits.
Prerequisite, 106 and 107.
326. CHEMISTRY OF LATEX TECHNOLOGY. 2 credits.
1943-44 and alternate years.
- 327-328. CHEMISTRY OF RUBBER TECHNOLOGY. 4 credits each semester.
Prerequisites, 106, 107. Lab. fee, \$15 each semester.
- 365-366. RESEARCH. 1-3 credits each semester.
The fee is \$5 per credit. Open to properly qualified students.

Courses 313-314, 321-322, and 325 are offered only when the demand warrants.

MATHEMATICS

PROFESSOR JONES, ASSOCIATE PROFESSORS BENDER, SELBY AND LIPSCOMBE,
ASSISTANT PROFESSOR TABLER, MR. ROGOFF

All students whose work of concentration lies in the Division of Natural Science, except those in the Biological Sciences, must have taken in the General College Mathematics 21, 22, 43, 45-46. Pre-medical students, however, must take 21, 22, and students taking the Pre-technicians' course must take 21.

Students preparing to teach Mathematics, or who expect to take some engineering courses, must take Physics.

Students majoring in mathematics must take 203, 204, and at least two other courses not including 213, 214.

GENERAL COLLEGE

19. ALGEBRA. Either semester. 2 credits.
Open only to students who have had one year or less of high school algebra, or to persons who have been out of school for some time. May not be substituted for Algebra 21.
21. COLLEGE ALGEBRA. Either semester. 3 credits.
22. TRIGONOMETRY. Either semester. 3 credits.
23. SPHERICAL TRIGONOMETRY. Either semester. 1 credit. Evening session.
31. MATHEMATICS OF NAVIGATION AND AVIATION. Second semester. 2 credits. Evening session.
Courses 23 and 31 are practical courses intended to aid students whose purpose is to take up aviation or navigation. Sufficient theory is given to enable the student to understand the processes involved.
43. ANALYTIC GEOMETRY. Either semester. 3 credits.
Prerequisite, 21, 22.
45. DIFFERENTIAL CALCULUS. Either semester. 3 credits.
Prerequisite, 21, 22. Course 43 must be taken either before or with 45.
46. INTEGRAL CALCULUS. Either semester. 3 credits.
Prerequisite, 45.

58. BUSINESS MATHEMATICS. Second semester. 3 credits.
Prerequisite, 21.

UPPER COLLEGE

104. HISTORY OF MATHEMATICS. 3 credits. Prerequisite, 21-22.
121. MATHEMATICS OF INSURANCE. 3 credits. Prerequisite, 58.
- 125-126. ASTRONOMY. 2 credits each semester. Prerequisite, 21-22.
- 201-202. ADVANCED CALCULUS. 2 credits each semester.
Prerequisite, 46. 1943-44 and alternate years.
- 203-204. DIFFERENTIAL EQUATIONS. 2 credits each semester.
Prerequisite, 46. 1944-45 and alternate years.
205. THEORY OF EQUATIONS. First semester. 3 credits.
Prerequisite, 46. 1943-44 and alternate years.
206. HIGHER GEOMETRY. Second semester. 3 credits.
Prerequisite, 46. 1942-43 and alternate years.
207. HIGHER ALGEBRA. First semester. 3 credits.
Prerequisite, 46. 1942-43 and alternate years.
- 213-214. ADVANCED ENGINEERING MATHEMATICS. 1 credit each semester.
Prerequisite, 46. For engineers.

Courses 104, 121, 125, 126, 201 and 202 are offered only when the demand warrants.

PHYSICS

PROFESSOR HOUSEHOLDER, ASSOCIATE PROFESSORS FOUTS AND GRAY,
MR. KECK, MR. LANCASTER

Students who desire to elect physics as their field of concentration should elect at least eight hours of mathematics and eight hours of physics in the General College. In addition to this it will be necessary to have another year of each unless they have removed part of the requirement in chemistry or in German. Students who plan to continue their academic training in the graduate school should elect mathematics through the calculus and German in the General College. Students who are more interested in the applications of physics would find courses 21, 22, 43 and 44 more suited to their needs. They should also elect two years of mathematics in the General College. Such students may substitute engineering courses for the German. A total of 30 hours of physics together with Chemistry 21, 22, and the calculus, are required. No student may be admitted unconditionally into the Upper Division, who has not satisfied all of the requirements of the General College.

GENERAL COLLEGE

- 21-22. MECHANICS. 4 credits each semester.

Required of all students who plan to enter the College of Engineering or major in applied physics. Students in this course must have completed the freshman mathematics courses or be taking them. Two recitations and two laboratory periods a week. Lab. fee, \$4 each semester.

43-44. HEAT, MAGNETISM, ELECTRICITY AND SOUND.

4 credits each semester.

A continuation of 21-22. Required of all students who plan to enter Engineering College or major in Applied Physics. Prerequisite, Algebra, Trigonometry, and Physics 21-22. The student must also be taking, or have completed, sophomore mathematics. Three recitations and one laboratory period a week. Lab. fee, \$2 each semester.

51-52. GENERAL PHYSICS. 4 credits each semester.

Three lectures and one laboratory period a week. Lab. fee, \$2 each semester.

53. OPTICS. First semester. 4 credits.

Three lectures, one laboratory period a week. Lab. fee, \$2.

UPPER COLLEGE**203-304. ADVANCED ELECTRICITY AND MAGNETISM. 4 credits each semester.**

Prerequisite, Physics 44 (or 52) and Calculus. Lab. fee, 203, \$2; 304, \$4.

204. INTRODUCTION TO ATOMIC PHYSICS. 3 credits.

Prerequisite, Physics 203 or 53 and Calculus. Three lectures per week.

209-210. PHYSICS MEASUREMENTS. 2 credits each semester.

Senior laboratory problems. Lab. fee, \$4 each semester.

221-222. COLLOQUIUM. 1 credit each semester.**302. THEORETICAL MECHANICS. First semester. 3 credits.**

Prerequisite, Physics 52 or 44 and Calculus.

306. PHYSICAL OPTICS. Second semester. 4 credits.

Prerequisite, Physics 203, and Calculus. Lab. fee, \$2.

307. ELECTROMAGNETIC THEORY. 3 credits.

Prerequisite, Physics 204 and Calculus.

308. NUCLEAR PHYSICS. 3 credits.

Prerequisite, Physics 307 and Calculus.

309-310. ADVANCED PHYSICAL MEASUREMENTS. 2 credits each semester.

Advanced laboratory problems. Lab. fee, \$4 each semester.

311-312. THERMODYNAMICS. 3 credits each semester.**314. X-RAYS. 4 credits.**

Prerequisites, Physics 53 and 203, and Calculus. Three lectures and one laboratory period a week. Lab. fee, \$2.

(Courses on the 300 level are offered in alternate years.)

THE COLLEGE OF ENGINEERING

FRED E. AYER, C.E., *Dean*

GENERAL INFORMATION

The Directors of the University of Akron established the College of Engineering in 1914, and adopted the five-year co-operative course patterned after the "Cincinnati Plan."

THE CO-OPERATIVE PLAN

The essential features of co-operative education in any field are:

First, the underlying science is acquired in an educational institution under trained teachers.

Second, practical experience is acquired by working under commercial, competitive conditions.

Third, the acquisition of theory and practice proceeds concurrently. This means that the student must do his outside work while he is in college and not before he comes or after he leaves.

It follows from the foregoing that there are many types of truly co-operative plans in operation. They vary in the relative amounts of college and outside work, time of commencing practice, kinds of experience required and accepted, length of alternating periods, and many other details, and yet all include the three essential features.

Moreover, strict adherence to the fundamentals still leaves room for flexibility with which to meet changing industrial conditions.

While a student is at work he is subject to all rules and regulations imposed by his employer upon the other employees. All existing labor laws and conditions, including those pertaining to liability for accident, apply to the student in the same way as to any other employee.

In accordance with the policy of other engineering colleges, The University of Akron has adopted an accelerated program which enables engineering students to graduate in three years. It is expected that the five-year co-operative program will be resumed after the cessation of the war.

ENGINEERING OPPORTUNITIES

The erroneous impression prevails in many quarters that an engineering graduate must practice his profession. The number of such graduates successfully pursuing other occupations indicates that engineering training adds to earning power in almost any field of endeavor.

Also, the profession itself offers a diversity of opportunities for those of widely variant inclinations. The sales engineer must be able to recommend the particular type and size of equipment which his customers' needs require. The production engineer must be able to understand and handle personnel and management problems. Design, development, research, and appraisal are some of the other subdivisions which are found in nearly every branch of engineering.

In order to conduct a co-operative course, the college must be located in or near an industrial center, and, while there are over a thousand colleges and universities in the United States, yet comparatively few of them are so located that such a course is practicable. Akron is essentially a manufacturing center, and this type of engineering education was selected as being the one best adapted to the city's needs.

THE DANIEL GUGGENHEIM AIRSHIP INSTITUTE

The Guggenheim Airship Institute building is located at the northwest corner of the Municipal Airport. The main building, four stories in height, was completed in 1932, and an addition to accommodate a gust tunnel was built in 1936.

The building houses three pieces of major equipment, a wind tunnel, a whirling arm, and a water tank. In addition there are a machine shop, moving picture cameras, a microphotometry outfit, and meteorological instruments.

The wind tunnel is one of the few vertical ones in the world. It has an overall height of 50 feet, the jet opening is 6 feet 6 inches in diameter, and the vertical distance between the jet entrance and exit is 13 feet. A 225 horsepower electrical motor drives a fan which is capable of producing a wind velocity of 120 miles per hour.

In the wind tunnel the model is at rest and the air moves by it. A model on the whirling arm moves through still air. This arm is 32 feet long, can be rotated at 75 revolutions per minute, and attains a velocity at its terminus of 170 miles per hour. A supplementary vertical wind tunnel delivers air in the path of the moving model thus simulating conditions met with by a ship encountering gusts and squalls.

Inasmuch as air and water are both fluids, it is possible to test airship models in water and investigate the effects of cross currents in the water which are analogous to gusts in the air. The water tank is properly designed and equipped to make such investigations.

OUTSIDE WORK

The Department of Co-ordination and the employer endeavor so to plan the work that the student gets a carefully graded training, beginning with work requiring no skill or experience and ending with actual professional work. This work is required when the co-operative plan is in operation and begins with the student's admission to the Upper College. The alternation is by half semester periods until the senior year, the whole of which is spent in college.

Each student's work assignment is an individual problem. Scholastic records, work reports, conferences, and shop visits are all utilized by co-ordinators in an effort to give each student the type of practical experience which best suits his particular needs. Weekly work reports are prepared in diary form and contain a daily account of the student's practical experience. These reports provide a constant check upon the student's progress in his outside employment.

The outside work, properly co-ordinated with the University training, furnishes a large part of the technical detail required in professional subjects.

WAGES

The object of requiring outside work is to give the student practical experience, not to enable him to earn money. The student's earnings are not sufficient to pay his expenses and he is frequently called upon to change practice jobs where the change means a decrease in salary.

Engineering students are paid for their outside work the same as other employees. Beginners are paid a little more than apprentices and are increased according to a rate agreed upon by the employer and the Department of Co-ordination. Students are paid only for the time actually employed, and receive their wages directly from their employer.

DEGREES

The degrees of Bachelor of Civil Engineering, Bachelor of Mechanical Engineering, and Bachelor of Electrical Engineering, will be granted to those students who satisfactorily complete the required work of the respective courses of study. In addition to his diploma, each co-operative student will receive a certificate showing in detail his practical experience.

The addition of the staff of The Daniel Guggenheim Airship Institute to the faculty of the Engineering College makes it possible for students to complete the requirements for a degree in mechanical engineering with an option in aeronautics.

MILITARY SCIENCE AND TACTICS

Military training under the direct supervision of the United States Government is required of all male students physically fit. Men entering the College of Engineering are required to take the two-year basic course.

Students pursuing advanced R. O. T. C. are allowed to substitute military training (not over six hours of credit) for courses in the curriculum. These courses are selected by a committee composed of the Dean, head of the department in which the student is classified, and the professor of co-ordination. The advanced course is discontinued until after the current war.

PROMOTION

Students are promoted to Upper College work in the College of Engineering after satisfactory completion of two years of work in the General College as indicated in the program outlined on the next page. A minimum of 64 semester hours and 128 quality points is required for promotion.

ESTIMATED EXPENSE OF FIRST YEAR

<i>First Semester</i>		
	Resident	Non-Resident
Tuition	Free	\$ 90.00
Fees	\$ 62.50	62.50
Books and Drawing Instruments	40.00	40.00
Total	\$102.50	\$192.50

<i>Second Semester</i>		
	Resident	Non-Resident
Tuition	Free	\$ 90.00
Fees	\$ 48.50	48.50
Books	8.00	8.00
Total	\$ 56.50	\$146.50

OUTLINE OF REQUIRED COURSES

THE GENERAL COLLEGE

First Year

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Science & Tactics 11	1½	Military Science and Tactics 12	1½
Hygiene & Physical Edu. 17	3	Hygiene & Physical Edu. 18	3
Physics 21 (Mechanics)	4	Physics 22 (Mechanics)	4
Math. 21 (Algebra)	3	Math. 22 (Trigonometry)	3
English 1	3	English 2	3
Engineering Drawing 21	2	Engineering Drawing 22	2
Survey of Engineering 24	1	Personnel Problems 21	1
	<u>17½</u>		<u>17½</u>

Summer Session

	Cr. Hrs.
Military Science and Tactics 43	1½
Physics 43 (Heat and Electricity)	4
Math. 43 (Analytical Geometry)	3
Math. 45 (Differential Calculus)	3
Surveying 21-22	2
	<u>13½</u>

CIVIL ENGINEERING

PROFESSORS DURST, *GILMOUR, BULGER, ASSOCIATE PROFESSOR BOGUSLAVSKY

OUTLINE OF COURSES

First Semester		Second Year		Second Semester	
	Cr. Hrs.				Cr. Hrs.
Military Science & Tactics	1½	Hygiene 18			1
Hygiene 17	1	Engineering Mathematics			2
Physics 44 (Electricity, Light, and Sound)	4	213-214			2
Math. 46 (Integral Calculus).....	3	Strength of Materials CE			3
Elements of Electrical		117-118			3
Engineering EE 58	3	Applied Mechanics CE 109-110.....			3
Engineering Chemistry 131	3	Elements of Electrical			3
Strength of Materials CE 46.....	3	Engineering EE 123			3
		Engineering Chemistry 132.....			3
		Descriptive Geometry ME 44.....			3
	18½				18

Summer Session

	Cr. Hrs.
Heat, Power Engineering ME 46	3
Hydraulics ME 184	3
Surveying CE 43 CE 101	4
Engineering Geology CE 44	2
Concrete Laboratory CE 112	1

13

First Semester		Third Year		Second Semester	
	Cr. Hrs.				Cr. Hrs.
Hygiene	1	Hygiene			1
Thermodynamics ME 189	3	Structural Design CE 114.....			3
Route Surveying CE 108	3	Structural Design CE 121.....			3
Stress Analysis CE 122	3	Roofs and Bridges CE 103.....			3
Highways CE 107	3	Statically Indeterminate			3
English 61 (Report Writing).....	1	Structures CE 123			3
Economics 41	3	Water Supply CE 115			2
Business and Professional		Industrial Engineering IE			3
Speaking 47	2	147-148			3
	19	English 62 (Report Writing).....			1
					19

Summer Session

	Cr. Hrs.
Roofs and Bridges CE 104	3
Structural Design CE 124	3
Soil Mechanics CE 127	3
Sewerage CE 116	2
Elective	2

13

All credit hours are based on a complete semester period.

The above courses are required for the degree of Bachelor of Civil Engineering. In no case, however, will a degree be awarded until the student has passed, with necessary quality points, a minimum of 149 credit hours.

GENERAL COLLEGE

21-22. SURVEYING. 1 credit each semester.

Lab. fee, \$2 each semester.

* Professor of Coordination.

24. SURVEY OF ENGINEERING. Second semester. 1 credit.
Lectures, readings, and motion pictures covering scope of the work in various branches of engineering.
43. SURVEYING. First semester. 2 credits. Lab. fee, \$2.
44. ENGINEERING GEOLOGY. Second semester. 2 credits.
46. STRENGTH OF MATERIALS. Second semester. 3 credits.

UPPER COLLEGE

101. SURVEYING. Second semester. 2 credits. Prerequisite, 21-22.
Lab. fee, \$2.
102. STRUCTURAL DRAWING. Second semester. 2 credits.
- 103-104. ROOFS AND BRIDGES. 3 credits each semester.
Prerequisite, 109.
107. HIGHWAYS. Second semester. 3 credits.
108. ROUTE SURVEYING. First semester. 3 credits.
Prerequisite, 101. Lab. fee, \$2.
- 109-110. APPLIED MECHANICS. Second semester. 3 credits.
Prerequisite, Math. 46, and Physics 44.
112. CONCRETE LABORATORY. First semester. 1 credit. Lab. fee, \$1.
114. STRUCTURAL DESIGN. Second semester. 3 credits.
Simple steel structures. Prerequisite, 118.
115. WATER SUPPLY. First semester. 2 credits.
Prerequisite, Hydraulics.
116. SEWERAGE. Second semester. 2 credits.
Prerequisite, Hydraulics.
- 117-118. STRENGTH OF MATERIALS. Second semester. 3 credits.
Prerequisite, Calculus, Physics, and 46. Lab. fee, \$2.
121. STRUCTURAL DESIGN. First semester. 3 credits.
Students may continue steel and wood structures or begin the study of concrete structures.
122. STRESS ANALYSIS. First semester. 3 credits. Prerequisite 110 and 118. Analysis of building, bridge, and airplane structures. Reactions, shears, and moments. Influence lines. Continuous beams. Trusses. Columns. Graphic statics.
123. STATICALLY INDETERMINATE STRUCTURES. First semester. 3 credits. Redundant structures.
124. STRUCTURAL DESIGN. Second semester. 3 credits.
Reinforced concrete structures.
127. SOIL MECHANICS. Third semester. 3 credits. Prerequisite: CE 109-110. Soil properties. Soil moisture. Limits of consistency. Permeability. Cohesion and internal friction. Compressibility and consolidation. Stress distribution in soil. Settlement of structures.

ELECTRICAL ENGINEERING

PROFESSOR FAIRBURN, ASSOCIATE PROFESSOR SMITH
ASSISTANT PROFESSOR SIBILA, MR. SEIFRIED

OUTLINE OF COURSES

Second Year

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Science & Tactics 44	1½	Hygiene Lab.	1
Hygiene Lab.	1	Engineering Mathematics 213-214	2
Physics 44 (Electricity, Light and Sound)	4	Strength of Materials CE 117-118	3
Math. 46 (Integral Calculus)	3	Applied Mechanics CE 109-110	3
Elements of Electrical Engineering EE 58	3	Descriptive Geometry ME 44	3
Strength of Materials CE 46	3	Elements of Electrical Engineering EE 123	3
Engineering Chemistry 131	3	Engineering Chemistry 132	3
	18½		18

Summer Session

	Cr. Hrs.
Heat Power Engineering ME 46	3
Machine Drawing ME 23	2
Hydraulics ME 184	3
Elements of Electrical Engineering EE 124	3
Shop Practice ME 49	2
	13

Third Year

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Hygiene Lab.	1	Hygiene Lab.	1
Electricity & Magnetism EE 125	3	Engineering Electronics EE 150	3
A. C. Machines EE 170	3	A. C. Machines EE 172	3
A. C. Machines Laboratory EE 171	1½	A. C. Machines Laboratory EE 173	2
A. C. Circuits EE 130-131	3	Industrial Engineering IE 147-148	3
Thermodynamics ME 189	3	Machine Design ME 178	3
Physics 53-I	2	Economics 42	3
English 61 (Report Writing)	1	English 62 (Report Writing)	1
Public Speaking 47	2		
	19½		19

Summer Session

	Cr. Hrs.
Electrical Measurements EE 149	3
Illumination Engineering EE 180	3
Illumination Engineering Laboratory EE 181	1
Electron Tube Applications EE 151	2
Thesis EE 198	1½
Option—Senior Electrical Engineering Problems EE 190 or other elective	3
	13½

All credit hours are based on a complete semester period.

The above courses are required for the degree of Bachelor of Electrical Engineering. In no case, however, will a degree be awarded until the student has passed, with necessary quality points, a minimum of 149 credit hours.

GENERAL COLLEGE

- 21-22. INDUSTRIAL ELECTRICITY. 4 credits each semester.
Includes one 2-hour laboratory period. Prerequisite, High School Algebra. Lab. fee, \$2 each semester.
- 43-44 ADVANCED INDUSTRIAL ELECTRICITY. 2 credits each semester.
Includes one 2-hour laboratory period. Prerequisite, 22. Lab. fee, \$2 each semester. Offered in 1943-44 only.
- 55-56. INDUSTRIAL ELECTRONICS. 2 credits each semester.
Includes one 2-hour laboratory period. Prerequisite, 22. Lab. fee, \$2 each semester.
58. ELEMENTS OF ELECTRICAL ENGINEERING. First semester. 3 credits.
Two recitations and one 3-hour laboratory period. Prerequisite, Physics 43. Lab. fee, \$3.

UPPER COLLEGE

- 123-124. ELEMENTS OF ELECTRICAL ENGINEERING.
3 credits each semester.
Four recitations, one 3-hour laboratory period. Prerequisite, 58 and Math. 46. Lab. fee, \$3 each semester.
125. ELECTRICITY AND MAGNETISM. Second semester. 3 credits.
Two recitations and one 3-hour laboratory. Prerequisite, 123. Lab. fee, \$2.
- 130-131. ALTERNATING CURRENT CIRCUITS. First semester. 3 credits.
Three recitations. Prerequisite, 124.
149. ELECTRICAL MEASUREMENTS. Summer session. 3 credits.
Two recitations and one 3-hour laboratory period. Prerequisite, 124. Lab. fee, \$3.
- 150(151). ENGINEERING ELECTRONICS. Second semester. 3 credits.
Three recitations. Prerequisite, 131 and 149.
- 151(152). ELECTRON TUBE APPLICATIONS. Summer session. 2 credits.
One 4-hour laboratory period. Prerequisite, 150. Lab. fee, \$3.
170. ALTERNATING CURRENT MACHINES. First semester. 3 credits.
Prerequisite, 131.
171. ALTERNATING CURRENT MACHINES LABORATORY. First semester.
1½ credits.
One 3-hour laboratory. Concurrent with 170. Lab. fee, \$4.
172. ADVANCED ALTERNATING CURRENT MACHINES. Second semester.
3 credits. Prerequisite, 170.
173. ADVANCED ALTERNATING CURRENT MACHINES LABORATORY. Second semester. 2 credits.
One 4-hour laboratory. Prerequisites EE 170 and 171. Concurrent with 172. Lab. fee, \$4.

180. ILLUMINATION ENGINEERING. Summer session. 3 credits.
Prerequisite Physics 44.
181. ILLUMINATION LABORATORY. Summer session. 1 credit.
Concurrent with EE 180. One 3-hour laboratory.
- 198-199. THESIS. 1½ credits each semester.
190. SENIOR ELECTRICAL PROBLEMS. Summer session. 3 credits.

INDUSTRIAL ENGINEERING

PROFESSORS ADENDORFF, McCLURE, MR. WANSKY

GENERAL COLLEGE

21. PERSONNEL PROBLEMS. Second semester. 1 credit.

UPPER COLLEGE

- 147-148. INDUSTRIAL ENGINEERING. Second semester. 3 credits.
- 149-150. RUBBER PRODUCTION METHODS. 1½ credits each semester.
151. METAL PROCESSES. First semester. 3 credits.
Pattern Shop, Foundry, and Machine Shop.
153. HUMAN ENGINEERING. First semester. 3 credits.
154. PERSONNEL ADMINISTRATION. Summer session. 3 credits.
155. INDUSTRIAL PRODUCTION PROBLEMS. Second semester. 3 credits.
156. INDUSTRIAL MANAGEMENT PROBLEMS. Summer session. 3 credits.
157. TIME STUDY. First semester. 2 credits.
158. MOTION STUDY AND MICRO-MOTION STUDY. Second semester.
2 credits. One recitation alternating with laboratory period.
Lab. fee, \$2.
160. SEMINAR. Second semester. 2 credits.

MECHANICAL ENGINEERING

PROFESSOR GRIFFIN, ASSOCIATE PROFESSOR UPP,
ASSISTANT PROFESSOR WILSON, MR. CORNELL, MR. HAMLIN, MR. LARUE

OUTLINE OF COURSES

		Second Year		
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.	
Military Science & Tactics 44...	1½	Hygiene Lab.	1	
Hygiene Lab.	1	Engineering Mathematics		
Physics 44 (Electricity, Light, and Sound)	4	213-214	2	
Math. 46 (Integral Calculus).....	3	Strength of Materials CE		
Elements of Electrical		117-118	3	
Engineering EE 58	3	Applied Mechanics CE 109-110..	3	
Strength of Materials CE 46.....	3	Descriptive Geometry ME 44.....	3	
Engineering Chemistry 131	3	Elements of Electrical		
		Engineering EE 123	3	
		Engineering Chemistry 132	3	
	18½			18

Summer Session

	Cr. Hrs.
Heat Power Engineering ME 46	3
Machine Drawing ME 23	2
Shop Practice ME 49	2
Hydraulics ME 184	3
Elements of Electrical Engineering EE 124	3
	13

Third Year

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Hygiene	1	Hygiene Lab.	1
Mechanical Engineering Lab- oratory ME 182	2	Mechanical Engineering Lab- oratory ME 183	3
Thermodynamics ME 189	3	Steam Power Plants ME 185.....	3
Mechanism ME 172	3	Machine Design ME 178	3
Mechanism Drawing 174	1	Chemistry 136 (Fuels and Combustion)	2
Heating and Air Conditioning ME 187	3	Industrial Engineering IE 147-148	3
English 61 (Report Writing)	1	English 62 (Report Writing)	1
Business and Professional Speaking 47	2	Elective	3
Economics 41	3		19
	19		

Summer Session

	Cr. Hrs.
Gas and Oil Engines ME 190	3
Special Mechanical Engineering Problems ME 194	3
Steam Power Plants ME 186	3
Machine Design ME 179	5
	14

Third Year

(Industrial Engineering Option)

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Hygiene Lab.	1	Hygiene Laboratory	1
Industrial Engineering IE 147-148	3	Industrial Production Problems IE 155	3
Time Study IE 157	2	Motion Study IE 158	2
Mechanical Engineering Laboratory ME 182	2	Machine Design ME 178	3
Thermodynamics ME 189	3	Accounting	3
Mechanism ME 172	3	Economics 41	3
Mechanism Drawing ME 174	1	English 62 (Report Writing)	1
English 61 (Report Writing)	1	Elective	3
Business & Professional Speaking 47	2		19
	18		

Summer Session

	Cr. Hrs.
Gas and Oil Engines ME 190	3
Machine Design ME 179	5
Industrial Management Problems IE 156	3
Personnel Administration IE 154	3
	14

Third Year

(Aeronautical Engineering Option)

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Hygiene Laboratory	1	Hygiene Laboratory	1
Mechanical Engineering Laboratory ME 182	2	Machine Design ME 178	3
Thermodynamics ME 189	3	Industrial Engineering IE 147-148	3
Mechanism ME 172	3	Aerodynamics 165	3
Mechanism Drawing ME 174.....	1	Aerodynamics Laboratory 167.....	3
Stress Analysis CE 122	3	English 62 (Report Writing)	1
English 61 (Report Writing)	1	Electives	5
Business and Professional Speaking 47	2		19
Economics 41	3		
	19		

Summer Session

	Cr. Hrs.
Gas and Oil Engines ME 190	3
Machine Design ME 179	5
Aeronautical Problems 168	3
Airplane Design 166	3
	14

All credit hours are based on a complete semester period.

The above courses are required for the degree of Bachelor of Mechanical Engineering. In no case, however, will a degree be awarded until the student has passed, with necessary quality points, a minimum of 149 credit hours.

GENERAL COLLEGE

- 21-22. ENGINEERING DRAWING. 2 credits each semester.
 23. MACHINE DRAWING. Summer session. 2 credits. Prerequisite, 22.
 24. AIRCRAFT DRAFTING. 2 credits. Prerequisite, 22.

A study of the materials and methods used in airplane construction with special emphasis on terminology, abbreviations, and standard parts as adopted by leading airplane manufacturers and approved by the Army and Navy. The exercises will include dimensional control, lofting, pattern layouts, ribs, spars, contours, controls and details of various airplane parts.

44. DESCRIPTIVE GEOMETRY. Second semester. 3 credits.
 Prerequisite, 22.
 46. HEAT POWER ENGINEERING. Summer session. 3 credits.
 Prerequisite, Physics 22.
 49. SHOP PRACTICE. Summer session. 2 credits. Lab. fee, \$3.

UPPER COLLEGE

172. MECHANISM. First semester. 3 credits.
 174. MECHANISM DRAWING. First semester. 1 credit.
 Prerequisite, 172.
 178. MACHINE DESIGN. Second semester. 3 credits.
 Prerequisite, C. E. 118.
 179. MACHINE DESIGN. Summer session. 5 credits. Prerequisite, 178.
 180. MACHINE DESIGN. 2 credits.

182. MECHANICAL ENGINEERING LABORATORY. First semester.
2 credits. Lab. fee, \$2.
183. MECHANICAL ENGINEERING LABORATORY. Second semester.
3 credits. Lab. fee, \$2.
184. HYDRAULICS. Summer session. 3 credits. Prerequisite, Math. 46.
- 185-186. STEAM POWER PLANTS. 3 credits each semester.
Prerequisite, 46.
187. HEATING AND AIR CONDITIONING. First semester. 3 credits.
Prerequisite, Physics 43.
189. THERMODYNAMICS. First semester. 3 credits.
Prerequisite, Math. 46.
190. GAS AND OIL ENGINES. Summer session. 3 credits.
Prerequisite, 189.
192. REFRIGERATION. First semester. 3 credits. Prerequisite, 189.
194. SPECIAL MECHANICAL ENGINEERING PROBLEMS. Summer session.
3 credits. Lab. fee, \$3.
196. INSPECTION TRIPS. Second semester. 1 credit.
197. HEATING AND VENTILATING. First semester. 2 credits.
Evening session.
198. AIR CONDITIONING. Second semester. 2 credits.
Evening session.

AERONAUTICS

PROFESSORS TROLLER, HUSS, ASSISTANT PROFESSORS CHAMPNEY, CHILTON,
MR. HAILSTONES, MR. EMBERSON, MR. WELLNER

- 161-162. AIRCRAFT MATERIALS AND CONSTRUCTION. 2 credits each
semester. Prerequisite, Strength of Materials. The re-
quirements of aircraft structures including the materials and their
characteristics. Steel, aluminum, and their alloys, magnesium,
timber, plastics, rubber, and glass. An application of the use of the
above materials to the construction of ribs, covers, ailerons, tail
surfaces, cables, bearings, engine supports, and steering mechan-
isms. Also problems in vibration, damping, fatigue, and noise
reduction.
163. GENERAL AERONAUTICS. First semester. 3 credits.
165. AERODYNAMICS. Second semester. 3 credits.
166. AIRPLANE DESIGN. Summer session. 3 credits. Prerequisite, 165.
167. AERODYNAMICS LABORATORY. Second semester. 3 credits.
Lab. fee, \$2.

168. AERONAUTICAL PROBLEMS. Summer session. 3 credits.
Lab. fee, \$3.

169-170. METEOROLOGY. 3 credits each semester.

Prerequisite, Physics 44. Meteorology as applied to aeronautics. Structure and characteristics of the atmosphere, wind and pressure, weather maps and symbols, forecasting, the Synoptic chart including its preparation and significance, and a study of various charts to represent upper strata.

OTHER COURSES FOR ENGINEERING STUDENTS

CHEMISTRY

ASSISTANT PROFESSORS ANDERSON AND DREIBACH

131. ENGINEERING CHEMISTRY. First semester. 3 credits.
Lab. fee, \$5.

132. ENGINEERING CHEMISTRY. Second semester. 3 credits.
Lab. fee, \$5.

136. CHEMISTRY (FUELS AND COMBUSTION). Second semester.
2 credits.

METALLURGY

MR. GROVE

133. METALLURGY OF IRON AND STEEL. Second semester. 3 credits.
Lab. fee, \$7.50.

134. METALLURGY (ADVANCED). Second semester. 3 credits.
Lab. fee, \$7.50.

137-138. METALLURGY. 2 credits each semester. Lab. fee, \$3.
(138 only.)

ENGLISH

ASSISTANT PROFESSOR RAW

61-62. ENGLISH (REPORT WRITING). 1 credit each semester.

THE COLLEGE OF EDUCATION

*HOWARD R. EVANS, PH.D., *Dean*
HJALMER W. DISTAD, PH.D., *Acting Dean*

GENERAL INFORMATION

The College of Education, formerly known as the Teachers College, was established in 1921 in co-operation with the Akron Board of Education, replacing the former Perkins Normal School of Akron. Teachers College, until the close of the academic year 1930-31, was supported by both educational systems. For its faculty it draws upon the teaching staff of both the Public Schools and the University. Along with the reorganization plan which was placed into effect in September, 1935, the name was changed to the College of Education.

The University of Akron is so organized that students in any college may take courses in other colleges. This enables the College of Education to use the facilities of the whole University in the preparation of teachers. The Akron Public Schools cooperate with the University in a number of ways, chief of which is the provision of the Spicer Elementary School for observation and laboratory experiences. Students in the University are inducted into actual school experience, for the most part, in classes in the public schools of the City of Akron. Occasionally, however, Barberton, Summit County, and other neighboring school systems are used. The College of Education has for its first major purpose the professional preparation of teachers. Attention will be given, however, to the development of characteristics and qualities which are equally important, such as a broad and liberal education, strong and pleasing personality, and desirable character.

Particular emphasis is placed upon the preparation of teachers for the city of Akron. However, graduation does not insure appointment to a teaching position in the city. Selection is made on the basis of scholarship, professional training, personality, and character.

In the preparation of teachers there is a related function, that of the improvement of teachers in service. In order to satisfy this need, evening, Saturday, and summer session courses are offered. These courses are designed to strengthen the academic preparation, to improve professional mastery, and to inspire and lead teachers to a clearer conception of their responsibilities and privileges.

The third purpose is to bring teacher training into closer contact with the instructional, supervisory, and administrative forces of the city. The real, vital problems of education may thus be studied by all who represent these forces. In this way the vigorous progressive phases of school work in the city will be reflected in the

* Entered military service.

training courses, and research on these problems by the College of Education will bring suggestions for new forms of training and for various modifications of school work.

COURSES OF STUDY AND DEGREES

The College of Education offers curricula in the following fields: high school teaching, all regular academic subjects, and special fields such as physical education, music, art, secretarial science, commerce, speech, home economics; kindergarten-primary and nursery school and all grades of the elementary school.

Each student is required to pass a qualifying examination before entering upon Student Teaching, or before graduation if his Student Teaching requirement has already been met.

The Department of Psychology, although placed in the College of Education for administrative purposes, is open to the students in the Liberal Arts College or the College of Education who wish to make Psychology their field of concentration.

The State of Ohio will grant a temporary or provisional elementary school certificate upon the completion of a program leading to the three-year diploma. Such a program is still provided by the College of Education for those students who wish to complete it. The first two years of the student's preparation are given over to general education in the General College. During the second year, however, if the student anticipates entering the College of Education he should plan to take certain prerequisite courses.

Due to the current shortage of elementary teachers, the Department of Education will grant a temporary certificate upon the completion of two years of training in an elementary curriculum. Beginning with the second semester, 1942-43, the College of Education offers an accelerated two-year program for the training of elementary teachers. Students pursuing this curriculum may take their professional courses during the Freshman and Sophomore years. The accelerated program will continue in operation during the emergency created by the War.

Any student in the University who is not enrolled in the College of Education and who wishes to enter the teaching profession should register with the Dean of the College of Education at least two years prior to the time at which he expects to be eligible to teach.

Students who complete a prescribed four-year curriculum of 128 semester hours and have the required quality of work are entitled to receive the B.A. in Education or the B.S. in Education degree.

Graduate courses are open to any student who holds a Bachelor's degree from an accredited institution and who has the necessary background and ability for advanced study. The Master's degree is granted upon the completion of 30 semester hours of study.

REQUIREMENTS FOR ADMISSION

1. Each student must have secured an average quality point ratio of two in all work carried.

2. Each student is required to pass an examination on the introductory courses in the General College.

3. Each student must pass an examination in written English.

4. Each student is required to meet a satisfactory standard with respect to personality. This rating is made by instructors conducting the courses in Education in the General College, by the office of the Dean of Students, or by means of a standardized rating, or by a combination of them.

5. Each student planning to major in a special field must take an examination planned by the special department.

6. Each prospective high school teacher must be prepared for certification in three subjects, one major and two minors. The teaching majors and minors are defined on the next page.

7. Each prospective high school teacher must be prepared to enter upper college courses in at least two teaching fields.

BASIC REQUIREMENTS FOR ALL DEGREES

1. General education and prerequisite pre-professional requirements:	Cr. Hrs.
English 1-2	6
Introduction to Social Science 5-6	6
Introduction to Humanities 7-8	6
Introduction to Natural Science 9-10	6
Hygiene, Physical and Mental 17-18	6
General Psychology 41	3
Educational Psychology 52	3
Introduction to Education 55	3
Fundamentals of Speech 76	3
Literature	6
Mathematics, Foreign Language, Accounting or *Elective	6-8
Military Science and Tactics (Men)	6
2. Professional Courses:	
Tests and Measurements 105	2
School Management 115	2
Student Teaching 124	6
Methods	Varies with the teaching field.
Principles of Education 201	3
3. Major field plus one or two minors, depending upon field.	

REQUIREMENTS FOR THE B.A. IN EDUCATION

The B. A. degree in Education is granted to those whose major field is in one of the regular academic fields such as English, History, Mathematics, Science, etc. (Majors in special fields, including elementary, receive the B.S. degree in Education.)

*For Elementary Curriculum.

STATEMENT OF NUMBER OF HOURS REQUIRED IN
VARIOUS FIELDS FOR THE COMPLETION OF
MAJORS AND MINORS

Field	H. S. Units as Pre- requisites	Major	Minor	Special
Art	---	---	24	60
Biological Science	1	24	15	---
Business Education	---	---	---	45
Bookkeeping—Social Business.....	---	40	20	---
Salesmanship—Merchandising	---	40	20	---
Stenography—Typing	---	40	20	---
Typing	---	---	5	---
Earth Science	1	---	15	---
English	3	*30	15	---
†French	2	24	15	---
General Science	---	*40—compre- hensive major	15	---
†German	2	24	15	---
History	2	24	15	---
Home Economics	---	---	20	35
†Latin	2	18	15	---
Mathematics	2	20	15	---
Music—Instrumental	---	---	24	53
Vocal	---	---	24	53
Physical Education	---	---	16	40
Physical Science	1	24	15	---
Social Science	1	*24	15	---
Social Studies (comprehensive major)	---	40	---	---
*Spanish	2	24	15	---
Speech	---	24	15	40

For selection of required courses to constitute a teaching field, consult the Dean of the College of Education or appropriate adviser.

Each student expecting to receive the Bachelor of Arts in Education degree is required to have one major and two minors according to the definitions above, in addition to the requirements for promotion to the upper college as listed on page 38 and the following courses in education:

*Methods	3 hours
Tests and Measurements, 105	2
Principles of Education, 201	3
Student Teaching, 124	6
School Management, 115	2
Fundamentals of Speech, 76	3

Each student is required to pass a qualifying examination before entering upon student teaching, or before graduation if his student teaching requirement has already been met.

Each student is required to complete 128 semester hours of work with a minimum of a 2 point average. At the time of entering upon student teaching, this must be 2.5 in the major field and 2 in the minors.

* General courses are not included in the total hours listed above.

† The two units of high school which are required as prerequisites to college study in a language may be satisfied by taking the eight-hour beginning course. This means that, in order to place a language on a certificate as a teaching field, 23 hours would be required if the study of the language is begun in college.

Varies with the major and minors. In some cases the methods requirement is included as a part of the major.

SEQUENCE OF PRE-PROFESSIONAL
AND PROFESSIONAL COURSES

Second Year General College

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
General Psychology	3	Educational Psychology	3
Introduction to Education (first or second semester) 3			

First Year Upper College

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Methods	3	Tests and Measurements 105.....	2

Second Year Upper College

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Principles of Education 201	3	Student Teaching	6
		School Management	2

or

Student Teaching	6	Principles of Education 201	3
School Management	2		

ACCELERATED CURRICULUM

PRIMARY

First Semester	Cr. Hrs.
English 1	3
Hygiene, Physical and Mental 17	3
General Psychology 41	3
Structural Art 21	2
Fundamentals of Speech 76.....	3
Music Orientation 21	2
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	16

Second Semester	Cr. Hrs.
English 2	3
Hygiene, Physical and Mental 18	3
Educational Psychology 52	3
Primary Music Education 121.....	2
Story Telling 83	3
Introduction to Education 55.....	3
<hr/>	
	17

Third Semester	Cr. Hrs.
Primary Education 131	3
Art for the Grades 121	2
Handicrafts 41	2
Geography	3
Childrens Literature 86	3
Science for Elementary Grades 133	3
<hr/>	
	16

Fourth Semester	Cr. Hrs.
Primary Education 132	3
Teaching of Reading 135	3
Student Teaching 124	6
School Management 115	2
Games for Elementary School 132	1
<hr/>	
	15

ELEMENTARY

First Semester	Cr. Hrs.
English 1	3
Hygiene, Physical and Mental 17	3
General Psychology 41	3
Structural Art 21	2
Fundamentals of Speech 76	3
Music Orientation 21	2
<hr/>	
	16

Second Semester	Cr. Hrs.
English 2	3
Hygiene, Physical and Mental 18	3
Educational Psychology 52	3
Handicrafts	2
Story Telling 83	3
Introduction to Education 55.....	3
<hr/>	
	17

Third Semester	Cr. Hrs.
Art for the Grades 121	2
Elementary Music Education 122	2
Geography	3
Science for Elementary Grades 133	3
Teaching of Social Studies 138..	2
Children's Literature 86	3
Teaching of Language Arts 137...2	
<hr/>	
	17

Fourth Semester	Cr. Hrs.
Geography	3
Teaching of Reading 135	3
Student Teaching 124	6
School Management 115	2
Games for Elementary School 132	1
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	15

*Fifth Semester	Cr. Hrs.	*Fifth Semester	Cr. Hrs.
Principles of Education 201.....	3	Principles of Education 201.....	3
Electives	5	Teaching of Arithmetic 136	2
	8	Elective	2
			7
Total	72	Total	72

* Courses listed under Fifth Semester may be taken during a short Summer Session.

PRIMARY-ELEMENTARY COURSE

The following outline is furnished as a guide for students in planning their programs. It is designed for teachers preparing to teach in grades one to three inclusive.

Elective work should be chosen in consultation with the adviser, so that there will be some concentration comparable to at least one minor.

First Year, General College

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 1	3	English 2	3
Introduction to Social Science 5	3	Introduction to Social Science 6	3
Hygiene, Physical and Mental 17	3	Hygiene, Physical and Mental 18	3
Military Training (Men)	1½	Military Training (Men)	1½

Second Year, General College

Introduction to Humanities 7 ...	3	Introduction to Humanities 8 ...	3
Introduction to Natural Science 9	3	Introduction to Natural Science 10	3
Structural Art 21	2	Design 22	2
General Psychology 41	3	The Art of Music 22	2
Music Orientation 21	2	Educational Psychology 52	3
Literature	3	Introduction to Education 55	3
Military Training (Men)	1½	Literature	3
		Military Training (Men)	1½

Third Year, College of Education

Principles of Geography 71	3	Fundamentals of Speech 76	3
Story Telling 83	3	Story Telling 84	3
Primary Music Educa. 121	2	Children's Literature 86	3
Primary Methods 131	3	Art for the Grades 121	2
Hygiene and Health Activities for Elementary Grades 131	2	Primary Methods 132	3
Games for Elem. Grades 132	1		
Teaching of Reading 135	3		

Fourth Year, College of Education

Handicrafts 41	3	School Management 115	2
Child Psychology 105	3	Student Teaching 124	6
Science for Elem. Grades 133	3	Economics, History, Political Science or Sociology	6
Principles of Education 201	3	Tests and Measurements 105	2
Geography	3		

KINDERGARTEN-PRIMARY COURSE

The curriculum for the preparation of Kindergarten-Primary teachers is quite similar to the curriculum for primary-elementary teachers.

This curriculum leads to the B.S. degree in Education and is designed primarily for the preparation of teachers in kindergarten and grades one and two.

The student must pass a music test before entering upper college to pursue this curriculum.

FOUR-YEAR ELEMENTARY COURSE

The following curriculum for the preparation of elementary school teachers leads to the B.S. degree in Education.

Elective work should be chosen in consultation with the adviser, so that there will be some concentration comparable to at least one minor.

The following outline is furnished as a guide for students in planning their programs:

First Year, General College

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 1	3	English 2	3
Intro. to Social Science 5	3	Intro. to Social Science 6	3
Hygiene, Physical and Mental 17	3	Hygiene, Physical and Mental 18	3
Military Training (Men)	1½	Military Training (Men)	1½

Second Year, General College

Intro. to Humanities 7	3	Intro. to Humanities 8	3
Intro. to Natural Science 9	3	Intro. to Natural Science 10	3
Structural Art 21	2	Design 22	2
General Psychology 41	3	Educational Psychology 52	3
Intro. to Education 55	3	Story Telling 83	3
Literature	3	Literature	3
Military Training (Men)	1½	Military Training (Men)	1½

Third Year, College of Education

Principles of Geography 71	3	The Art of Music 22	2
Music Orientation 21	2	Art for the Grades 121	2
Children's Literature 86	3	Teaching of Social Studies 138	2
Teaching of Language Arts 137	2	Fundamentals of Speech 76	3
Child Psychology 105	3	Geography	3
Hygiene and Health Activities for Elementary Grades 131	2	Teaching of Reading 135	3
Games for Elem. Grades 132	1	Teaching of Arithmetic 136	2

Fourth Year, College of Education

Elem. Music Education 122	2	School Management 115	2
Science for Elementary Grades 133	3	Student Teaching 124	6
Economics, History, Political Science, or Sociology	3	Economics, History, Political Science, or Sociology	3
Handicrafts 41	3	Tests and Measurements 105	2
Principles of Education 201	3		

ART COURSE

To obtain the B.S. in Education degree with a major in art, one must fulfill the basic requirements listed on page 97 plus the art major.

Drawing:		Design, Painting, Sculpture:	
Structural Art 21	2	Design, 22 and 43	4
Drawing & Rendering 45-46...	4	Still Life 47-48	4
Illustration 179	2	Modeling 59-60	4
Graphic Arts 104	2	Weaving 106-107	4
Figure Drawing 175-176	4	Occupational Therapy 101.....	2
		General Crafts 102	2
Methods, etc:		Costume 151	3
Methods in Teaching Art 191	3	Interior Decoration 171	3
Art for the Grades 121	2	Appreciation and History:	
Student Teaching 124	6	Appreciation 29-30	4
		History of Art 201-202	6

COMMERCIAL TEACHER TRAINING

The general field of Business Education is divided into three specific fields: Stenography-Typing, Bookkeeping-Social Business, and Salesmanship-Merchandising. Students preparing to teach commercial subjects may follow a comprehensive major of 45 hours distributed over all three fields, or else a specific major of 40 hours in any one. The requirements for each follow:

Business Education.—Valid for teaching all subjects in the secretarial and commercial field. 45 semester hours distributed over all three fields and including second-semester Dictation, third-semester Accounting, Special Methods, High School Methods, one minor, general and professional requirements.

Stenography-Typing.—Valid for teaching Shorthand, Typewriting, Business English, Clerical Practice, and Secretarial Practice. The course must include fourth-semester Dictation, preparation for the other valid teaching subjects, Special Methods, and pertinent electives to total 40 hours; also two minors, High School Methods, general requirements, and professional requirements.

A minor in this field includes Shorthand, Typewriting, and Dictation, 14 hrs.; Special Methods, 3 hrs., and 3 hours of pertinent electives.

Bookkeeping-Social Business.—Valid for teaching Bookkeeping, Business Law, Economic Geography, Business Economics, Business Organization and Management. The course must include fourth-semester Accounting, preparation for the other valid teaching subjects, Special Methods, and pertinent electives to total 40 hours; also two minors, High School Methods, general requirements, and professional requirements. A minor in this field includes Accounting, 9 hrs.; Business Law, 3 hrs.; Economic Geography, 3 hrs.; Business Administration, 3 hrs.; and Special Methods, 2 hrs.

Salesmanship-Merchandising.—Valid for teaching Merchandising, Retail Store Selling, Salesmanship, Advertising, and Economic Geography. The course must include Marketing, 3 hrs.; Salesmanship, 3 hrs.; preparation for the other valid teaching subjects; Special Methods; and pertinent electives to total 40 hours; also two minors, High School Methods, general requirements, and professional requirements.

A minor in this field includes Marketing Principles, 3 hrs.; Salesmanship, 3 hrs.; Advertising; Retailing; Merchandising; Economic Geography; and pertinent electives to total 20 hours.

CURRICULUM IN COMMERCIAL TEACHER TRAINING

First Year, General College

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 1	3	English 2	3
Introduction to Soc. Sc. 5	3	Introduction to Soc. Sc. 6	3
Hygiene, Physical and Mental 17	3	Hygiene, Physical and Mental 18	3
Military Training (Men)	1½	Military Training (Men)	1½
Mathematics, Accounting, or Foreign Language	3 or 4	Mathematics, Accounting, or Foreign Language	3 or 4
Introduction to Humanities 7 or Elective	3	Introduction to Humanities 8 or Elective	3

Second Year, General College

Introduction to Natural Science 9	3	Introduction to Natural Science 10	3
General Psychology 41	3	Educational Psychology 52	3
Military Training (Men)	1½	Military Training (Men)	1½
Fundamentals of Speech 76 or Major	3	Literature	3
Literature	3	Typewriting (Major) 52	2
Typewriting (Major) 51	2	Major	3
Introduction to Education 55	3		

Major subjects to be selected from Accounting, Business Administration, Business Law, Consumer Economics, Economic Geography, Filing and Machine Calculation, Secretarial Procedure, Selling and Advertising, and Shorthand.

Third Year, College of Education

Special Methods	2 or 3	High School Methods 113	3
Economics 41	3	Special Methods or Major	2 or 3
Tests and Measurements 105	2	Economics	3
Major or Minor	6 to 9	Major or Minor	6 to 9

Additional major subjects: Advertising, Business Correspondence, Dictation, Marketing, Purchasing.

Fourth Year, College of Education

Student Teaching 124	6	Principles of Education 201	3
School Management 115	2	Major, Minor, or Elective	13
Major, Minor, or Elective	8		

Additional major subjects: advanced work in any field for which prerequisites have been taken.

HEALTH AND PHYSICAL EDUCATION

One may obtain a B.S. in Education degree with a major in Physical Education by following the suggested curriculum outlined on the next page and by planning electives to constitute one minor.

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
English 1	3	English 2	3
Introduction to Social Science 5	3	Introduction to Social Science 6	3
Introduction to Humanities 7	3	Introduction to Humanities 8	3
Hygiene, Physical and Mental 17	3	Hygiene, Physical and Mental 18	3
Foreign Language or Mathematics	3 or 4	Foreign Language or Mathematics	3 or 4
Military Training (Men)	1½	Military Training (Men)	1½
Second Year, General College			
Introduction to Natural Science 9	3	Introduction to Natural Science 10	3
General Psychology 41	3	Educational Psychology 52	3
Physical Education 45	3	Physical Education 46	3
Introduction to Education 55	3	Fundamentals of Speech 76	3
Literature	3	Literature	3
Military Training (Men)	1½	Military Training (Men)	1½
Third Year, College of Education			
Theory and Practice 103	2 or 3	Theory and Practice 104 (Men)	2
Theory and Practice 105	2 or 3	Theory and Practice 106	2 or 3
Normal Diagnosis and Corrective Exercise 115	2	Theory and Prac. 108 (Women)	3
First Aid 111	1	Physical Education 114	2
Anatomy 127	3	Methods of Phys. Ed. 125	2
		Massage 112	1
		Physiology 128	3
Fourth Year, College of Education			
Tests & Meas. 105	2	School Management 115	2
Org. and Adm. of Phys. Ed. 121	2	School Health 118	2
Kinesiology 124	2	Org. and Adm. of Phys. Ed. 122	2
Hygiene and Health Activities for Elementary Grades 131	2	Student Teaching 124	6
Games for Elem. Grades 132	1	Principles of Educa. 201	3

HOME ECONOMICS COURSE

To obtain the B.S. in Education degree with a major in home economics one must fulfill the basic requirements listed on page 97 plus the home economics major plus one minor.

MAJOR IN HOME ECONOMICS		MINOR IN HOME ECONOMICS	
	Cr. Hrs.		Cr. Hrs.
Foods		Foods	
General Foods 45-6	6	General Foods 45-46	6
Advanced Foods 115	3	Clothing	
Clothing		Textiles 21	3
Textiles 21	3	Clothing 22	3
Clothing 22	3	General	
Advanced Clothing 105 and 106	6	Child Development 125	3
General		Home Management 122	3
Child Development 125	3	Methods	
Home Management 122	3	Home Economics	
Home Eco. Survey 53	2	Education 151	3
Selection of Home Furnishings 118	3	Total	21
Household Equipment 215	3		
Total	35		

MUSIC EDUCATION

Requirements for the degree of B. S. in Education with a major in Music Education.

General College Requirements		College of Education Requirements	
	Cr. Hrs.		Cr. Hrs.
English 1, 2	6	General Psychology 41	3
Hygiene 17, 18	6	Educational Psychology 52	3
Intro. to Social Science 5, 6	6	Introduction to Education 55	3
Intro. to Natural Science 9, 10	6	Fundamentals of Speech 76	3
Intro. to Humanities 7, 8	6	Literature	6
Mathematics, Accounting or Foreign Languages	6	Tests and Measurements 105	2
Military Sci. and Tactics (Men)	6	School Management 115	2
		Student Teaching 124	6
		Principles of Education 201	3

Department of Music Requirements

THEORETICAL MUSIC (25 Cr. Hrs.)		MUSIC ORGANIZATIONS	
	Cr. Hrs.	(Continuous enrolment is necessary in any of the following):	
Music Orientation 21	2	University Singers	
The Art of Music 22	2	University Chorus	
Theory I 41	5	University Orchestra	
Theory II 42	5	University Band	
Theory III 103	3	Women's Octette	
History of Music 101-102	4	Men's Duodecimet	
Orchestration 114	2		
Conducting 112	2		
		MUSIC EDUCATION (10 Cr. Hrs.)	
			Cr. Hrs.
		Primary Music Ed. 121	2
		Elementary Music Ed. 122	2
		Secondary Music Ed. 123	2
		Psych. of Music Ed. 124	2
		Administrative Problems 128	2
		Class Instruction in all of the follow- ing: (8 Cr. Hrs.)	
			Cr. Hrs.
		Piano Class 51, 52	2
		Voice Class 53, 54	2
		String Class 55, 56	2
		Woodwind Class 57	1
		Brass Class	1

Additional Requirements for Majors in Music Education

- (1) If a student wishes to major in School Music, he must have reached a satisfactory degree of achievement in Voice, or in some instrument, before entering college. A musical aptitude test will be given each student near the beginning of the first year of study.
- (2) The 16 credits in Individual Instruction must include 4 credits in Piano and 4 credits in Voice.
- (3) Class instruction cannot be substituted for individual instruction.
- (4) Presentation of both Junior and Senior recitals is recommended.

Music Requirements for Graduates in Primary and Elementary Education

Music Orientation	2 hrs.
The Art of Music	2 hrs.
Primary or Elementary Music Education	2 hrs.

(Recommended: Piano Class and Voice Class)

The requirements of the State Department for certification in music are met by the requirements of the College of Education and the Department of Music.

SPEECH

To obtain the B. S. in Education degree with a special major in Speech one must fulfill the basic requirements listed on page 93 and the following courses:

	Cr. Hrs.
Public Speaking 41	3
Reading Aloud 51	3
Fundamentals of Speech 76	3
Play Production 161	3
Speech Correction 271, 272	4
History of Speech 291, 292	4
Seminar 293	2
Teaching of Speech 114	2
Elective	16
	40

The B.A. in Education with a major in Speech may be obtained by completing 24 hours of Speech including the courses listed above with the exception of Teaching of Speech 114. The minor requirement is 15 hours and includes the courses listed above with the exception of History of Speech 291-292, Seminar 293 and Teaching of Speech 114.

VOCATIONAL EDUCATION COURSE

This course leads to the B.S. in Ed. degree and a Smith-Hughes certificate

All students must include the following subjects. Students wishing both the degree and the certificate must take in addition all the requirements for a degree (69 or 73 credits); those wishing only the certificate need include but 2 credits in Observation and Student Teaching instead of the 6 credits required for the degree.

	Cr. Hrs.
Major Field	24
Engineering Drawing	6
Occupational Analysis	2
Organization of Instructional Material	2
Methods of Teaching Occupational Subjects	2
Shop Management	2
Conference Method of Teaching	2
Educational and Vocational Guidance	2
Organization and Administration of Vocational Education	2
History and Philosophy of Vocational Education	2
Vocational Tests and Measurements	2

STUDENT ADVISERS

All students should confer with the following persons regarding their work according to the fields in which they expect to teach.

Students should also feel free to consult the Dean of the College of Education regarding any of their problems.

Art	MRS. BARNHARDT
Commercial Subjects	MR. DOUTT, MR. MCKEE
Four-Year Elementary	MR. DISTAD
High School	MR. KUHNES, MR. RIED
Home Economics	MISS WILSON
Kindergarten-Primary	MISS KEMLER
Music	MR. GROSS
Physical Education	MISS LOCKE, MR. SEFTON
Primary-Elementary	MISS KEMLER
Speech	MR. HITCHCOCK
Vocational Education	MR. DOWNING

THE QUALIFYING EXAMINATION

All students are required to pass satisfactorily a qualifying examination before engaging in student teaching. This examination covers (1) subject matter to be taught in the subjects or grades of the public school for which the student is certificated; (2) mastery of professional concepts, facts, and abilities which are taught in courses such as Psychology, History and Principles of Education, and Methods.

This examination is to be taken at the close of the junior year and is given in April and November, each year. This examination serves in the College of Education as the comprehensive examination which is required of all students for graduation. If a student has taken his student teaching prior to his attendance at the University of Akron, the passage of the examination is, nevertheless, required for the degree.

RECOMMENDATIONS FOR CERTIFICATION

Some students who receive degrees from the College of Liberal Arts wish to qualify for teaching. Some instruction regarding this is given on page 50. These persons will be recommended for certification on the basis of the major and minor requirements on page 98 and the completion of the courses listed above under Sequence of Pre-Professional and Professional courses.

Admission to student teaching will be based upon the same point average requirement as in the case of students in the College of Education. Satisfactory work must be done in teaching fields and in education, particularly student teaching, to warrant recommendation for teaching certificates.

Every teacher in the public schools of Ohio is required to have a certificate covering the fields in which he is teaching. This certificate is issued by the State Department of Education upon recommendation of the Dean of the College of Education. The student must make out an application form, which may be obtained in the office of the Dean or in the office of the Registrar. This form should be filled out about one month before the student plans to complete all of his requirements for teaching.

CONVERSION FROM SECONDARY TO ELEMENTARY CERTIFICATE

The holder of a high school certificate may be temporarily certificated for elementary teaching upon completion of 12 semester hours. The temporary certificate may be renewed by taking 12 semester hours of additional training each year until such time as all of the requirements of the general pattern for the training of elementary teachers are met. Upon completion of all of the requirements, the provisional elementary certificate will be issued.

Consult the Dean of the College of Education for courses to be taken.

STUDENT TEACHING

The student teaching in all courses is done in the public schools under the supervision of critic teachers and a representative of the faculty of the College of Education. Each student must teach for a semester under regular assignment. Under such supervision the student teacher really assumes rather full teaching responsibility.

In addition to the qualifying examination a student, in order to be eligible to engage in student teaching, must have at least an average quality point ratio of 2.5 in his major field, an average quality point ratio of 2 in his minor fields, and at least an average quality point ratio of 2 in all subjects taken.

GRADUATE STUDY

The College of Education offers graduate courses leading to the following degrees: Master of Arts in Education (to candidates holding the B. A. degree), and Master of Science in Education (to candidates holding the B.S. degree, the B.S. in Education or the B.E. degree). For further information about graduate work see section of the catalog headed Graduate Study.

For the convenience of graduate students the following suggestive programs have been outlined. The selection of one of these programs or some other program should be made in consultation with the Dean of Graduate Study, the Dean of the College of Education, or an adviser suggested by them.

ELEMENTARY EDUCATION

	Cr. Hrs.
Adv. Educa. Psychology 303	2
Activity School 303	3
Psych. of Child Develop. 308	2
Educational Diagnosis 313	2
Supervision of Instruction 322	2
Philosophy of Education 323	2
Technique of Research 425	2
Clinical Psychology 425-426	4
Seminar in Curriculum 427	2
Thesis	2

SECONDARY SCHOOL
PRINCIPAL

Adult Education 211	2
Guidance 301	2
Adv. Educa. Psychology 303	2
Educational Statistics 311	2
Adv. Educa. Measurements 312	2
Psychological Systems 317-318	4
Secondary Sch. Admin. 320	2
Public Sch. Administration 321	2
Supervision of Instruction 322	2
Educational Philosophy 323	2
Evaluation of Secondary Schools 341	2
Technique of Research 425	2
Clinical Psychology 425-426	4
Seminar in Curriculum 427	2
Thesis	2

ELEMENTARY SCHOOL
PRINCIPAL

	Cr. Hrs.
Adv. Educa. Psychology 303	2
Activity School 303	2
Educational Statistics 311	2
Educational Diagnosis 313	2
Psychological Systems 317-318	4
Supervision of Instruction 322	2
Educational Philosophy 323-324	4
Elem. School Admin. 331	2
Technique of Research 425	2
Clinical Psychology 425-426	4
Seminar in Curriculum 427	2
Thesis	2

SCHOOL SUPERINTENDENT

Adult Education 211	2
Guidance 301	2
Adv. Educa. Psychology 303	2
Educational Statistics 311	2
Educational Diagnosis 313	2
Psychological Systems 317-318	4
Second. Sch. Administration 320	2
Public Sch. Administration 321	2
Supervision of Instruction 322	2
Educational Philosophy 323	2
Elem. Sch. Administration 331	2
Technique of Research 425	2
Seminar in Curriculum 427	2
Comparative Education 433	2
Thesis	2

GUIDANCE COUNSELOR

Undergraduate prerequisites:

Educational Psychology 52	3
Educational Tests and Measurements 105	2
Production, Prices, and Income 41	3
Labor Problems 106	3

Recommended courses:

Personnel Management 164	3
Community Organization 206	3
Family 204	3
Adult Education 211	2

Required courses with graduate credit:

Mental Hygiene 207	3
Abnormal Psychology 208	2
Guidance for Elem. Sch. 301	3
Guidance for Sec. Sch. 302	3
Advanced Educa. Psych. 303	2
Educational Statistics 311	2
Educational Diagnosis 313	2
Secondary Sch. Admin. 320	2
Public Sch. Admin. 321	2

SCHOOL PSYCHOLOGIST

Undergraduate prerequisites:

Child Psychology 105	3
Psych. of Adolescence 106	2
Psych. of Delinquency 115	3

Recommended courses:

Speech Sci. and Correct. 172	3
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Required courses with graduate credit:

Mental Hygiene 207	3
Abnormal Psychology 208	2
Technique of Social Case Work 251-252	4
Guidance in Elem. Sch. 301	3
or	
Guidance in the Sec. Sch. 302	3
Advanced Social Psych. 302	2
Advanced Educa. Psych. 303	2
Educational Statistics 311	2
Adv. Educa. Measure. 312	2
Educational Diagnosis 313	2
Psychological Testing 315	2
Clinical Psychology 425, 428	4

SUBJECTS OF INSTRUCTION

An asterisk (*) preceding the course number indicates the course is credited in the Liberal Arts College.

ART

PROFESSOR BARNHARDT, ASSISTANT PROFESSOR CABLE,
MISS RIBLET, MR. HILLBOM, MISS MOCH

121. ART FOR THE GRADES. First semester. 2 credits. Prerequisite, 21.
191. METHODS IN TEACHING ART. Either semester. 3 credits.

Prerequisite, completion of the required course for Art teachers and quality point ratio of 2 in the field.

For other courses in Art see College of Liberal Arts.

COMMERCIAL EDUCATION

PROFESSOR DOUTT, ASSISTANT PROFESSOR FLINT

154. METHODS IN TYPEWRITING AND OFFICE PRACTICE. 2 credits.
Prerequisite, Secretarial Science 74 and a quality point ratio of 2 in the field.

155. METHODS IN SHORTHAND AND TRANSCRIPTION. 2 credits.
Prerequisite, Secretarial Science 63 or 163 and a quality point ratio of 2 in the field.

172. METHODS IN BOOKKEEPING AND GENERAL BUSINESS. 2 credits.
Prerequisite, Accounting 22 or 42, and a quality point ratio of 2 in the field.

- 181-182. METHODS IN DISTRIBUTIVE EDUCATION. 2 credits each semester.
For other courses in Commerce and in Secretarial Science see College of Liberal Arts.

EDUCATION

DEAN DISTAD, PROFESSOR KUHNES,
ASSOCIATE PROFESSORS KEMLER AND RIED, ASSISTANT PROFESSOR FOSTER,
DR. WITZEMAN, MISS KRAUS, MR. WELLNER

GENERAL COLLEGE

41. HANDICRAFTS IN ELEMENTARY SCHOOL. 1 or 2 credits.
Laboratory fee, \$2.
*55. INTRODUCTION TO EDUCATION. Either semester. 3 credits.
*65. EDUCATIONAL SOCIOLOGY. Either semester. 3 credits.
69. INTRODUCTION TO AVIATION. Evening session. 3 credits.
This is an introductory course covering general principles of aviation. Topics include: flight principles, construction and operation of airplanes and airplane engines, flying instruments, and safety devices.
77. SPEECH FOR THE CLASSROOM TEACHER. 3 credits.
83. STORY TELLING. First semester. 3 credits.
84. STORY TELLING. Second semester. 3 credits.
*86. CHILDREN'S LITERATURE. Second semester. 3 credits.

UPPER COLLEGE

101. ACTIVITY SCHOOL. 3 credits.
103. METHODS IN TEACHING HANDWRITING. 1 credit.
*105. EDUCATIONAL TESTS AND MEASUREMENTS. Either semester.
2 credits. Prerequisite, 52. Fee \$2.

113. HIGH SCHOOL METHODS. Either semester. 3 credits.
Prerequisite, Educational Psychology 52 and quality point ratio of 2 in the field.
115. SCHOOL MANAGEMENT AND ADMINISTRATION. Either semester. 2 credits. Accompanies Student Teaching.
120. TECHNIQUE OF CURRICULUM CONSTRUCTION. Second Semester. 2 credits. Prerequisite, a 100 course in Education.
124. STUDENT TEACHING. Either semester. 6 credits. Seniors only.
Prerequisite, Education 113 or equivalent.
131. PRIMARY EDUCATION. First semester. 3 credits.
Prerequisite, quality point ratio of 2 in the field.
132. PRIMARY EDUCATION. Second semester. 3 credits.
Prerequisite, Education 131.
133. SCIENCE FOR ELEMENTARY GRADES. First semester. 3 credits.
Prerequisite, Introductory Course 9-10 and Psychology 52.
135. THE TEACHING OF READING. First semester. 3 credits.
Prerequisite, Psychology 52.
136. THE TEACHING OF ARITHMETIC. Second semester. 2 credits.
Prerequisite, Psychology 52.
137. THE TEACHING OF LANGUAGE ARTS. First semester. 2 credits.
Prerequisite, Psychology 52.
138. THE TEACHING OF SOCIAL STUDIES AND SCIENCE. Second semester. 2 credits. Prerequisite, Psychology 52.
141. THE TEACHING OF SKILL SUBJECTS. 3 credits.
- 151-152. ELEMENTARY EDUCATION. Evening and summer sessions. 6 credits. A refresher course in modern trends and techniques in elementary education.
- *201. PRINCIPLES OF EDUCATION. Either semester. 3 credits.
Prerequisite, the methods course in the field of the major.
211. ADULT EDUCATION. First semester. 2 credits.
Prerequisite, Education and Psychology on 100 level.
235. WORKSHOP (ELEMENTARY SCHOOL). 3 credits.

GRADUATE COURSES IN EDUCATION

DEAN DISTAD, PROFESSOR KUHNES, ASSOCIATE PROFESSOR RIED,
ASSISTANT PROFESSOR FOSTER

Prerequisite to graduate courses in Education: At least 12 hours of undergraduate work in Education or the equivalent, and the Bachelor's degree or equivalent, and the provisional certificate for teaching.

301. GUIDANCE IN THE ELEMENTARY SCHOOL. 2 or 3 credits.
302. GUIDANCE IN THE SECONDARY SCHOOL. 2 or 3 credits.
303. ACTIVITY SCHOOL. 3 credits.
- *311. EDUCATIONAL STATISTICS. First semester. 2 credits.
312. ADVANCED EDUCATIONAL MEASUREMENTS. Second semester. 2 credits. 1941-42 and alternate years.
Fee \$2.00. Prerequisite, Education 311, or Psychology 315.

313. EDUCATIONAL DIAGNOSIS. 2 credits.
 320. SECONDARY SCHOOL ADMINISTRATION. Second semester. 2 credits.
 321. PUBLIC SCHOOL ADMINISTRATION. First semester. 2 credits.
 322. SUPERVISION OF INSTRUCTION. Second semester. 2 credits.
 323-324. EDUCATIONAL PHILOSOPHY. 2 credits.
 331. ELEMENTARY SCHOOL ADMINISTRATION. Second semester.
 2 credits.
 335. WORKSHOP (SECONDARY SCHOOL). 3 credits.
 341. EVALUATION OF SECONDARY SCHOOLS. 2 credits.
 401. GREAT TEACHERS. First semester. 2 credits.
 423. CONCEPT OF MIND IN EDUCATIONAL THEORY. 2 credits.
 425. PRINCIPLES AND TECHNIQUE OF RESEARCH AND INVESTIGATION.
 First semester. 2 credits.
 427. SEMINAR IN CURRICULUM. Second semester. 2 credits.
 431. MODERN TENDENCIES IN EDUCATION. First semester. 2 credits.
 433-434. COMPARATIVE EDUCATION. 2 credits each semester.

GEOGRAPHY

GENERAL COLLEGE

- *71. PRINCIPLES OF GEOGRAPHY. First semester. 3 credits.
 *72. GEOGRAPHY OF NORTH AMERICA. First semester. 3 credits.
 *73. GEOGRAPHY OF SOUTH AMERICA. Second semester. 3 credits.
 *74. GEOGRAPHY OF EUROPE. Second semester. 3 credits.
 *75. WORLD GEOGRAPHY. Second semester. 3 credits.

In this course a general study is made of the effects of geographical environment upon the human response of people living in Africa, Malaysian Lands, India, China, Japan, Russia, South America, Caribbean Lands, The United States, and Western Europe.

76. METEOROLOGY. Evening session. 2 credits.

A first course covering the composition and properties of the atmosphere, causes of clouds and cloud types, variations of temperature and their effects, circulation of air, air masses, fronts, and disturbances, weather reports, weather maps, and weather forecasts.

HOME ECONOMICS

See under Home Economics in the College of Liberal Arts.

KINDERGARTEN-PRIMARY EDUCATION

ASSOCIATE PROFESSOR KEMLER

UPPER COLLEGE

126. PLAY MATERIALS. First semester. 1 or 2 credits. Fee, \$1.
 127-128. KINDERGARTEN-PRIMARY METHODS. 3 credits each semester.
 131-132. DALCROZE EURYTHMICS. 1 credit each semester.

Offered in Evening and Summer sessions.

MUSIC EDUCATION

PROFESSOR GROSS, ASSOCIATE PROFESSOR ENDE, MISS RIDER, MR. STEIN, MR. LIGHTFRITZ,
MR. WHEELER, MR. FUNKHOUSER, MR. FRENCH,
MR. CAMPBELL, MRS. VAN SICKLE

121. PRIMARY MUSIC EDUCATION. 2 credits.
Methods of music teaching in the kindergarten to the third grade inclusive.
122. ELEMENTARY MUSIC EDUCATION. 2 credits.
The change of methods in teaching music from the fourth to the sixth grades, inclusive. The materials presented in Primary Music Education will be reviewed.
123. SECONDARY MUSIC EDUCATION. 2 credits.
The procedures that should be employed to give the adolescent a well-balanced participation in applied and theoretical music.
124. PSYCHOLOGY OF MUSIC EDUCATION. 2 credits.
The basic motivations of music education. The psychological factors in gaining these musical dispositions are examined.
128. ADMINISTRATIVE PROBLEMS. 2 credits.
The academic, economic, social, and professional problems that confront every music teacher. A summary is made of the contributions which have appeared in the professional journals.

PHYSICAL EDUCATION

PROFESSOR SEPTON, ASSOCIATE PROFESSOR SMITH, ASSISTANT PROFESSORS BEICHLY,
LOCKE, HUBBARD, AND BALDACCI, MR. KRINO, MISS BYRNE

GENERAL COLLEGE

- 45-46. BASIC COURSE IN PHYSICAL EDUCATION PRACTICE. 3 credits each semester.
Course includes the following sections: For men—12 sections. For Women—sections I to XVI inclusive. This course is prerequisite to all upper college courses in the department.
- *17-18. HYGIENE, PHYSICAL AND MENTAL.
Students majoring in Physical Education must take all sections during the first two years as a part of Physical Education, 45-46.

MEN

Every man in the freshman classes must enroll for two two-hour periods of Physical Fitness for which two credit hours will be given. Men students who have already completed a year of Hygiene must enroll in at least one two-hour period per week and maintain a satisfactory state of physical fitness. One credit per semester.

The swimming class should be included in the schedule of men who need to meet that requirement. There is an additional fee for swimming.

*Replaces course 15-16 as a war-time emergency measure for the duration.

WOMEN

- I Folk and National Dancing (first semester) 1 credit.
- II American Square Dancing (second semester) 1 credit.
- III Danish Gymnastics (first semester) 1 credit.
- IV Tumbling, Stunts, and Apparatus (second semester) 1 credit.
- V-VI Team Sports—Baseball, Hockey, Volley Ball, Basketball, Speedball (each semester) 1 credit.
- VII Beginning Swimming (first semester) 1 credit.
- VIII Intermediate Swimming (second semester) 1 credit.
- IX Advanced Swimming and Life Saving (second semester) 1 credit. (Permission of instructor.)
- X-XI Modern Dance (either semester) 1 credit.
- XII-XIII Individual and Leisure Time Sports—Archery, Badminton, Table Tennis, Paddle Tennis, Deck Tennis, Tennis, Bowling 1 credit.
- XIV Remedial Gymnastics (first semester) 1 credit.
- XV Basic Rhythms (first semester) 1 credit.
- XVI Motor Skills (first semester) 1 credit.

UPPER COLLEGE

- 103. THEORY AND PRACTICE OF PHYSICAL EDUCATION (for women).
First semester. 3 credits.
- 103-104. THEORY AND PRACTICE OF PHYSICAL EDUCATION (for men).
2 credits each semester.
- 105-106. THEORY AND PRACTICE OF ATHLETICS. 2 credits for men each semester. 3 credits for women each semester.
- 108. THEORY AND PRACTICE OF DANCING. Second semester. 3 credits.
- 111. FIRST AID. First semester. 1 credit.
- 112. MASSAGE. Second semester. 1 credit.
- 114. THEORY AND PRACTICE OF SWIMMING. Second semester. 2 credits.
Prerequisite, Hygiene Swimming Lab.
- 115. NORMAL DIAGNOSIS AND INDIVIDUAL CORRECTIVE GYMNASTICS AND CORRECTIVE EXERCISE. 2 credits.
- 118. SCHOOL HEALTH AND HEALTH PROBLEMS. 2 credits.
- 121-122. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION.
2 credits each semester.
- 124. KINESIOLOGY. 2 credits.
- 125. METHODS IN PHYSICAL EDUCATION. 2 credits.
- 127. ANATOMY. 3 credits.
- 128. PHYSIOLOGY. 3 credits.
- 131. HYGIENE AND HEALTH ACTIVITIES FOR ELEMENTARY GRADES.
2 credits.
- 132. GAMES FOR ELEMENTARY GRADES. 1 credit.
131 and 132 will ordinarily be taken together.
- 169. ORGANIZATION AND ADMINISTRATION OF INDUSTRIAL RECREATION.
2 credits.
- 170. ORGANIZATION AND ADMINISTRATION OF MUNICIPAL RECREATION.
2 credits.

PSYCHOLOGY

PROFESSOR HAYES, ASSISTANT PROFESSOR TWINING

GENERAL COLLEGE***41. GENERAL PSYCHOLOGY. Either semester. 3 credits.**

An introduction to the fundamental facts and principles which have resulted from scientific studies of normal human behavior. Such basic topics as sensation, attention and perception, learning, motivation, emotion, thinking, intelligence, and personality are treated.

***42. APPLIED PSYCHOLOGY. Either semester. 3 credits.**

Introductory survey of techniques used and results obtained by applied psychologists in their analyses of social and economic life. Such areas as business, education, clinical studies, home, industry, law and criminology, medicine, personnel problems, social change, and vocation are included.

51. PSYCHOLOGY FOR NURSES. 2 credits.

Designed to prepare prospective nurses to meet the psychological problems that will appear in their profession. The material covered will be the applications of psychology to specific hospital situations and public health nursing.

***52. EDUCATIONAL PSYCHOLOGY. Either semester. 3 credits.**

Designed to prepare the prospective teacher or supervisor to guide the all-round development of his students more efficiently. Concepts of growth, learning, adjustment, and individual differences are stressed. Some opportunity for the observation and study of children.

62. BUSINESS PSYCHOLOGY. Second semester. 3 credits.

Specialized study of the development of psychological services to business and industry. Effective psychological principles for securing best results in employment situations; emphasis on efficiency and wholesome adjustment; treatment of industrial problems, and advertising and selling relationships.

UPPER COLLEGE***105. CHILD PSYCHOLOGY. First semester. 3 credits.**

Prerequisite, 52.

***106. PSYCHOLOGY OF ADOLESCENCE. Second semester. 2 credits.**

Prerequisite, 52.

111-112-113-114. EXPERIMENTAL PSYCHOLOGY. 1 credit each semester. Prerequisite, 42 or 52.*115. PSYCHOLOGY OF DELINQUENCY. 2 credits.*****207. MENTAL HYGIENE. First semester. 3 credits.*****208. ABNORMAL PSYCHOLOGY. First semester. 2 credits.**

Prerequisite, a course at the 100 level.

209. SOCIAL PSYCHOLOGY. Second semester. 3 credits.**210. GENETIC PSYCHOLOGY. First semester. 3 credits.**

GRADUATE COURSES IN PSYCHOLOGY

The prerequisite for graduate psychology courses is graduate standing or twelve credit hours of psychology for seniors who may be admitted to psychology courses at the 300 level.

- *302. ADVANCED SOCIAL PSYCHOLOGY. Second semester. 2 credits.
- 303. ADVANCED EDUCATIONAL PSYCHOLOGY. First semester. 2 credits.
- 308. PSYCHOLOGY OF CHILD DEVELOPMENT. 2 credits.
- 315. PSYCHOLOGICAL TESTING. 2 credits. Fee, \$1.
- 316. HISTORY OF PSYCHOLOGICAL THOUGHT. First semester. 2 credits.
- 317-318. PSYCHOLOGICAL SYSTEMS. 2 credits each semester.
- 425-426. CLINICAL PSYCHOLOGY. 2 credits each semester.
Laboratory fee, \$2 a semester.
- 436. RESEARCH PROBLEM. Credit by arrangement.

This course is open to graduate students and is in addition to the thesis. Only those who have received permission from their major professor and the Dean, and whose problem is approved, may receive credit. Fee, \$5 per credit hour.

VOCATIONAL EDUCATION

ASSOCIATE PROFESSOR DOWNING, MR. MASON, MISS HAMILTON

Courses 101 to 106 inclusive are required for both the degree and state certification.

- 100. INTRODUCTION TO VOCATIONAL EDUCATION. 1 credit.
A general pre-service course presented with the aim of furnishing immediate practical information for the beginning teacher.
- 101. TRADE AND JOB ANALYSIS. 2 credits.
- 102. ORGANIZATION OF INSTRUCTION MATERIAL. 2 credits.
- 103. METHODS OF TEACHING OCCUPATIONAL SUBJECTS. 2 credits.
- 104. VOCATIONAL TESTS AND MEASUREMENTS. 2 credits.
- 105. SHOP MANAGEMENT. 2 credits.
- 106. CONFERENCE METHOD OF TEACHING. 2 credits.
- 107. EDUCATIONAL AND VOCATIONAL GUIDANCE. 2 credits.
- 108. HISTORY AND PHILOSOPHY OF VOCATIONAL EDUCATION. 2 credits.
- 109. ORGANIZATION AND ADMINISTRATION OF VOCATIONAL EDUCATION.
2 credits.
- 110. PSYCHOLOGY APPLIED TO OCCUPATIONAL TEACHING. 2 credits.
Attention is directed toward a better understanding of the fundamental laws of learning and their application in mastering a trade together with its related science, mathematics, blue print reading, etc.
- 111. INDUSTRIAL RELATIONS. 2 credits.

This course is intended to point the way toward a better understanding of labor adjustments, personnel problems, and industrial psychology. Some of the basic underlying philosophy is given consideration.

GRADUATE STUDY

CHARLES BULGER, PH.D., *Dean*

In certain colleges and departments opportunity is offered properly qualified persons to study for the master's degree. In some of the departments graduate courses given in connection with the work in Adult Education have been arranged on a rotating plan to enable candidates to meet the requirements for a major or a minor.

Courses for graduate credit may be taken in the following departments:

English	Biology
Speech	Chemistry
Commerce	Mathematics
Economics	Physics
History	Education
Political Science	Psychology
Sociology	

It is planned that each of these departments will offer sufficient courses to enable students to complete a major or minor for a master's degree. Graduate courses are offered in rotation over a period of three to five years.

For details as to the actual courses offered, refer to the various colleges and departments.

Graduate work is characterized by quality as well as quantity. The degree is granted on the basis of a high level of attainment in a certain field rather than for the collection of a specified number of credit hours.

Attainment is to be judged by (1) the thoroughness of the candidate's acquaintance with his field, (2) his knowledge of the methodology of his field, and (3) his initiative and independence.

The applicant for admission to graduate study must satisfy the Admissions Committee that all required secondary school and college credits have been secured and that the candidate has received a bachelor's degree from a college of recognized standing. A transcript must be sent to the Registrar by the institution from which the applicant obtained his bachelor's degree. The Committee on Graduate Study reserves the right to require any applicant for graduate work to prove that he has a satisfactory background for such work by taking and passing such examination or examinations as the Committee may prescribe.

Total credit of 26 to 30 semester hours, including a thesis, is required of all candidates; 20 to 24 semester hours of this work must be done at the University of Akron. If both major and minor are laboratory sciences, the total credit required is 26 hours; if either major or minor is a laboratory science, the total credit required is

28; if neither major nor minor is a laboratory science, the requirement is 30 hours. The writing of a thesis is a requirement for the degree. Four hours of credit may be granted for the thesis. No work done more than five years previous to the date of granting the degree will be accepted in fulfilling the semester hour requirement. Six hours of graduate work may be done at another college subsequent to matriculation at the University of Akron. Graduate work done elsewhere previous to matriculation at the University of Akron will not be accepted.

No graduate credit will be granted for courses numbered under 200. Courses numbered 200-299 are primarily of senior (undergraduate) rank, and graduate credit may be established for these courses only when a greater amount and a higher quality of work is done than is required of the undergraduate students. Courses numbered 300-399 are primarily graduate courses to which a very few undergraduates who have shown unusual ability may be admitted. Courses numbered 400-499 are graduate courses for which the prerequisite is a bachelor's degree.

For courses in the 300 and 400 series no credit toward the master's degree will be allowed for work which receives the grade of D and not more than six hours of credit for work which receives a grade of C.

Choice of the major and the minor must have the approval of the Committee on Graduate Study. The minor may be elected in a college or division or department other than that in which the major is taken.

The thesis must have the approval of each member of the Thesis Committee. The thesis topic must be selected by November 1 of the academic year in which the student expects to graduate. Two copies of the thesis must be presented to the Dean of Graduate Study one month before the Commencement at which the candidate receives his degree; both copies shall be placed in the library.

Not later than one semester previous to the period at which the work for the degree will presumably be finished, the student must file with the Registrar a notice of intention to apply for the degree.

The thesis and all requirements for the master's degree must be completed within one year after the major or minor examination has been passed.

The following fees must be paid at the time application for the degree is filed:

Master's degree	\$10.00
Thesis fee	\$10.00
Binding fee, approximately, a volume.....	\$ 1.15

Each candidate must pass final written and oral examinations covering the major and minor fields.

SUMMER SESSION

LESLIE P. HARDY, M. S. Ed., *Director*

The Summer Session of 1943 is the second year of a continuous program of University work. This acceleration of activities was instituted in order that the University might adequately perform its functions in preparing men for war time activities and especially to enable those in technical curricula to meet in a shorter time the urgent need for trained men. By attending on a full time basis throughout the summer, it is possible for the student to finish the normal four year course in three full years of study. There is also the customary six-week summer term in connection with the longer session for the benefit of teachers and others who are unable to attend the longer session.

The twenty-second annual Summer Session begins Monday, June 14, and closes Friday, September 3.

ADMISSION REQUIREMENTS

The admission of any student to the University of Akron will depend upon the evidences of his preparation and ability to do college work in a satisfactory manner. The evidences are: (1) graduation from an accredited four-year secondary school or its equivalent; (2) quality of the work done in the secondary school; (3) ranking in certain tests given by the University to determine preparation, ability, and aptitudes; (4) attitude toward college work.

Admission examinations for entering freshmen will be held on Friday, June 11, and Saturday June 12. Attendance at all periods is required.

Students from other colleges should present a statement of good standing from the registrar of the institution last attended.

EVENING CLASSES

An extensive program of classes both on the six-week plan and on the twelve-week semester plan is scheduled for those who work during the day. This program also permits the student working morning hours or late night hours to plan a schedule from the day and evening classes.

SPECIAL STUDENTS

Students of maturity, over 21 years of age, who have not graduated from high school, may be admitted to certain courses upon presentation of sufficient evidence of preparation, aptitude, ability, and interest. These students are known as special students, and work taken by them does not count toward a degree until entrance requirements are met.

REGISTRATION

Registration for the 1943 Summer Session will be held in Buchtel Hall, Friday and Saturday, June 11 and 12. Any person registering after June 12 will be charged a late registration fee of \$5. Late registrants should report to the office of the Director.

All fees, including tuition and laboratory fees, must be paid to the Treasurer of the University as a part of registration. Registration and payment of fees should be made in person on June 11 or 12, or by mail before these dates.

FEES

All fees are payable at the Treasurer's office before the student enters classes. A plan of deferred payments may be made with students who establish satisfactory credit arrangements. There is a small carrying charge for this service.

THE SIX-WEEK TERMS

Maintenance fee:	
1 to 4 credit hours, per credit hour	\$ 6.00
5 or 6 credit hours*	25.00
Student Activity Fee	1.00
Student Building Fee .....	.50
Late Fee (applied after June 15)	5.00

*For hours in excess of a six-hour load \$6.00 per credit hour is charged not subject to refund.

THE TWELVE-WEEK SESSION

Maintenance fee:	
1 to 5 credit hours, per credit hour	\$ 6.00
6 or more credit hours	35.00
Library Fee	1.00
Student Activity Fee	1.50
Student Building Fee	1.00
Late Fee	5.00
Non-resident Tuition Fee, per credit hour	6.00

Non-resident students who have been enrolled for the first Six-week Term and who register for the second Six-week Term will be charged on the basis of the schedule of charges that apply to enrolment for the Twelve-week Session.

APPOINTMENT BUREAU

The Dean of the College of Education is chairman of the Appointment Bureau for Teachers. Summer Session students may enroll for appointment without extra fee.

STUDENT TEACHING

Student teaching will be done in the Akron and Barberton public schools. All requests for student teaching must be made to the Dean of the College of Education before May 15 with the understanding that those first enrolled will be assigned first. Notification will be given early in June. A deposit of \$10 is required with each formal application for student teaching.

CERTIFICATION

Teachers who are planning the completion of courses for state certificates may complete this work in summer sessions at the University of Akron and in addition receive college credit toward a

degree. Many subjects taught in the summer session are also credited toward degrees in the other colleges of the University.

Students who expect to complete the requirements at the close of the 1943 Summer Session for diplomas should file application in the registrar's office the first week of the Summer Session. A fee of \$2 will be charged. Those expecting to receive a degree at the end of the Summer Session must pay a \$5 fee.

HIGH SCHOOL CERTIFICATES

One who has trained in a special field and wishes to qualify for the high school four-year provisional certificate must, in addition to the professional courses required for the special certificate, possess the following credits:

Organization and management in the academic field..2 semester hrs.
 Special methods in an academic major or minor2 semester hrs.
 Student teaching in the high school academic field....2 semester hrs.

ELEMENTARY SCHOOL CERTIFICATES

In view of the fact that many who train for secondary work may wish later to go into elementary teaching, the following work in the elementary field is prescribed, as additional to that necessary for a high school provisional certificate, in order to obtain an elementary provisional certificate:

Special Methods in three elementary subjects,
 one of which must be reading 6 semester hours
 Practice teaching in the elementary field.. 2 semester hours
 Music in the grades 2 semester hours
 Art in the grades 2 semester hours
 Health Education in the grades 2 semester hours

GRADUATE STUDY

The Summer Session program offers opportunity for study on the graduate level. Students interested in graduate courses for advanced study should confer with the instructors in their specialized fields and with the Dean of Graduate Study if they wish to be candidates for the Master's degree.

Graduate work is offered in the following departments: Commerce, Economics, Education, English, History, Mathematics, Psychology, Sociology and Speech.

ELEMENTARY SCHOOL WORKSHOP

The Elementary School Workshop offers to teachers an opportunity to study, observe and experience an integrated educational program. Basic subjects will be selected from the regular program and the observation will be provided in the demonstration school. The experience phase will be secured in the afternoon workshop classes for the teachers. Group activities, conferences and assemblies will be conducted to further the work and the experience given in the class room.

COOPERATIVE ENGINEERING PROGRAM

The Engineering College of the University of Akron is cooperating with the Goodyear Aircraft Corporation in preparing both men and women for engineering work at the Goodyear plant. This cooperative plan affords opportunity for the student to secure a two-year certificate or with sufficient time and training a degree in engineering.

While this program is designed primarily for the Goodyear Aircraft Corporation, any student is eligible to enter the cooperative program. Requirement for admission is graduation from an accredited four-year high school. It is advisable that the student have one and one-half years of high school mathematics. Students will work during the summer and enroll for classes in September.

NURSES TRAINING PROGRAM

Although this program is planned in cooperation with the City Hospital, Peoples Hospital, and St. Thomas Hospital, specifically to serve the local hospitals, the courses all carry college credit and are scheduled as an integral part of the Summer Session program.

Students may secure additional information from the training director of the hospital of their choice or the Summer Session Office.

All applications for admission will be handled through the hospital training directors.

Prerequisites for admission are as follows:

A certificate of preliminary education secured from the Ohio State Nurses' Board which must be filed by each prospective candidate for the individual schools of nursing at one of the three hospitals.

This certificate is issued on the basis of graduation from a high school of the first grade. The minimum requirements for entrance to an accredited school of nursing in the State of Ohio are stated as follows: English, three units; Mathematics, one unit; Social Studies, two units (One unit to include American history and government); Science with Laboratory, two units (Chemistry is recommended but not demanded).

1943 CLASS SCHEDULE

Classes marked with an asterisk (*) meet in the evening.

Terms or session are indicated in the first column as follows:

- 12 Class continues for full 12 weeks
 6 Class meets first 6 weeks only
 6-6 Class can be taken either first 6 weeks, continue through 12 weeks,
 or be taken last 6 weeks if student has had the first 6 weeks of
 work previously.
 6 Class meets second 6 weeks only.

Session	Course	Pre. Cr.	Days	Time	Instructor
ART					
12	Structural Art 21	2	M.T.Th.F.	7:30-8:40	Cable
6	Art Appreciation 30	2	M.T.Th.F.	7:30-8:40	Barnhardt
12	Industrial Design 43	2	M.T.Th.F.	10:10-11:20	Barnhardt
6	Still Life 47	2	M.T.Th.F.	1:00-2:20	Barnhardt
12	Crafts (Occ. Therapy) 101.....	2	M.T.Th.F.	10:10-11:20	Cable
12	Weaving 106	2	M.Th.	1:00-3:40	Cable
12	History of Art 202	3	M.T.Th.	8:50-10:00	Barnhardt
*12	Drawing and Rendering 45.....	2	M.T.Th.	6:20-8:10	Cable
BIOLOGY					
6-6	Zoology 61-62	8	M.T.Th.F.	10:10-11:20	Kraatz-
	and lab		M.T.Th.F.	1:30-4:30	Robinson
12	Entomology 144	4	M.W.F.	11:30-12:40	Kraatz-
	and lab		M.W.	1:00-4:00	
CHEMISTRY					
6-6	Chemistry (General) 21-22.....	8	M.T.Th.F.	7:30-8:40	
	and lab		M.T.Th.F.	1:00-3:30	Dreisbach
12	Chemistry (Qual. Anal.) 43.....	22	M.W.F.	7:30-8:40	
	and lab		M.W.F.	8:50-11:20	Floutz
12	Chem. (Organic) 44	22	T.Th.	7:30-8:40	
	and lab		T.Th.	8:50-11:20	Floutz
6-6	Chem. (Quantitative) 105-106.....	43	M.T.Th.F.	7:30-11:30	
	and lab		and M.F.	1:00-3:30	Wolfe
*12	Polymers & Polymerization 229.....				
	106-108	2	T.	6:40-9:00	Whitby
COMMERCE					
12	Accounting 41	3	M.W.F.	1:00-2:10	
12	Accounting 43	22	M.W.F.	8:50-10:00	
12	Cost Accounting 127	44	M.W.F.	10:10-11:30	
12	Tax Accounting 233	44	T.Th.S.	8:50-10:00	
12	Business Administration 61.....	3	M.W.F.	10:10-11:20	
12	Business Law 142	3	T.Th.S.	10:10-11:20	
12	Statistics 147	3	T.Th.S.	11:30-12:40	
12	Financial Problems 279	3	M.W.F.	10:10-11:20	
*12	Accounting 21	3	M.W.Th.	6:40-7:50	
*12	Accounting 22	3	M.W.Th.	8:00-9:50	
ECONOMICS					
6	Current Economic Problems 42	3	Daily	8:50-10:00	
12	Money & Banking 48	41	T.Th.F.	7:30-8:40	
12	Comparative Economics 210.....	3	T.Th.F.	11:30-12:40	
*6	Economics of War 112	41	T.Th.	8:00-9:40	
*6	Economic Cycles 291	41	T.Th.	8:00-9:40	
EDUCATION					
6	Handicrafts 41	1-2-3	Daily	8:00-12:00	Kraus
12	Introduction to Education 55.....	3	T.Th.S.	7:30-8:40	Kuhnes
6	Introduction to Aviation 69.....	3	Daily	11:30-12:40	
12	Geography of Europe 69	3	M.W.F.	7:30-8:40	Foster
6	Children's Literature 86	3	Daily	10:10-11:20	Kemler
6	Educa. Tests & Meas. 105.....	2	M.T.Th.F.	10:10-11:20	Distad
12	High School Methods 113.....	3	M.W.F.	8:50-10:00	Kuhnes
6	School Management 115	2	Daily	2:20-3:30	Ried
6	Observation	1	To be arranged		Kemler
6	Student Teaching 124	4-6	To be arranged	(Daily)	Ried
6	Science in the Ele. Grades 133	3	Daily	8:50-10:10	Foster
6	Teaching of Reading 135.....	3	Daily	10:10-12:40	Witzeman
6	Techniques of Arithmetic 136.....	2	M.T.Th.F.	8:50-10:00	Distad
6	Teaching of Social Studies 138	2	M.T.Th.F.	8:50-10:00	Distad
6	Activity School 101	3	Daily	7:30-8:40	Kemler
6	Elementary Education 152.....	6	Daily	7:30-8:40	Kemler
12	Principles of Education 201.....	3	M.W.F.	1:00-2:10	Kuhnes
6	Adult Education 211	2	M.T.Th.F.	8:50-10:00	Hardy

Session	Course	Pre. Cr.	Days	Time	Instructor	
GRADUATE EDUCATION						
6	Techniques of Research 425.....	2	M.T.Th.F.	11:30-12:40	Foster	
6	Comparative Education 433.....	2	M.T.Th.F.	10:10-11:30	Kuhnes	
6	Guidance in Sec. Schs. 302.....	2	M.T.Th.F.	8:50-10:10	Ried	
6	Educational Statistics 311.....	2	M.T.Th.F.	11:30-12:40	Foster	
ENGINEERING						
12	Engineering Drawing 21	2	M.W.F.	1:00- 3:30	Wilson	
12	Engineering 22	21	M.W.F.	1:00- 3:30	Wilson	
12	Surveying 21-22	2	T.Th.	1:00- 4:00		
12	Bus. & Prof. Speaking 47.....	2	T.Th.	8:50-10:10		
12	Shop Practice 49	2	M.W.	1:00- 5:00	McClure	
6-6	English 51-52	2	M.W.	10:10-11:20	Raw	
12	Roofs & Bridges 105	C-109	M.W.F.	11:30-12:40	Boguslavsky	
12	Roofs and Bridges 113	3	M.W.F.	11:30-12:40	Boguslavsky	
12	Highways 107	3	M.Th.F.	2:30- 3:40	Boguslavsky	
12	Concrete Lab. 112	1	T.	2:00- 5:00	Boguslavsky	
6-6	Strength of Materials 117-118.CE-46	3	T.Th.	11:30-12:40		
	and lab		W.	2:00- 5:00	Boguslavsky	
12	Ele. of Elec. Engr. 124	EE-123	3	T.Th.	8:50-10:10	
	and lab		T.	1:00- 4:00	Fairburn	
6-6	A. C. Circuits 130-131	EE-124	3	M.W.F.	7:30- 8:40	Smith
12	Aerodynamics 165	3	T.Th.S.	8:50-10:00	Chilton	
12	Mechanism 172	3	T.Th.S.	10:10-11:30	Wilson	
12	Mechanism Drawing 174	SE-110	1	Th.	1:00- 4:00	Wilson
12	Machine Design 178	CE-118	3	M.W.F.	10:10-11:30	Wilson
12	Mech. Eng. Lab. 182	2	M.W.	1:00- 3:30	Upp	
12	Hydraulics 184	Calc. 46	3	M.W.F.	8:50-10:00	Griffin
6-6	Engineering Math. 213-214.Calc. 46	2	M.W.	1:00- 2:10		
6	Optics 53-1	2	M.W.Th.	1:00- 2:10		
	and lab		M.	2:20- 4:20		
12	Electrical Measurements 149.EE-124	3	T.Th.	7:30- 8:40	Smith	
	and lab		T.Th.	10:10-11:20	Smith	
12	Electron Tube Application					
	152	EE-151	2	T.	1:00- 4:50	Smith
12	Airplane Design 179	ME-165	3	T.Th.S.	10:10-11:20	Chilton
12	Advanced A. C. Mach. 172	EE-170	3	M.W.F.	7:30- 8:40	Fairburn
12	A. C. Mach. Lab. 173	EE-171	2	Th.	1:00- 4:50	Fairburn
12	Machine Design 179	ME-178	5	M.W.F.	10:10-11:20	
	and lab		M.W.	1:00- 5:30		
12	Steam Power Plants 186	EE-188	3	M.W.F.	10:10-11:20	Upp
	and lab		M.W.	1:00- 5:30		
12	Steam Power Plants 185	3	T.Th.S.	10:10-11:20	Upp	
12	Gas & Oil Engines 190	ME-189	3	M.W.F.	7:30- 8:40	Upp
12	Spec. Mach. Engr. Probs. 194	3	T.Th.	1:00- 3:30	Upp	
*12	Engineering Drawing 21	2	M.W.F.	6:40- 9:00		
*12	Engineering Drawing 22	21	2	M.W.F.	6:40- 9:00	
*6	Job Analysis	2	T.Th.	6:40- 9:00	McClure	
ENGLISH						
12	English, 1a	3	M.W.F.	11:30-12:40	Staff	
12	English 1b	3	T.Th.S.	11:30-12:40	Staff	
12	English 2	1	3	M.W.F.	11:30-12:40	Staff
12	Appreciation of Poetry 46	2	3	M.W.F.	11:30-12:40	Roberts
12	American Literature 48	2	3	T.Th.S.	8:50- 9:40	Pease
12	Literature 109	2	3	T.Th.S.	10:10-11:30	Hamilton
HISTORY						
6	Modern European History 45.....	3	Daily	10:10-11:20	Baldwin	
12	English History 151	3	T.Th.F.	8:50-10:10	Baldwin	
12	Recent European History 246.....	3	M.W.F.	8:50-10:10	Baldwin	
*12	American History 42	3	M.W.Th.	8:00- 9:10	Caine	
HOME ECONOMICS						
6	Textiles 21	3	Daily	1:00- 2:25	Lathrop	
6	Clothing 22	3	Daily	10:10-12:40	Lathrop	
12	General Foods 45	3	T.F.S.	10:10-12:40	Wilson	
12	Child Development 125.....	3	T.Th.S.	8:50-10:00	Wilson	
6	House Furnishings 118.....	3	Daily	8:50-10:00	Lathrop	
12	Quantity Cookery 216	3	To be arranged		Wilson	
INTRODUCTORY COURSES						
12	Intro. to Social Sciences 5	3	T.Th.S.	10:10-11:50	Sherman	
12	Intro. to Humanities 8	1	3	M.W.F.	8:50-10:00	Keister
12	Hygiene, Physical 18 (Men).....	1	T.	8:50-10:00	Smith	
12	Hygiene, Physical 18 (Women)	2	T.Th.	8:50-10:00	Smith	
*12	Intro. to Social Sciences 5.....	3	M.W.Th.	8:00- 9:10	Sherman	
*12	Intro. to Natural Sciences 10.....	3	M.W.Th.	6:40- 7:50	Jones	

Session	Course	Pre. Cr.	Days	Time	Instructor
JOURNALISM					
12	News Writing 52	3	M.W.F.	7:30- 8:50	Vance
12	Editing 153	2	W.F.	8:50-10:00	Vance
12	Feature Writing 56	2	T.Th.	10:10-11:20	Vance
LATIN AND GREEK					
6	Classical Mythology 99	3	Daily	11:30-12:40	Young
6	Greek Masterpieces 149	2	M.T.Th.F.	8:50-10:00	Young
MATHEMATICS					
12	Algebra 21a	3	M.W.F.	7:30- 8:40	Staff
12	Algebra 21b	3	T.Th.S.	8:50-10:00	Staff
12	Trigonometry 22	3	M.W.F.	8:50-10:00	Staff
12	Analytics 43	22 4	M.W.F.	10:10-11:20	Staff
12	Calculus 45	22 3	M.W.F.	11:30-12:40	Staff
12	Calculus 46	45 3	M.W.F.	8:50-10:00	Staff
*12	Algebra 21	3	M.W.F.	8:00- 9:10	Staff
12	Analytics 43	22 3	M.W.F.	1:00- 2:10	
12	Calculus 45	22 3	M.W.F.	2:20- 3:30	
*12	Trigonometry 22	22 3	M.W.F.	6:40- 7:50	Staff
*6-6	Differential Equations 203-204	4	T.Th.	6:40- 9:10	
MILITARY TRAINING					
12	R O T C 11A	1 1/2	M.W.F.	3:40- 5:00	Jacoby
12	R O T C 11B	1 1/2	T.Th.S.	7:20- 8:40	Jacoby
12	R O T C 43A	1 1/2	M.W.F.	7:20- 8:40	Foster
12	R O T C 43B	1 1/2	T.Th.F.	3:40- 5:00	Foster
12	R O T C 44A	1 1/2	T.Th.S.	7:20- 8:40	Logan
12	R O T C 44B	1 1/2	M.W.F.	3:40- 5:00	Logan
MODERN LANGUAGES					
6	Beginning Spanish 21	4	Daily	10:10-12:50	
12	Spanish 22	21 4	M.T.Th.F.	7:30- 8:40	Internoscia
12	Spanish 43	22 3	M.T.Th.	8:50-10:10	Internoscia
6	French 43	22 3	Daily	7:30- 8:40	Reed
12	German 43	22 3	M.W.F.	8:50-10:10	Bulger
MUSIC					
6	Music Orientation 41	2	M.T.Th.F.	7:30- 8:40	Ende
6	Art of Music (Appreciation) 22	21 2	M.T.Th.F.	7:30- 8:40	Ende
12	Music Theory (Harmony) 41	21 5	M.T.Th.F.	8:50-10:00	Ende
6	Primary Music Educa. 121	2	M.T.Th.F.	1:00- 2:20	Gross
6	Elementary Music Educa. 122	2	M.T.Th.F.	1:00- 2:20	Gross
6	Eurythmics 131	1	M.W.F.	11:30-12:40	
12	Research (Phil. of Music) 201	2	T.Th.	2:20- 3:30	Gross
12	Private Lessons	1 or 2	To be arranged		
Piano, Organ, Voice, Violin, Woodwind and Bass Instruments					
12	Chorus	1	M.	2:20- 3:30	Gross
12	University Singers	1	W.	2:20- 3:30	Gross
12	Orchestra	1	T.	2:20- 3:40	Gross
PHILOSOPHY					
6	Intro. to Philosophy 53	3	Daily	10:10-11:30	Wood
6	Logic 104	55 3	Daily	11:30-12:40	Wood
6	Fields of Philosophy 56	55 3	Daily	11:30-12:40	Wood
6	Phil. of Religion 106	55 3	Daily	10:10-11:20	Wood
PHYSICAL EDUCATION					
12	Org. & Adm. of Phys. Ed. 121	2	T.Th.	7:30- 8:40	Sefton
6-6	Theory & Pct. 105 103 (Women)	3	Daily	8:50-10:00	
6	Massage 112 (Men & Women)	1	M.W.	10:10-11:20	Smith-Locke
6	Adv. Swimming (Men and Women) 114	2	M.W.	1:00- 2:10	Smith-Locke
6	Hygiene & Health Activities 131 and Games for Ele. Schools 132	3	Daily	10:10-11:20	Locke
12	Hygiene Lab. (Men)	2	T.Th.	1:00- 3:20	Staff
12	Hygiene Lab. (Women)	1	M.	7:30- 8:40	Staff
PHYSICS					
12	Physics 21	4	T.Th.	8:50-10:00	
	and lab		T.Th.	10:10-12:40	Householder
12	Physics 22	21 4	M.W.	8:50-10:00	
	and lab		M.W.	10:00-12:40	Householder
12	Physics 43	22 4	M.W.F.	7:30- 8:40	
	and lab		To be arranged		Fouts
12	Physics 44	43 4	T.Th.S.	7:30- 8:40	
	and lab		To be arranged		Fouts
POLITICAL SCIENCE					
6	American Government 41	3	Daily	8:50-10:00	King
12	American Diplomacy 44	3	M.W.F.	10:10-11:20	King
12	Government & Business 110	3	M.W.F.	1:00- 2:10	

Session	Course	Pre. Cr.	Days	Time	Instructor	
PSYCHOLOGY						
12	General Psychology 41	3	T.Th.S.	10:10-11:20	Twining	
12	Applied Psychology 42	41 3	T.Th.S.	8:50-10:00	Hayes	
12	Educational Psychology 52	41 3	M.W.F.	8:50-10:00	Twining	
12	Child Psychology 105	52 3	M.W.F.	10:10-11:20	Hayes	
GRADUATE PSYCHOLOGY						
6	Psychological Testing 315	2	M.T.Th.F.	7:30- 9:40	Twining	
6	Abnormal Psychology 208	2	M.T.Th.F.	7:30- 8:40		
Evening Psychology Classes						
*12	General Psychology 41	3	M.W.Th.	6:40- 7:50	Twining	
*12	Applied Psychology 42	41 3	M.W.Th.	6:40- 7:50	Hayes	
SECRETARIAL SCIENCE						
12	Mach. & Slide Rule, Calc. 25..	1	M.W.	1:00- 2:10	Doutt	
12	Filing & Mach. Calc. 26	3	M.T.Th.F.	11:30-12:40	Self	
6-6	Shorthand 41-42	6	Daily	7:30- 8:40	Flint	
6-6	Typewriting 51-52	4	Daily	10:10-11:20	Self	
	and			1:00- 2:25		
6-6	Short. & Transcription 63-64					
	42 & 52 8		Daily	7:30- 8:40	Tenney	
			and	10:10-11:20	Flint	
12	Secretarial Training 74	42 & 52 2	T.Th.	1:00- 3:30		
12	Business Correspondence 133					
	Engl. 2 3		M.W.F.	7:30- 8:40	Doutt	
*12	Typewriting 31	2	M.W.Th.F.	6:20- 7:50		
*12	Shorthand 42	41 3	M.W.F.	8:00- 9:10		
*6	Business English 35	2	T.Th.	6:40- 9:10		
* 6	Business Letters 93	Engl. 2 2	T.Th.	6:40- 9:10	Doutt	
SOCIOLOGY						
12	General Sociology 41	3	T.Th.S.	10:10-11:20	DeGraff	
6	Modern Social Problems 43	3	Daily	7:30- 8:40	DeGraff	
12	Sociology Seminar 110	Srs. 2	To be arranged		DeGraff	
12	(Sociology) Field Work 111	3 or 6	To be arranged		DeGraff	
12	The Juvenile Delinquent 213	3	M.W.F.	10:10-11:20	DeGraff	
SPEECH						
12	Public Speaking 41	3	T.Th.S.	8:50- 9:10	Varian	
12	Bus. & Prof. Spkg. 47	2	T.Th.	8:50-10:10	Alogdelis	
12	Reading Aloud 51	3	M.W.F.	11:30-12:40	Varian	
6	Fundamentals of Speech	3	Daily	10:10-11:20	Alogdelis	
12	Play Production 161	3	M.W.F.	1:00- 2:10	Varian	
6	Speech Correction 272	271 2	M.T.Th.S.	11:30-12:40	Alogdelis	
12	History of Speech 291	2	T.Th.S.	7:30- 8:40	Varian	
VOCATIONAL EDUCATION						
*6	Industrial Relations 111	2	Daily	6:40- 9:45	Downing	
6	Voc. Tests and Meas. 104	2	Daily	8:50-11:50	Downing	
These courses will be held the first two weeks of Summer Session, June 14 to June 25.						
STUDENT NURSES' SCHEDULE OF CLASSES						
12	Anatomy & Physiology 31		Lec a	M.W.F.	7:30- 8:40	Kraatz, Jones and Staff
			Lec b	T.Th.F.	7:30- 8:40	
			Lab a	M.W.	8:50-11:10	
			Lab b	T.Th.	8:50-11:10	
			Lab c	F.S.	8:50-11:10	
			Lab d	T.F.	2:20- 3:40	
12	Chemistry 25		Lec a	T.Th.S.	7:30- 8:40	
			Lec b	M.W.F.	7:30- 8:40	
			Lab a	T.Th.	8:50-11:10	
			Lab b	F.S.	8:50-11:10	
			Lab c	M.W.	8:50-10:10	
			Lab d	M.F.	2:20- 4:30	
12	Micro-Biology		Lec a	F.S.	8:50-10:00	Fox
			Lec b	T.Th.	8:50-10:00	
			Lab a	Fr.	10:10-12:40	
			Lab b	Sat.	10:10-12:40	
			Lab c	T.	10:10-12:40	
			Lab d	W.	10:10-12:40	
12	Foods 43		Lec a	M.W.	1:00- 2:10	Wilson
			Lec b	T.Th.	1:00- 2:10	
			Lec c	M.	2:10- 4:40	
			Lec d	T.	2:10- 4:40	
			Lec e	W.	2:10- 4:40	
			Lec f	Th.	2:10- 4:40	
	Psychology 51		Lec a	M.Th.	10:10-11:20	Hayes
			Lec b	T.Th.	2:20- 3:30	
	Sociology 21		Lec a	T.Th.	1:00- 2:20	DeGraff
			Lec b	M.W.	1:00- 2:10	

THE DIVISION OF ADULT EDUCATION

LESLIE P. HARDY, M.S.ED., *Director*
HARRY K. FOSTER, PH.D., *Assistant Director*
ERNEST A. TABLER, M. A., *Assistant Director*

THE EVENING SESSION

ADMISSION REQUIREMENTS AND REGISTRATION

The admission of any student to the University of Akron will depend upon the evidences of his preparation and ability to do college work in a satisfactory manner. The evidences are: (1) graduation from an accredited four-year secondary school or its equivalent; (2) quality of work done in the secondary school; (3) ranking in certain tests given by the University to determine preparation, ability, and aptitudes; (4) attitude toward college work.

In determining the admission of any applicant, consideration is given to the above factors. A low ranking in any one will require a higher ranking in the others. For example, a student whose secondary school average is low may be admitted if his ranking in the tests is high. Also, an applicant with a fair secondary school record may make such a poor ranking in these tests as not to qualify for admission.

Students of maturity, over 21 years of age, who have not graduated from high school, may be admitted to certain courses upon presentation of sufficient evidence of preparation, aptitude, ability, and interest. These students are known as special students, and work taken by them does not count toward a degree until entrance requirements are met.

Students from other colleges should present a statement of good standing from the registrar of the institution last attended. If transfer students are expecting to continue in attendance at the University of Akron, it is necessary that a transcript and honorable dismissal be sent from the college last attended direct to the Registrar of the University of Akron.

Registration dates for 1943-44 are: First Semester—Friday and Saturday, September 24 and 25, 1943; Second Semester—Friday and Saturday, February 4 and 5, 1944. Registration is in Buchtel Hall. For late registration an additional fee of \$1.00 is charged.

AUDITORS

Auditors are not required to participate in class discussions or examinations, and do not receive credit. The fee is the same as for regular credit enrollment. Designation as an auditor should be made at the time of registration.

1942-43 CLASS SCHEDULE

Semester	Course	Cr. Hrs. Ea. Sem.	Semester	Course	Cr. Hrs. Ea. Sem.
ART					
1-2	Drawing & Rendering 45-46..	2	2	World Geography 75	2
1	Design 43	2	2	Story Telling 83	3
1-2	Crafts 101-102	2	2	High School Methods 113.....	3
1-2	Art for the Grades 121	2	2	Elementary Education 152.....	3
1-2	Commercial Art 131-132	2	2	Introduction to Aviation	3
1-2	Interior Decoration 181-182.....	2	2	World Geography 75	2
1	History of Art 212	2	2	Meteorology 76	2
BIOLOGY					
1-2	General Botany 51-52	4	1	Supervision of Instruction 322	2
1-2	Bacteriology 107-108	2	1-2	Philosophy of Educa. 323-324	2
CHEMISTRY					
1-2	Metallurgy 137-138	2	2	Public School Administra- tion 321	2
1-2	Chemical Thermodynamics 313-314..	2	2	Educational Diagnosis 313....	2
1-2	Int. to Rubber Chem. 227-228	2	ENGINEERING		
1	Chemistry 43	5	1-2	Engineering Drawing 21-22....	2
2	Chemistry 21	4	1	Machine Drawing 23	2
COMMERCE					
1-2	Accounting 21	3	2	Aircraft Drawing 24	2
1	Accounting 43	3	1-2	Industrial Electricity 21-22....	4
1	Accounting 127 (Cost).....	3	1-2	Industrial Electronics 55-56...	2
1	Auditing 229	3	2	Descriptive Geometry 44	3
1-2	Accounting 233-234 (Tax).....	3	2	Strength of Materials 46.....	3
1-2	Business Administration 61....	3	1-2	Aircraft Matls. and Const. 161-162	2
1	General Statistics 147	3	1	Aerodynamics 165	3
1-2	Business Law 141-142	3	1-2	Technical Vibrations	3-2
1-2	Personnel Management 163-164	2	1	Meteorology 169	3
1-2	Purchasing 189	2	1	Industrial Prod. Probs. 155....	3
2	Specialized Acctg. Probs. 236	3	1-2	Time Study 157	2
2	Cost Accounting 227	3	1	Motion and Micro-Motion Study 158	2
ECONOMICS					
1	Production, Prices and Income 41	3	2	Industrial Mgt. Probs. 156....	3
1	Comparative Economics 210	3	ENGLISH		
2	Economics of War 112	3	1-2	English 1-2	3
EDUCATION					
1-2	Handicrafts 41	2	1	English 1	3
1	Introduction to Educa. 55.....	3	1	English 2	3
1	Geography of North America 72	3	2	English 1	3
1	Children's Literature 86.....	3	1	Apprec. of Poetry 46	3
HISTORY					
1-2	Modern European History 45-46	3	2	Apprec. of Prose 45	3
1	American Colonial History 221	3	1-2	American Literature 47-48....	3
2	Foundations of American Nationality 222	3	1	English Literature 109	3

Semester	Course	Cr. Hrs. Ea. Sem.	Semester	Course	Cr. Hrs. Ea. Sem.
HOME ECONOMICS			POLITICAL SCIENCE		
1	Foods 41	3	1	American Diplomacy 44.....	3
2	Nutrition 42	3	2	State and Local Gov't 42.....	3
1	House Furnishings 118	3	PSYCHOLOGY		
2	Child Development 125	3	1-2	General Psychology 41	3
INTRODUCTORY COURSES			1	Business Psychology 62	3
1-2	Intro. to Social Sciences 5-6	3	2	Applied Psychology 42	3
1-2	Intro. to Humanities 7-8.....	3	GRADUATE PSYCHOLOGY		
1	Intro. to Natural Science 10..	3	1-2	Psychological Systems	
1-2	Hygiene 17-18 (Men)	1	317-318	2	
1-2	Hygiene 17-18 (Women)	2	1	Adv. Educa. Psychology 303	2
	Hygiene Laboratory (Men)....	2	2	Adv. Social Psychology 302..	2
	Hygiene Lab. (Women).....	1	SECRETARIAL SCIENCE		
JOURNALISM			1-2	Business English 35	2
1	News Writing and Editing 53	2	2	Business Letters 93	2
2	Feature Writing 56	2	1	Filing and Machine	
MATHEMATICS			Calculation 26	3	
1-2	Algebra 19	2	1	Machine and Slide Rule	
1	Algebra 19	2	Calculation 25	1	
1-2	College Algebra 21α	3	1-2	Beginning Shorthand 41-42..	3
1-2	Trigonometry 22	3	1	Beginning Shorthand 41	3
1-2	Analytic Geometry 43	3	2	Beginning Shorthand 41	3
1-2	Calculus 45-46	3	1-2	Beginning Typewriting 51-52	2
1	Higher Algebra 207	3	2	Shorthand Review 46	3
2	Higher Geometry 206	3	1-2	Dictation, Intermediate 83-84	3
1-2	Differential Equations 203-204	2	1	Dictation 84	3
2	Spherical Trigonometry 23....	1	2	Dictation 85	3
2	Mathematics of Air and Ma- rine Navigation 31	2	1-2	Dictation 85-186	3
MODERN LANGUAGES			1	Advanced Dictation 187	3
1-2	Spanish 21-22	4	SOCIOLOGY		
1-2	Spanish 43-44	3	1	Child Welfare 117	3
MUSIC			1	Social Attitudes 42	3
1-2	Piano Class 51-52	1	1	Community Organization 206	3
1-2	Voice Class 53-54	1	1	Social Theory 207	2
2	Voice Class 53	1	2	General Sociology 41	3
2	Music Orientation 21	2	2	Social Origins 208	2
1	The Art of Music 22	2	2	Welfare Aspects of Social Security 209	3
1-2	Piano, Voice, Organ, (Private Lessons)	1 or 2	SPEECH		
PHYSICAL EDUCATION			1-2	Public Speaking 41	3
1	First Aid 111	1	1-2	Reading Aloud 51-52	3
2	Municipal Recreation 170.....	2	1-2	Business and Professional Speaking 47	2
2	Modern Dancing	1	1-2	Business and Professional Speaking 48	2
PHYSICS			1	Fundamentals of Speech 76..	3
1-2	Physics 21-22	4	1	Radio Speaking 181	3
			2	Seminar in Radio Writing and Production 287	3
			1	Speech Research 393	1 to 3
			2	Speech Correction 271	2

COMMUNITY CO-OPERATION

The University of Akron, as a municipal university, aims to bring all of its departments into close touch with the activities of the city of Akron.

The following covers the work of the several colleges and divisions.

THE COLLEGE OF ENGINEERING

Students in the College of Engineering work part-time in foundries, machine shops, and rubber factories, on construction and railroad work, and in municipal and county engineering departments. Engineering instructors make numerous tests of materials and equipment, and the facilities of the department are available to the technical men in local organizations for testing purposes. The Dean is coordinator of Civilian Pilot training for the Akron district.

THE COLLEGE OF EDUCATION

In addition to the preparation of teachers for the Akron Public School system and other school systems of the state, the College of Education aims to increase the opportunities for the continued education of teachers already in service. Late afternoon, evening, and Saturday courses are offered. Students are required to do student teaching for one semester before graduation. This is made possible through the co-operation of the Board of Education. Members of the faculty consult with teachers and school administrators about their educational problems.

Although a clinic has not been formally organized in the fields of education and psychology, a wide and varied service is rendered to individuals and institutions, including welfare organizations and the public schools. This service includes not only testing of intelligence but measuring aptitudes and vocational interests, and diagnosing educational and personality difficulties.

In September, 1938, the Board of Education of the City of Akron and the Board of Directors of the University approved a plan whereby the dean of the College of Education became an employee of both to serve as principal of Spicer Demonstration Laboratory School. This plan is not in operation at the present time.

The office of the dean serves as a clearing house for requests for speakers, particularly for the parent-teacher organizations of the city or county.

THE LIBRARY

The resources of the library are open to citizens of Akron for reference during the regular library hours, and for circulation in so far as the demands of classwork upon the collection will permit.

CO-OPERATION WITH THE LOCAL HOSPITALS

By special arrangement with the local hospitals in their war effort, courses will be offered to nurses in training who are graduates of accredited high schools during the twelve-week summer session beginning June 14, 1943. The work will carry regular college credit and be acceptable toward a degree. The following courses will be given: Anatomy and Physiology, Chemistry, Microbiology, Nutrition and Foods, Psychology, and Sociology.

THE TESTING LABORATORY OF THE CITY OF AKRON

In accordance with the proposal made by the Directors of the University and accepted by the Akron City Council, the Testing Laboratory does much of the chemical and physical testing work of the city. It serves especially the Board of Education, the Police Department, the Service Department, and the Coroner's Office. It answers many calls requesting chemical or other technical information. In addition it serves as a commercial laboratory for those concerns which do not have testing equipment or personnel of their own and in cases in which this service does not duplicate facilities already existing.

DEPARTMENT OF BIOLOGY

Close affiliation is maintained with the City Health Department. Bacteriological and serological testing and investigations are carried on in connection with the various clinics and hospitals. A "blood squad" composed of selected students is held in readiness for emergency transfusions. Facilities are provided for research work on the part of some of the surgeons of the city. Lectures and informal talks have been given before luncheon clubs and other organizations in Akron and vicinity. Identification of zoological and botanical specimens is made from time to time by various members of the department.

DEPARTMENT OF CHEMISTRY

Two fellowships in the chemistry of rubber technology, open to graduates of standard American colleges, have been established at the University of Akron by the Goodyear Tire and Rubber Company and the Firestone Tire and Rubber Company, for the purpose of training men for service in their laboratories.

The University has entered into a contract with the Rubber Reserve Company for conducting a research problem in synthetic rubber under the direction of the office of the Rubber Director.

COMMERCE DEPARTMENT

The commerce department attempts to tie in closely with the business and economic life of Akron. Monthly, in co-operation with the Chamber of Commerce, a bulletin is issued analyzing Akron business trends. The department quite regularly makes traffic and occupancy surveys of the business district, as well as consumer and trade studies of a community nature which are extensively used. The work in the field of automobile tire distribution and market statistics has become widely known and accepted.

DEPARTMENT OF HOME ECONOMICS

Students in the department of home economics are encouraged to take active part in clinics and in public and private agencies which deal with problems related to home life. Special problems are selected by or assigned to mature students for study in such organizations as the Family Service Society, Nursery Schools, the public schools, and hospitals. Many students participate in program planning for women's organizations. They assist commercial firms and public agencies in demonstrations and contests of consumers' goods. Studies in regard to selection and purchase of consumers' goods are made and reports are given to the public on their findings. Students use family case studies in economic, management, and feeding problems with a view to helping families make adjustments. Many students apply their knowledge of textiles, clothing, and house furnishings to department store selling and welfare organization.

Laboratory work in child care and development is done in the Children's Home.

DEPARTMENT OF SOCIOLOGY

The department of sociology has active affiliations with the Boy Scouts, Catholic Service League, City Hospital, Community Chest, Department of Public Charities, Family Service Society, Girl Scouts, Jewish Center, Jewish Social Service Federation, Juvenile Court, Metropolitan Housing Authority, Summit County Children's Home, Y. M. C. A., Y. W. C. A., Detention Home and Day Nurseries. These institutions and agencies provide the supervised training for the students who are actively interested in entering the profession of social welfare work or in character building and Community Chest agencies.

The census tract maps for the City of Akron are under the direct supervision of the department of sociology. Surveys and special supervised studies are conducted by the department. Students are also trained in statistical research.

The department conducts an annual two-day Social Welfare Institute complimentary to the City of Akron and contiguous areas.

DEPARTMENT OF SPEECH

The Speech Clinic is under the direction of members of the Speech Department faculty. Anyone in Akron is privileged to come to the Clinic for advice concerning speech defects. Remedial training is offered to a limited number. Advanced students assist with the work of the clinic.

The Speakers' Bureau furnishes speakers, debaters, and discussion panels to local groups. A number of one-act plays are also available.

The department prepares and produces radio programs of an educational nature.

All faculty members of the department are enrolled in the Speakers' Bureau of the Civilian Defense organization.

THE DIVISION OF ADULT EDUCATION

The Division of Adult Education offers credit and non-credit courses in evening classes.

In the Community College, Goodrich Institute, and ESMWT programs, non-credit classes are arranged to meet the needs of many persons who want practical training for a particular vocation or avocation. The Community College classes are conducted on a twelve-week and six-week basis on the campus during each semester with an enrolment fee of \$6 per course. Organized on a twelve-week basis, Goodrich Institute classes were offered during the academic year 1942-43 at the B. F. Goodrich Company, with an enrolment fee of \$4. The Engineering Science and Management War Training classes are offered without fee in co-operation with the National Defense Program of the Federal Government.

The Division of Adult Education has co-operated with departments of the University in sponsoring institutes and conferences.

COMMUNITY COLLEGE

The courses offered in Community College are planned to satisfy the specific needs and interests of those persons who are not particularly interested in earning a college degree.

Classes are conducted on a lecture-discussion basis. Additional classes will be arranged for fifteen or more persons interested in a subject not offered in the program. Some classes meet once a week for twelve weeks; others meet twice each week for six weeks.

The classes held during the summer of 1942 and during the 1942-1943 academic year were:

Twelve-week courses in the Summer of 1942: Blue Print Reading, Shop Mathematics, Basic Radio Code, Advanced Photography, Gregg Speed Class.

First Semester—Twelve-week courses: Map Reading and Interpretation, Astronomy for Navigation, English Review, Photography for Beginners, Advanced Photography, Psychology of Personality, Gregg Shorthand, Dress Design, Production Drawing, Applied Shop Mathematics, and Nutrition.

Six-week courses (First six weeks): Shop Mathematics, Blue Print Reading, and Basic Radio Code.

Six-week courses (Second six weeks): Shop Mathematics, Advanced Shop Mathematics, Blue Print Reading, Basic Radio Code, and Basic Radio Operating Procedure.

Second Semester—Twelve-week courses: Elements of Navigation, Photography for Beginners, Advanced Photography, Meal Planning for Business Women, and The Three R's of Clothing.

Six-week courses (First six weeks): Shop Mathematics, Blue Print Reading, Basic Radio Code, Radio Code Practice, Map Reading and Military Procedure, and Reading for Adults.

In addition to the above classes, twenty-one hours of instruction in Red Cross First Aid and ten hours of instruction in Advanced First Aid were offered free of charge during the first semester.

ENROLMENT	Summer Session 1942	First Semester 1942-1943	Second Semester 1942-1943
Community College	59	273	157
Goodrich Institute	---	135	47
No fee classes	---	56	---
Total	59	464	204

ENGINEERING, SCIENCE AND MANAGEMENT WAR TRAINING

The University of Akron has co-operated to the fullest with the United States Office of Education in sponsoring War Training classes.

From January, 1941, to September 30, 1941, the program was identified as Engineering, Defense Training. During this period of time the University offered classes to 605 students.

From July, 1941, to September 30, 1942, the program was designated as Engineering, Science and Management Defense Training. This program served 3,467 persons in Akron War Industries.

The current program began July, 1942, and is known as Engineering, Science and Management War Training. A list of courses and the enrolment in each class for the period September 15, 1942, to March 15, 1943, follows:

Adv. Engineering Mathematics (In service)	15
Adv. Production Supervision	500
Aerodynamics	36
Aircraft Production Engineering	138
Applied Engineering Mathematics	147
Chemical Eng'g for Production Supervision	118
Ele. Production Supervision	274
Engineering Lofting	75
Engineering Mechanics—Statics	16
Engineering Physics (In service)	43
Fundamentals of Industrial Safety	61
Human Problems in Production Supervision	40
Industrial Production Problems	17
Industrial Psychology	49
Inspection and Testing of Materials	304
Precision Measurement Instruments	24
Production Management and Control (Apco)	41
Radio Technology	18
Structure and Stresses	27
Time Study	87
Tool Engineering	81
Total	2,111

CO-OPERATION WITH INDUSTRY

Instruction in Industrial Management was begun to meet the need for more specific training and service in industrial management problems in this community. Some of the objectives, especially on the adult level, are:

First, to afford an opportunity for those in industrial supervisory or managerial positions to study more specifically and completely underlying principles of modern industrial management in order to make direct application of these to their jobs.

Second, to make it possible for those employed in some phase of industrial management (i. e., production control, cost and budgetary control, employment, quality control, employee services, job analysis, industrial training, health and safety, etc.) to learn more about their work through individual research, study, and group discussions.

Third, to foster conference meetings of individuals engaged in the same management function but in different industries in order to exchange ideas and experiences on current problems.

Fourth, to provide services in (1) testing for selection and placement, (2) developing visual training aids, (3) personnel research, (4) job simplification; to train and counsel the industries' representatives responsible for these and other services that may be developed in the future.

PRIZES, FELLOWSHIPS, SCHOLARSHIPS, HONORS, AND SPECIAL FUNDS

THE ASHTON PRIZES

A fund of \$3000 was established in 1887 by Oliver C. Ashton of Bryan, Ohio, endowing the O. C. Ashton Prizes for excellence in reading and speaking. Three contests during the year are held, an Upper College Contest, a General College Contest, and an Interpretative Reading Contest. The amounts of the prizes awarded at each contest depend upon the income available from the fund.

THE SENIOR ALUMNI PRIZE

A fund has been established by the Alumni Association for the purpose of awarding an annual cash prize of \$50 to that senior student who has completed the regular undergraduate curriculum with the highest average grade for the work taken, having carried an average load of 12 credit hours per semester.

THE DR. E. B. FOLTZ PRE-MEDICAL PRIZE

The Dr. E. B. Foltz Pre-Medical Prize of \$100 is awarded each year to that member of the graduating class who makes the highest average grade in all work taken in the four-year pre-medical course and who plans to enter medical college the following year. The name of the winner is announced at Commencement but the actual award is not made until the winner has enrolled in medical college.

THE SUMMIT COUNTY HISTORICAL SOCIETY PRIZE

The Summit County Historical Society Prize of \$10 is awarded each year to that registered undergraduate student who is enrolled in a course of American History or has taken such a course at the University of Akron, who enters the best essay on a topic concerning the history of Summit County. The object of the contest is to encourage the study of local history. The name of the winner appears on the commencement program.

FIRESTONE AND GOODYEAR FELLOWSHIPS

Fellowships in the Department of Chemistry are offered by the Firestone Tire and Rubber Company and the Goodyear Tire and Rubber Company for the study of the chemistry and technology of rubber. These fellowships are open to graduates of standard American colleges and universities and are of the value of \$1000 per year, with remission of all University fees.

THE OHIO STATE UNIVERSITY GRADUATE SCHOLARSHIP

In the spring of 1935 a number of graduate scholarships were established by the Ohio State University, one to be assigned to each of the Ohio colleges fully accredited by the North Central Association of Colleges and Secondary Schools. The scholarship entitles the student to the exemption of tuition and fees of all kinds except a matriculation fee. Selection is left to the individual colleges.

FRANK PIXLEY MEMORIAL FUND

The Frank Pixley Memorial Fund was established in 1931 by the will of Isabel McRoy Pixley, wife of Frank Pixley, class of 1887. The fund amounts to \$50,000, the income from which is used for the establishment of scholarships in speech, music and literature. The value of the scholarships varies annually to some degree, based upon the income available from the fund.

THE PIXLEY SCHOLARSHIPS

In accordance with the terms of the Pixley bequest, there are each semester awards for students of outstanding ability and promise in the fields of literature, music, and speech. To be eligible for one of these awards the student must be enrolled in an upper college or qualified to enter an upper college and must be a major in the department in which the scholarship is awarded, or a divisional major in the humanities division. The awarding of these scholarships is made by a committee of which the registrar is the chairman. To be eligible for a Pixley Scholarship, a student must have a quality point ratio of at least 2 in all work taken; in the field of the award, the quality of scholarship is expected to be much higher. Applications for scholarships should be addressed to the Registrar. Members of the committee are: Mr. R. H. Schmidt, Chairman; Dean Bulger, Dean Distad, and Mrs. Keating.

THE RUTH DUGAN AERONAUTIC SCHOLARSHIP

One of the accomplishments credited to the Women's Chapter of the National Aeronautic Association is the Ruth Dugan Aeronautic Scholarship of \$100 a year to be awarded to that student who shall be accepted by the scholarship committee of the Akron Women's Chapter upon recommendation by the co-operating advisory committee of the University of Akron. Part of the work included in the course of study will be given at the University of Akron, and the necessary research will be carried on at the Daniel Guggenheim Airship Institute. The scholarship fund first became available for the year 1936-37.

HONORARY FRATERNITIES

PHI SIGMA ALPHA is an honorary fraternity founded in 1910 to encourage high scholarship among the students of the Liberal Arts College. The requirements are as follows:

1. Only such courses as are taken in the Liberal Arts College or such courses as are regularly accredited in that college may be counted for standing in the fraternity.
2. A minimum of 108 hours for three and one-half years for those completing the regular four-year course, or of 77 hours for two and one-half years for students who have spent one year at another institution are required.
3. All seniors who have maintained an average grade of not less than 90% (a quality point ratio of 3.25) during their three and one-half years are eligible for membership, provided that at least two and one-half years have been taken in Buchtel College of Liberal Arts.

4. Juniors who have completed two and one-half years of work in Buchtel College of Liberal Arts with the average grade not less than 92% (a quality point ratio of 3.5) shall be eligible for membership.

5. Those seniors who may have entered the institution at mid-year as freshmen and who have remained three years in Buchtel College are also eligible, the required number of scholarship hours being 96.

6. Average scholarship is reckoned as a whole, not specialization.

SIGMA TAU is a national honorary engineering fraternity. Phi Chapter was established at the University of Akron in December, 1924, the charter being granted to the local honorary fraternity O.H.M. which was founded in 1919. Sigma Tau elects its men on the basis of scholarship, sociability, and practicality. Any engineering student in the upper college is eligible whose scholastic average for all his previous college work ranks him in the upper third of the combined pre-junior, junior, and senior students.

KAPPA DELTA PI, an Honor Society in Education, has for its purpose the encouragement of professional, intellectual, and personal standards. The Society is an international organization composed of a Laureate Chapter, honorary, and institutional and alumni chapters, active. Alpha Theta Chapter was chartered in 1925. Candidates for membership must be juniors, must have earned six semester hours in professional subjects, or eleven hours if of senior rank, and have a quality point average in all work of three when A equals four.

SIGMA PI EPSILON is an honor fraternity established for the purpose of promoting scholarship, citizenship, and artisanship among the students of the College of Education. Students being graduated with distinction automatically become members of the fraternity.

PHI ETA SIGMA is a national honorary fraternity for freshman men. Its purpose is to recognize superior scholarship, and to encourage academic achievement. Men are pledged twice each year, in March and in September. To be eligible for pledging, a man must have a quality point ratio of 3.5 or better (half A's, half B's) for his first semester, or for his first year.

LAMBDA DELTA, local scholarship honorary fraternity for freshman women, promotes intelligent living and a high standard of learning and encourages superior scholastic attainment among freshman women. To be eligible for pledging, a woman must make a quality point ratio of 3.5 (half A's, half B's) or better, for her first semester, or for her first year.

LOAN FUNDS

Applications for loans are received at the office of the Dean of Students prior to the opening of each semester, and upon emergencies, during the academic year.

HARRIET PHILLIPS FUND

The Harriet Phillips Fund was created in 1930 by a bequest of \$18,000. The income from this fund is used for the care and maintenance of gifts of paintings, etchings, and other art treasures, together with an Art Library, which was given by Miss Phillips to the University in memory of her family. The building housing the Phillips Art Memorial Collection is known as Phillips Hall, named in honor of the donor and her generous gift to the University.

THE KATHERINE CLAYPOLE LOAN FUND

This fund was established by a number of women's organizations of the city and dedicated as a memorial to Mrs. Katherine Claypole, wife of Dr. E. W. Claypole, former Professor of Natural Science at Buchtel College. The principal of the fund is lent to students "who in mid-semester, as often happens, find themselves without sufficient means to complete the year's work."

THE THOMAS-LITCHFIELD LOAN FUND

This fund was established by two directors of the University, Mr. John W. Thomas and Mr. P. W. Litchfield, in 1932. From it money to pay fees is lent for short periods to upperclassmen who are residents of Akron.

MABEL JANE ROGERS MEMORIAL FUND

The Mabel Jane Rogers Memorial Fund, amounting to \$100, was given by the alumnae of Flora Stone Mather College, Western Reserve University, in memory of Miss Mabel Jane Rogers who was instructor in Spanish at the University of Akron for eight years. It is used for short emergency loans to women students.

HOMER C. CAMPBELL FUND

A fund established under the will of the late Homer C. Campbell provides for assistance by loan or gift from its income to needy students dependent on their own resources. Preference is given to young men who have been newsboys in Akron.

AKRON HOME AND SCHOOL LEAGUE LOAN FUND

This fund was established in 1925. Loans are made from this fund to Juniors and Seniors of the University to be repaid following graduation. The fund is administered by the League. Applicants are required to have the approval of the University.

THE HARRIET HALE FUND

The money in this fund was given to the University by the trustee of the Harriet Hale estate to be used in the furtherance of education in music. Loans for the payment of fees are made to students specializing in music.

EVENING SESSION LOAN FUND

By voluntary contributions each semester since February, 1933, the evening students have accumulated this fund to aid evening session students. Loans are made for short periods to students who have attended this division of the University for at least one year.

THE AKRON COLLEGE CLUB FUND

The Akron College Club maintains a loan fund known as the Elizabeth A. Thompson Scholarship Fund. Loans are made to deserving women students of the University. This fund is administered by a committee of the College Club. Applicants are required to be recommended by the University.

THE CUYAHOGA PORTAGE CHAPTER
D. A. R. LOAN FUND

The money in this fund was donated by the Cuyahoga Portage Chapter of the Daughters of the American Revolution for the purpose of aiding deserving men and women students of the University.

INDIAN TRAIL CHAPTER OF DAUGHTERS OF
THE AMERICAN COLONISTS LOAN FUND

The money in this fund was donated by the Indian Trail Chapter of Daughters of the American Colonists for the purpose of making loans to students of the University.

HERMINE Z. HANSEN LOAN FUND

A trust fund, established under the will of the late Hermine Z. Hansen, provides for a share of the distribution of its income to be used for the benefit of needy and deserving students, while attending the University. At the discretion of the trustees of the fund, money is available through loans to needy students for purposes which will assist in completing their studies. Repayments are returned to the income of the trust fund.

SUMMARY OF STUDENTS IN DAY CLASSES
1942-43

	1942 Summer			1st semester 1942-43			2nd semester 1942-43		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
BUCHTEL COLLEGE OF LIBERAL ARTS									
Graduate Students.....	10	20	30	6	9	15	10	11	21
Humanities Division.....	13	20	33	13	21	34	10	18	28
Social Science Division..... (incl. Com. and Sec. Sci.)	83	23	106	82	47	129	50	52	102
Natural Science Division.....	36	3	39	42	11	53	49	9	58
Irregular Students.....	17	13	30	6	5	11	11	9	20
	<u>159</u>	<u>79</u>	<u>238</u>	<u>149</u>	<u>93</u>	<u>242</u>	<u>130</u>	<u>99</u>	<u>229</u>
COLLEGE OF ENGINEERING									
Graduate Students.....	---	---	---	1	---	1	---	---	---
Regular Students.....	105	---	105	99	---	99	97	---	97
Irregular Students.....	1	---	1	---	---	---	---	---	---
	<u>106</u>	<u>---</u>	<u>106</u>	<u>100</u>	<u>---</u>	<u>100</u>	<u>97</u>	<u>---</u>	<u>97</u>
COLLEGE OF EDUCATION									
Graduate Students.....	8	31	39	2	3	5	1	1	2
Regular Students.....	26	93	119	27	92	119	22	72	94
Irregular Students.....	5	20	25	1	2	3	1	---	1
	<u>39</u>	<u>144</u>	<u>183</u>	<u>30</u>	<u>97</u>	<u>127</u>	<u>24</u>	<u>73</u>	<u>97</u>
THE GENERAL COLLEGE									
New Freshmen									
Regular Students.....	92	28	120	252	154	406	16	20	36
Irregular Students.....	2	3	5	11	10	21	5	---	5
Others									
Regular Students.....	251	61	312	376	185	561	257	269	526
Irregular Students.....	46	15	61	19	7	26	12	15	27
	<u>391</u>	<u>107</u>	<u>498</u>	<u>658</u>	<u>356</u>	<u>1014</u>	<u>290</u>	<u>304</u>	<u>594</u>
Totals.....	695	330	1025	937	546	1483	541	476	1017

A regular student (1st and 2nd sem.) is one who is classified for 8 or more credits per semester; an irregular student is classified for less than 8 credits. For the summer session 6 hours was used as the basis for a regular student.

SUMMARY OF ALL STUDENTS IN THE UNIVERSITY

1942-43

	1942 Summer			1st semester 1942-43			2nd semester 1942-43		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
Graduate Students.....	18	51	69	9	12	21	11	12	23
Upper Colleges.....	263	139	402	263	171	434	228	151	379
General College.....	343	89	432	628	339	967	273	289	562
Irregular Students.....	71	51	122	37	24	61	29	24	53
Total Day Session Enrolment.....	695	330	1025	937	546	1483	541	476	1017
Total Evening Session Enrolment.....	81	155	236	715	610	1325	418	449	867
	776	485	1261	1652	1156	2808	959	925	1884
Total enrolment (all sessions).....	3387	2566	5933						
Less duplicates.....	1390	997	2387						
Total Net Enrolment.....	1997	1569	3566						

ENROLMENT BASED ON STUDENT CREDIT HOURS

	Total Student Cr. Hrs.	*Full-time Student equivalent
Buchtel College of Liberal Arts.....	8,592.5	268.5
College of Engineering.....	3,781.5	118.2
College of Education.....	5,008.0	156.5
General College.....	27,819.5	869.4
Evening Session.....	9,291.0	290.3
	54,492.5	1,702.9

*A full-time student is the equivalent of one student pursuing a normal full-time load (32 hours) during the academic year.

DEGREES CONFERRED SUNDAY, JUNE 7, 1942

BUCHTEL COLLEGE OF LIBERAL ARTS

Bachelor of Arts

Betty Jane Anderson	Betty Lee Markey
Berdine Elberta Apger	James Oliver McMullin
Jane Edgecomb Bailey	Mary Catherine Murphy
B.S., Ed., University of Akron, 1938	George Myers
Allen Mapes Boyer	Leslie Claire Myers
Ellen Margaret Casey	(With Distinction)
William John Cattran	Louis Laddy Nagy
Arthur Anthony Clare	Cathleen Virginia Nealis
Alice Louise Clover	(With Distinction)
Ardent L. Cullison	Jane Eileen Neely
Robert Evan Davis	Robert Gugler Osmun
Albert Robert Decatur	Grace Arlene Patterson
(With Distinction)	Milan Pavlov
Helen Louise Dill	Kathryn Pershing
Lawrence Beale Dillehay	Jean Eleanor Petley
William Richard Duer	Jacob Lewis Reich
Clinton Bernard Emmerich	Marthabell Rieker
Billy Kenneth Finegan	Pauline Crawford Romig
Helen Mae Frederick	(With Distinction)
George J. Gildow	Bernard I. Rosen
William Carl Good	Estelle Fossee Ruth
Mary Staats Gostlin	Rose Marie Ruth
Dorothy Gukich	Lois Salpeter
Ellen Elizabeth Hatzis	Carmel Marie Simonetti
Logan Addison Hidy	(With Distinction)
Evelyn May Hooker	Edgar Harrison Smith
Gene Paul Hopkins	Richard Eugene Stover
Harry Hurtt	Helen Ione Streeks
(With Distinction)	Helen Janet Sullivan
Clarence Ralph Ifft	B.E., University of Akron, 1928
Elisabeth Kientz Judson	Charles Ruben Teter
James Kay, Jr.	Fern Fairall Toy
Robert Allen Keene	William Albert Trembley
William Clyde Kistler	William Joseph Van Nostran
Helen Kathryn Koval	Lois Jean Watkins
Kathryn Jane Kriegbaum	Doris Rifkin Weiss
Sophie Kudera	Molly Winer
Mildred Cecilia Kylander	Mardelle Marilyn Witwer
Martha Roberta Larrick	Catherine Ann Wolf
Juanita Margaret Loulan	Burton Reder Wolin
Hope MacLeod	Mary Thomas Wyman

Bachelor of Science

George Anastos	Robert Elmer Glasgow
(With Distinction)	Carmen H. Gullia
Frank Warren Barbee	George Thomas Hranilovich
Joseph Marion Cameron	Harold Murray Leeper
(With Distinction)	Earl Ellsworth Long
Thomas North Christy	Donald Keith McGaughey
Jeanette Rosalind Cooper	Elizabeth Langville Musser
Karl Frederick Cullison	Arthur Louis Robinson
Grover Duke	Paul Allan Roush
Frank Victor Dunderman	
(With Distinction)	

Bachelor of Science (Continued)

Charles Franklin St. John	Alvin William Warren
Carl Edward Snyder	Clyde Richard Weaver
Robert Francis Thome	Milton Rex Wingard
George Herman Twickler	Miriam Elizabeth Zimarik

Bachelor of Science in Applied Art

Russell Harmen Brundage (With Distinction)	Eleanor Louise Schimp
Jacqueline Horst (With Distinction)	Fern Lucille Shryock
Marion Elizabeth Reed	Helen E. Strayer

Bachelor of Science in Business Administration

Einar Gerald Anderson	James Tiernan McGrath
Robert Crim Berry	John William Nichols
Donald Ernest Brown	Carl Schaadt
Jerry William Colombes	(With Distinction)
Primo Guy DellAngelo	Betty Jane Shane
Thomas Edward Gilbride	Ralph John Weaver
William Frederick Graham	Julius Carlton Wilt
Donald Leverage Jenkins	Carl Hetzel Yokum
Kenneth Myron Koller	Ralph Carl Young
George Alexander Matye	

Bachelor of Science in Secretarial Science

Martha Marie Bay (With Distinction)	Suzanne Israel
Genevieve Mae Brill	Arthur E. Larson
Betty Ethel Cooper	Juanita Margaret Loulan
Bernice Barbara Frank	Dorothy Marie Porter
Jean Louise Hagstrom	Robert Joseph Reidy
Marjorie Jean Hoover	Clara Wasser

THE COLLEGE OF ENGINEERING

Bachelor of Civil Engineering

John J. Cuning	William Mark
William Charles King	

Bachelor of Electrical Engineering

Francis Micheal Bowdon	Frank Doane Snyder
Robert Leon Humphreys	Morris H. Tass
Joseph Coulter McCracken	

Bachelor of Industrial Engineering

Alfred Gustave Mikolashek

Bachelor of Mechanical Engineering

Charles Raymond Beckwith	Erwin Russell Moats
John Kraus Burkley	Dale Kent Pettry
Gene Caillet	Dallas Lee Sprinkle
Russell Cartwright	James Moore Stankard, Jr.
Peter Lorenz Gitter	Joseph L. Waddell
Robert James Haren	Homer Edison Wilt
(With Distinction)	Edward Wolf, Jr.
Marvin Edward Hartz	Charles George Wyman
Richard Owen McCarthy	

THE COLLEGE OF EDUCATION

Bachelor of Arts in Education

Eugene Moss Benedict	Ida Mann
Alma Theresa Cortellessa	(With Distinction)
Anna Marie DePiero	Margaret Jane Marcum
A.B., Western Reserve University, 1940	Miriam Ruth McManis
Helen Dewhirst	Ned Charles Neidemire
Frances S. Gertz	(With Distinction)
Joanna Belle Hoffmaster	Dorothy Louise Snyder
Evelyn June Lightner	William Albert Trembley
(With Distinction)	Frances Louise Waltz
	(With Distinction)

Bachelor of Science in Education

Leona Barnes Abbey	Mildred Lee Hancock
Mary Frances Barnard	(With Distinction)
Jane Elizabeth Baughman	Estelle R. Handley
Marguerite Norene Baumgardner	(With Distinction)
Virginia Ann Berg	Mabel Hopfner
James Armand Berry	Olga Helen James
Lucile Jeanette Boughton	William P. Kannel
Catherine Elizabeth Byrne	Esther Lois Lowrey
Margaret Baker Chambers	Gladys L. Magilvy
Merle Andrew Clark	Selma Caroline Millemann
Bonnie Lee Clinton	Margaret Elizabeth Morey
Leona Coda	Meta Anne Murin
Phyllis Eileen Comstock	Dominic Patella
Marian Elaine Conn	Dorothy Emma Reidenbach
Sarah Ann Cooley	Katherine Rebecca Ruggles
Letitia Elvira Dobrin	Sister Mary Mildred Cook, O. P.
(With Distinction)	Margaret Bertha Saus
Hazel V. Easterday	Marie Louise Schick
Evelyn Alice Eberhart	Mary Kathleen Scott
Michael Joseph Fernella	Martha Elizabeth Shook
Martha Eileen Green	Genevieve Rosemarie Smith
Wanda Bernice Grendrenska	Eugene Vinciguerra
Anamary Griffith	Mary Elizabeth Woodward
Eleanor Khoenle Groncy	Hazel Lorraine Wright
Leroy George Gunning	(With Distinction)

GRADUATE STUDY

Master of Arts

Lois V. Harlow	Juliette Rita Parenti
A.B., Oberlin College, 1921	A.B., 1930; B. E., 1931, The University of Akron

Master of Science

Thomas Dwight Jacot	Joseph Albert Schufle
A.B., College of Wooster, 1940	B.S., University of Akron, 1938
Oscar Theodore Simpson	
B.S., University of Akron, 1940	

Master of Arts in Education

Anita Ruth Cahill	Inah May Masters
A.B., DePauw University, 1922	A.B., Taylor University, 1930
James Lowell Fifer	Henry King Shaw
A.B. Ed., University of Akron, 1938	A.B., Phillips University, 1932
Benjamin Levin	Mary S. Simpson
A.B., Ohio State University, 1931	A.B., University of Pittsburgh, 1928
Betty March Sisson	
A.B., University of Minnesota, 1933	

Master of Science in Education

Elza Rudolph Malone	John Alvin Ruehling
B.S. Ed., Ohio Northern University, 1935	B.S. Ed., Capital University, 1938

Master of Education

Hazel Belle Sellers
B.E., University of Akron, 1928

COMMISSIONS

Commissioned Second Lieutenants, Officers' Reserve Corps, U. S. A.

Hollis Paul Allan	Kenneth Myron Koller
Robert Crim Berry	Arthur Emil Larson
Frederick R. Brown	Erwin Russell Moats
Eugene Caillet	Ned Charles Neidemire
Thomas North Christy	Dallas Lee Sprinkle
Jerry William Colombes	Richard Eugene Stover
Peter Lorenz Gitter	Gene Edward Sucharda
*Robert Joseph Godlove	Myron George Suderow
Alvin Edward Greenhorn	Richard Carl Walter
Harry Hurtt, Jr.	Milton Rex Wingard
*Clarence Ralph Ifft	Carl Hetzel Yokum
Robert Allen Keene	Ralph Carl Young

CERTIFICATES

BUCHTEL COLLEGE OF LIBERAL ARTS

Two-year Certificate in Secretarial Science

Evelyn Frances Gerson	Joanne Marie Rohaley
Barbara Plageman	Genevieve Catherine Smith

THE COLLEGE OF EDUCATION

Three-year Certificate in Elementary Education

(Granted July, 1941)

Anastasia Nazella Dimitruck	Jeanne Lois Olhoeft
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DEGREES CONFERRED FRIDAY, SEPTEMBER 4, 1942

BUCHTEL COLLEGE OF LIBERAL ARTS

Bachelor of Arts

Ivan Dale Akins	Henriette Marie Mathias
Thomas Benedict Courtney	Jennie Eva Pulk
Ruth Elizabeth French	Lucy M. Richie
Anita Ruth Haines	Douglas Lee Smith
Clark Cory Livensparger	Harry Albert Umansky

(With Distinction)

Bachelor of Science in Business Administration

André Joseph Andreoli	Carl Chandler Lewis, Jr.
Emil Cook	Dallas Edward Riddle
Howard William Darst, Jr.	Albert Trumpikas

THE COLLEGE OF ENGINEERING

Bachelor of Mechanical Engineering

Robert Ira Bishop

THE COLLEGE OF EDUCATION

Bachelor of Arts in Education

Eugene Wise Jones

Bachelor of Science in Education

Alice Molyneux Andrews	Wade Hampton Morrow, Jr.
Grace Burket Bacher	Milcie Relich
Margaret Louise Corris	Maude Edith Rumsey
Ned Robert Endress	Sister M. Therese Clouser, O. P.
Helen Bryant Esch	Sister M. Jean Gillespie, O. P.
(With Distinction)	Sister M. Louise Werner, O. P.
Ben Flossie	Patricia MarjLynn Smith
Jean Frances Hamilton	Marjorie May Zeiter
Regina Mary Kalavity	

GRADUATE STUDY

Master of Science in Education

D. Walter Ruttman
B.E., University of Akron, 1929

*To receive commission on the successful completion of an eight-week course at Ft. Benning, Georgia.

DEGREES CONFERRED FRIDAY, JANUARY 29, 1943

BUCHTEL COLLEGE OF LIBERAL ARTS

Bachelor of Arts

Arthur Paul Ach	George Halsey Headley
Jack Thorton Blue (With Distinction)	Lewis Helfrich (With Distinction)
Jack Mahlon Brown	Robert Aaron Kasse
Juanita B. Chauncey	Lewis Graham Kidder
John Nicholas Codrea	Elmer Brice McEldowney
Helen Louise Cullison	Barney E. Myers
Barbara Fredericka Curran	Faith Eloise Parsons
William Corey Flannigan	Lucie Ella Perry
Norma Ruane Greer	Robert Bruce Sanderson
Mary Gail Harris	William Crombie Smith

Bachelor of Science

Wava Adkins	George Allen Buckmaster
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Bachelor of Science in Applied Art

Patricia Annie McGovern	Mary Schiller Swartz
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Bachelor of Science in Business Administration

Allen Mason Arbogast	Henry Schneider (With Distinction)
Gilbert Francis Belair	Sam S. Schneideman
John Andrew Lukas	Walter Franklin Slee
Bernard Joseph Maurer	Louis Stile
Albert Reaven	Philip Marvin Wallock
Kenneth Wilbur Schlobohm	Paul Watson

Bachelor of Science in Secretarial Science

Marilyn Eleanor Prempert	Wanda Jane Stoner
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THE COLLEGE OF ENGINEERING

Bachelor of Civil Engineering

Harry Hartline Pastorius	Alfred Ray Seese, Jr.
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Bachelor of Electrical Engineering

Laurence Foley Gilchrist	Clarence George Rohrich, Jr.
George Richard Moreland	John David Silagi
Milton Polstein	Myron George Suderow

Bachelor of Mechanical Engineering

Loren Walter Acker	Zachary Nick Harris (With Distinction)
Robert Lester Bailey	Jack Burdett Hart
Lester B. Bracken	Robert Murray Kallgren
Robert Eugene Dine	Julius Meszaros
Carl Dudugjian	Gerard Alban Parseghian
William Foster Fisher	John Taylor Pope
Eugene Ray Frye	Francis Bernard Ross
Forrest Lee Fullmer	Robert Cronin Staudt
David Samuel Gabriel	Raymond Ferguson Upp

THE COLLEGE OF EDUCATION

Bachelor of Arts in Education

Selma Gladys Ingersoll	Mary VanDoros (With Distinction)
Kathryn Silvers Lee	Mariam Margaret Walter

Bachelor of Science in Education

Frederic Lyman Ayer	Dorothy Clementine Jackson
Jane Carpenter	Margaret Myers Kick
Dorothy Mae Crum	John Henry Lutsch
(With Distinction)	Betty Jane Nelson
Janet Tucker Dillehay	Sister Mary Aloysius Noel, O. P.
Margaret Delia Elliott	Virginia Sabo
Albert Joseph Friess III	(With Distinction)
Gwendolyn Galloway	Dorothy LaVonne Schorle
Roy B. Geissinger	Henrietta Marie Sunde
Frank Manuel Gelber	Saroline Evarda Sunde
Joyce Adele Hall	

GRADUATE STUDY

Master of Arts

Raymond Lincoln Moreland
B.A., University of Akron, 1937

Master of Arts in Education

Robert E. Vernon
B.A. Educ., University of Akron, 1940

Master of Science in Education

David Albert McCallops
B.S. Bus. Adm., University of Akron, 1931

CERTIFICATES

To be commissioned as Second Lieutenants, Officers' Reserve Corps, A. U. S., upon completion of duty at their respective service schools.

Arthur P. Ach	Lewis Helfrich
James W. Algea	Eugene B. Hollander
Robert L. Bailey	Paul T. Ingle
Charles C. Ballard	Lewis G. Kidder
Gilbert F. Belair	Robert E. Linder
Earl W. Bond	Bernard J. Maurer
Robert R. Broadbent	Julius Meszaros
George A. Buckmaster	Thomas F. Minter
Walter H. Cahill, Jr.	Barney E. Myers
William F. Carr	Lewis M. Oatley
Robert E. Dine	Joseph H. Robinson
Bruce W. Duke	Henry Schneider
William H. Farley	Walter F. Slee
William T. Farmer	Louis Stile
William C. Flannigan	Raymond F. Upp
William F. Flower	Philip M. Wallock
Albert J. Friess	Paul Watson
Eugene R. Frye	William P. Wright, Jr.

HONORS AND PRIZES

THE SENIOR ALUMNI PRIZE Mildred Lee Hancock

Awarded to that senior student who has completed the regular undergraduate curriculum with the highest average grade for the work taken, having carried an average load of 12 credit hours per semester.

THE DR. E. B. FOLTZ PRE-MEDICAL PRIZE George Thomas Hranilovich

Awarded each year to that member of the graduating class who makes the highest average grade in all work taken in the four-year pre-medical course and who plans to enter medical college the following year.

HONOR GRADUATE IN R. O. T. C.

Divided: Ned Charles Neidemire Milton Rex Wingard

A graduate of the institution and the Reserve Officers' Training Corps whose attainments in scholarship have been so marked as to receive the approbation of the head of the University, and whose proficiency in military training and intelligent attention to duty have merited the approbation of the Professor of Military Science and Tactics. The honor graduate must be a citizen of the United States, of exemplary habits, and of good moral character.

THE ASHTON PUBLIC SPEAKING CONTESTS

The General College Contest (May 12, 1942)

First Prize Jack Moody
Second Prize Earl Rowe
Third Prize Betty Marie Dugan

Interpretative Reading Contest (May 19, 1942)

First Prize Thomas Denton
Second Prize Barbara Weimer

Upper College Contest (December 18, 1942)

First Prize John Ballard
Second Prize Julia Swedenburg

THE LAFAYETTE CHAPTER OF THE SONS OF THE AMERICAN REVOLUTION MEDAL Hollis Paul Allan

Awarded annually to that member of the Senior Class of the Reserve Officers' Training Corps, demonstrating soldierly bearing, leadership, and general excellence.

THE RUTH DUGAN AERONAUTIC SCHOLARSHIP — 1941-42

Awarded to Peter Lorenz Gitter and Dale Kent Pettry.

THE OHIO STATE UNIVERSITY SCHOLARSHIP — 1941-42

Awarded to Clara Marie Stastny, Class of 1940, the first semester; awarded to Richard S. Collier, Class of 1941, the second semester.

THE PHI SIGMA SOCIETY MEDAL

Awarded to Clyde Richard Weaver, Class of 1942, for excellence in biological work.

PIXLEY SCHOLARS — 1941-42

From the Frank Pixley Memorial Fund, awards are made to students of outstanding ability and promise in the fields of literature, music, and speech. In English—Alice Clover, Clark Livensparger, Ida Mancovitz, Ned C. Neidemire, Mary Rowe, Carmel Simonetti, Fern Fairall Toye, Lois Watkins.

In Speech—Martha Anderson, Juanita Chauncey, Mary Dague, Thomas G. Denton, Anna Jean Dillehay, Robert Kasse, Stanley Keister, Nancy Lee Knepper, Andrew Kochman, Julia Swedenburg, William Van Nostran, Mardelle Witwer.

In Music—Mona Anderson, Bette Burke, Ruth DeKalb, Martha Green, Anita Haines, Estelle Handley, Dorothy Jackson, Betty Johnson, Donald Owen, Gloria Spegal.

HALE SCHOLARS

In February, 1942, the Hale Scholarship Fund was created from the earnings of the Harriet Hale Music Loan Fund, given to the University by the trustee of the Harriet Hale Estate, to be used in the furtherance of education in music.

Bette Burke, Frank Gelber, Anita Haines, Estelle Handley, Dorothy Jackson, Gloria Spegal.

HONORARY FRATERNITIES

PHI SIGMA ALPHA

In Buchtel College of Liberal Arts, for scholarship in the senior class, an average of not less than 90 per cent.; in the junior class, an average of not less than 92 per cent.:

Elected to membership from the Class of 1942

As juniors in 1941:

George Anastos	Joseph Marion Cameron
Martha Marie Bay	Harry Hurtt, Jr.

As seniors:

Albert Robert Decatur	Pauline C. Romig
Frank Victor Dunderman	Carl Schaadt
Leslie C. Myers	Carmel M. Simonetti
Cathleen Virginia Nealis	

As juniors of the class of 1943:

James Algea	Henry Schneider
Betty Knepper	

SIGMA TAU

In the College of Engineering, any engineering student in the Upper College is eligible whose scholastic average for all his previous college work ranks him in the upper third of the combined pre-junior, junior, and senior students. Sociability and practicality are also considered.

Elected to membership from the class of 1942

As a pre-junior in 1940:

Erwin Russell Moats

As seniors:

John J. Cunning
William Mark

As juniors of the class of 1943:

David Samuel Gabriel	Jack Burdett Hart
Zachary Nick Harris	Julius Meszaros

As pre-juniors of the class of 1943:

Roger Buchanan Garver
Charles Ivan Zimmerman

SIGMA PI EPSILON

In the College of Education, elected from the senior class, for scholarship, citizenship, and artisanship. An average grade of 89 per cent. and rank in the upper 15 per cent. of the graduating class:

Letitia Elvira Dobrin	Ned C. Neidemire
Mildred Lee Hancock	Frances Louise Waltz
Estelle R. Handley	Hazel Lorraine Wright

THE UNIVERSITY OF AKRON ALUMNI ASSOCIATION

OFFICERS OF THE GENERAL ASSOCIATION (1942-43)

President	ROY E. BROWNE, '37
1st Vice President	ARTHUR F. RANNEY, '15
2nd Vice President	MRS. WILLIAM H. FLEMING, '11
Secretary	SHERMAN O. SCHUMACHER, '27
Treasurer	MAXWELL P. BOGGS

ALUMNI BOARD OF TRUSTEES

Term Expires June, 1943—CHARLES J. JAHANT, '09; ARDEN FIRESTONE, '29; WILLIAM ROWLEY, '21; KENNETH MASON, '26.

Term Expires June, 1944—MRS. WILLIAM H. FLEMING, '11; EARL R. GILLELAND, '28; ARTHUR RANNEY, '15; CAROLINE PARDEE, '32.

Term Expires June, 1945—DR. E. B. FOLTZ, '96; JOHN PITTENGER, '31; BYRON LARABEE, '26; ARTHUR E. WARNER, '03.

ASSOCIATION BRANCHES

Chicago.....President, DR. CARL E. FRICK, '16, 8512 Constance Avenue, Chicago, Illinois.

Cleveland.....President, ROBERT E. SIPES, '36, 1568 Union Commerce Bldg., Cleveland, Ohio.

Detroit.....President, THEODORE HARRINGTON, '25, 16800 Parkside, Detroit, Michigan.

Los Angeles.....President, GEORGE W. BRUNER, '15, 5471 West Boulevard, Los Angeles, California.

Pittsburgh.....Secretary, MISS IRENE WILLSON, '16, Shadyside Hospital, 5230 Centre Avenue, Pittsburgh, Pennsylvania.

The Alumni Association of the University of Akron was organized in 1874 to further the interests of the college and to promote the fellowship among graduates and former students. To fulfill this purpose, the Association sponsors the annual Homecoming Celebration and the Alumni Banquet at Commencement time, as well as the organization of alumni clubs in other cities, and publishing the alumni magazine, *The Akron Alumnus*.

All records of the Association, including card record files for each graduate and former student, biographical files, and historical data, are kept in the alumni office, headquarters of the Alumni Association, located in Phillips Hall on the campus. Four thousand four hundred and sixty students have been graduated from the University of Akron.

The Board of Trustees of the Alumni Association is the governing body and is composed of the officers and twelve trustees, all of whom must be graduates of the University. Only those who have paid their dues may vote or hold office.

There are three forms of membership dues in the Alumni Association: (1) Annual dues and subscription to *The Akron Alumnus*, \$2; (2) Life Membership Pledge (paid in three installments of \$10 each), \$30; (3) Alumni Loyalty Bond (paid in five installments of \$10 each), \$50.

The first three installments on the \$50 bonds are paid to the Alumni Association in full payment of a life membership in the Association, and the last two installments are paid to the University of Akron to be applied on an Alumni Loyalty Fund. This fund is used for capital investment or endowment purposes as the Board of Directors of the University may deem best.

Checks for dues and pledges should be made payable to the University of Akron Alumni Association.



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