

Edna Larson.

The
UNIVERSITY OF AKRON

AKRON, OHIO

JUNE, 1934

GENERAL CATALOG, 1933-1934
AND
ANNOUNCEMENTS FOR 1934-1935



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The
UNIVERSITY of AKRON

1934 General Catalog
with
Announcements for 1934-35

PUBLISHED AT AKRON, OHIO, JUNE, 1934

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UNIVERSITY CALENDAR

1933

- SEPTEMBER 11-14, INCLUSIVE.....Freshman Week.
MONDAY TO THURSDAY
- SEPTEMBER 15, 16.....Registration and classification for upper classmen
FRIDAY AND SATURDAY, 8:30 A. M. in the Day Session, (Divisions A and B for co-operative engineering students).
- SEPTEMBER 18, MONDAY.....Classes in the Day Session begin. (Division A for co-operative engineering students).
- SEPTEMBER 22, 23.....Registration and classification for Evening Session.
FRIDAY, SATURDAY, 9 A. M. TO 9 P. M.
- SEPTEMBER 25, MONDAY.....Classes in the Evening Session begin.
- NOVEMBER 20, MONDAY.....Final classification of Co-operative Engineering students (Division B).
- NOVEMBER 21, TUESDAY.....Class work begins for Division B in Co-operative Engineering.
- NOVEMBER 30, DECEMBER 1 AND 2 Thanksgiving Recess.
- DECEMBER 21-JANUARY 2, INCLUSIVE.....Christmas vacation for all sessions.

1934

- JANUARY 3, WEDNESDAY, 8 A. M....Classes in all sessions resumed.
- JANUARY 18, THURSDAY.....Observance of Founders Day.
- JANUARY 25-31, INCLUSIVE.....Final examinations.
THURSDAY TO WEDNESDAY.
- JANUARY 29, 30, 31.....Registration and classification of new students for
MONDAY, TUESDAY, the second semester.
WEDNESDAY, 9 A. M.
- FEBRUARY 1 AND 2.....Freshman Program.
THURSDAY, FRIDAY
- FEBRUARY 1, 2 AND 3.....Classification of Co-operative Engineering students (Division B) for the second semester.
THURSDAY, FRIDAY, SATURDAY
- FEBRUARY 5 AND 6.....Classification of students in the Day Session, (Division A for Co-operative Engineering students).
MONDAY, TUESDAY

THE UNIVERSITY OF AKRON

- FEBRUARY 7, WEDNESDAY Classes in Day Session begin.
- FEBRUARY 9 AND 10 Classification for Evening Session.
FRIDAY, SATURDAY, 9 A. M. to
9 P. M.
- FEBRUARY 12, MONDAY Classes in Evening Session begin.
- FEBRUARY 22, THURSDAY Washington's Birthday—holiday.
- APRIL 9-14, INCLUSIVE Spring vacation.
MONDAY TO SATURDAY
- APRIL 16, MONDAY Classes resumed.
- APRIL 16, MONDAY Final classification of Co-operative Engineering
students (Division B).
- MAY 30, WEDNESDAY Memorial Day—a holiday.
- JUNE 7-13, INCLUSIVE Final examinations.
THURSDAY TO WEDNESDAY
- JUNE 10, SUNDAY Baccalaureate Exercises.
- JUNE 15, FRIDAY Commencement.
- JUNE 20, WEDNESDAY Registration for Summer Session in the Teachers
College.
- JUNE 25, MONDAY Registration for Summer Session in the College
of Engineering and Commerce (Division B for
Co-operative Engineering students).
- JULY 27, FRIDAY Summer Session, Teachers College, closes.
- AUGUST 18, SATURDAY Summer Session for Co-operative Engineering
students closes.
- AUGUST 20 TO SEPTEMBER 8 Registration and classification of entering fresh-
men.
- SEPTEMBER 10-13, INCLUSIVE Freshman Week.
MONDAY TO THURSDAY
- SEPTEMBER 14, 15 Registration and classification for upperclassmen
in the Day Session. (Divisions A and B for Co-
operative Engineering students).
- SEPTEMBER 17, MONDAY Classes in Day Session begin. (Division A for Co-
operative Engineering students.)
- SEPTEMBER 21, 22 Registration and classification for Evening Session.
FRIDAY, SATURDAY, 9 A. M. to
9 P. M.
- SEPTEMBER 24, MONDAY Classes in Evening Session begin.
- NOVEMBER 19, MONDAY Final classification of Co-operative Engineering
students (Division B).
- NOVEMBER 20, TUESDAY Class work begins for Division B in Co-operative
Engineering.
- NOVEMBER 29, 30, DECEMBER 1 Thanksgiving Recess.
- DECEMBER 21, FRIDAY AT 5 P. M. Christmas vacation for all sessions begins.

1935

- JANUARY 7, MONDAY AT 8 A. M. Classes in all sessions resumed.
- JANUARY 18, FRIDAY Observance of Founders Day.
- JANUARY 24-30, INCLUSIVE Final examinations.
THURSDAY TO WEDNESDAY
- JANUARY 23, 29, 30. ^{5-9 P. M. Evening Regis.} Registration and classification of new students for
MONDAY, TUESDAY, ^{Oct. 2} the second semester.
WEDNESDAY, 9 A. M. ^{Thurs. & Sat.}
- JANUARY 31, FEBRUARY 1, ~~2~~ Freshman Program.
THURSDAY, FRIDAY
- ~~JANUARY 24~~, FEBRUARY 1 AND 2 Classification of Co-operative Engineering students
THURSDAY, FRIDAY, SATURDAY (Division B) for the second semester.
Feb. 1 & 2 New Freshman Registration
- FEBRUARY 4 AND 5 Classification of students in the Day Session,
MONDAY, TUESDAY (Division A for Co-operative Engineering stu-
dents). *Evening Sch. classes begin*
- FEBRUARY 6, WEDNESDAY Classes in Day Session begin.
- FEBRUARY 8 AND 9 Classification for Evening Session.
FRIDAY AND SATURDAY, 9 A. M.
TO 9 P. M.
- FEBRUARY 11, MONDAY Classes in Evening Session begin.
- FEBRUARY 22, FRIDAY Washington's Birthday—a holiday.
- APRIL 8, MONDAY Final classification of Co-operative Engineering
students (Division B).
- APRIL 15-20, INCLUSIVE Spring vacation.
MONDAY TO SATURDAY
- APRIL 22, MONDAY Classes resumed.
- MAY 30, THURSDAY Memorial Day—a holiday.
- JUNE 6-12, INCLUSIVE Final examinations.
THURSDAY TO WEDNESDAY
- JUNE 9, SUNDAY Baccalaureate Exercises.
- JUNE 14, FRIDAY Commencement.
- JUNE 18, TUESDAY Registration for Summer Session in the Teachers
College.
- JUNE 24, MONDAY Registration for Summer Session in the College of
Engineering and Commerce (Co-operative Engi-
neering students, Division B).
- JULY 26, FRIDAY Summer Session in Teachers College closes.
- AUGUST 17, SATURDAY Summer Session for Co-operative Engineering
students closes.

BOARD OF DIRECTORS

L. E. JUDD.....	Term expires 1936
MRS. T. A. CHITTENDEN.....	Term expires 1936
JAMES W. SCHADE.....	Term expires 1936
JOHN W. THOMAS.....	Term expires 1938
LEE J. FERBSTEIN.....	Term expires 1938
CHARLES E. SMOYER.....	Term expires 1938
P. W. LITCHFIELD.....	Term expires 1940
HURL J. ALBRECHT.....	Term expires 1940
CLETUS G. ROETZEL.....	Term expires 1940

OFFICERS FOR 1934

JOHN W. THOMAS.....	<i>Chairman</i>
CLETUS G. ROETZEL.....	<i>Vice Chairman</i>
M. P. BOGGS.....	<i>Secretary</i>

COMMITTEES FOR 1934

Finance and Investments: SCHADE, ALBRECHT, JUDD, FERBSTEIN, THOMAS, *ex-officio*.
Buildings and Grounds: ROETZEL, LITCHFIELD, CHITTENDEN, SMOYER, THOMAS,
ex-officio.

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

*H. E. SIMMONS, D. Sc.....	<i>President of the University</i>
A. I. SPANTON, M. A.....	<i>Vice President of the Faculty and Dean of Buchtel College of Liberal Arts.</i>
CHARLES BULGER, Ph. D.....	<i>Dean of Graduate Work</i>
F. E. AYER, C. E.....	<i>Dean of the College of Engineering and Commerce</i>
HOWARD R. EVANS, Ph. D.....	<i>Dean of the Teachers College and Director of the Summer Session</i>
**DONFRED H. GARDNER, M. A.....	<i>Dean of Men</i>
MARJORIE MITCHELL, M. A.....	<i>Dean of Women</i>
DONALD J. SHANK, A. B.....	<i>Acting Dean of Men (First semester of 1933-34)</i>
MAXWELL P. BOGGS, A. B.....	<i>Treasurer of the University</i>
RICHARD H. SCHMIDT, M. A.....	<i>Registrar and Director of the Evening Session</i>
ULYSSES S. VANCE, A. B.....	<i>University Editor</i>
GLADYS P. WEEKS.....	<i>Secretary to the President</i>
JOSEPHINE A. CUSHMAN, B.L.S.....	<i>Librarian</i>
ADRIAN E. DAVIS, M. D.....	<i>University Physician</i>
ERBA LABSON.....	<i>Assistant Registrar</i>
CECIL ROGERS, B.S. IN BUS. AD.....	<i>Assistant Treasurer</i>
SHERMAN O. SCHUMACHER, A. B.....	<i>Alumni Secretary</i>

*Assumed office July 15, 1933.
 **On leave the first semester 1933-34.

GENERAL FACULTY

1933-1934

Note: The date in parentheses indicates 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, 1912; D. Sc., College of Wooster, 1934.
- PAUL ACQUARONE, *Assistant Professor of Botany and Geology* (1931)
B. S., Pennsylvania State College; Ph. D., Johns Hopkins, 1929.
- JOHN ADENDORFF, *Professor of Industrial Engineering* (1929)
M. E., Cornell University, 1907.
- DAVID E. ANDERSON, *Instructor in Chemistry* (1923)
A. B., Augustana College; M. S., University of Chicago, 1923.
- DONALD E. ANTHONY, *Associate Professor of Economics* (1929)
A. B., Stanford; M. A., Cornell University; Ph. D., Stanford, 1928.
- FREDERIC E. AYER, *Dean of the College of Engineering and Commerce* (1914)
C. E., Lafayette College, 1900.
- JANE S. BARNHARDT, *Assistant Professor of Art* (June, 1924)
B. E., M. Ed. 1930, University of Akron.
- HARRY A. BENDER, *Assistant Professor of Mathematics* (1928)
A. B., Ohio University; A. M., Ph. D. 1923, University of Illinois.
- ANNA BINET, *Instructor in Latin and Greek* (temporary appointment)
A. B., University of Akron, 1932.
- HOWARD H. BLAIR, *Assistant Professor of Physical Education and Athletic Coach* (1927)
B. S., Ohio State University; A. M., Columbia, 1927.
- MAXWELL P. BOGGS, *Treasurer of the University* (March, 1927)
A. B., Muskingum College.
- CHARLES BULGER, *Professor of Modern Languages, and Dean of Graduate Work* (February, 1910)
Ph. B., Buchtel College; A. M., Ph. D. 1925, University of Wisconsin.
- JOHN BULGER, *Associate Professor of Structural Engineering* (1918)
B. C. E., Ohio State University, 1918.
- RENA NANCY CABLE, *Instructor in Art* (1927)
B. E., M. Ed. 1931, University of Akron.
- JAMES M. CAMPBELL, *Special teacher of violin* (1933)
Diploma, Ithaca Conservatory of Music; private instruction with Ottakar Sévcik and Paul Stoering, 1921.
- CHARLES E. COATES, *Professor of Military Science and Tactics* (August, 1931)
Lt. Colonel, Infantry, U. S. A.; C. E., Pennsylvania Military College, 1908.
- WALTER A. COOK, *Professor of Chemistry* (1926)
B. A., M. A., Ph. D. 1924, University of Cincinnati.
- BEATRICE S. COUNTS, *Instructor in Home Economics* (1929-1931, 1933-34)
B. A., Ohio Wesleyan; B. S., Simmons; M. S., Columbia, 1926.
- HOWARD I. CRAMER, *Assistant Professor of Chemistry* (1933)
B. S., University of Akron; M. S., Ph. D. 1928, University of Wisconsin.
- EARL W. CRECRAFT, *Professor of Political Science* (1919)
Ph. B., Franklin College; A. M., Ph. D. 1915, Columbia.
- HARMON O. DEGRAFF, *Professor of Sociology* (1930)
B. A., M. A., University of Iowa; Ph. D., University of Chicago, 1926.
- FRANCESCO B. DELEONE, *Special teacher of piano* (1921)
M. Mus., Royal Conservatory of Naples; D. Mus., Capital University, 1932.
- *HOWARD M. DOUTT, *Assistant Professor of Secretarial Science, and Head of the Department of Secretarial Science* (1927)
A. B., University of Akron, 1930.

*On leave 1933-34.

- SARAH E. DUNCKLEY, *Director of Physical Education for Women* (1921)
B. S., M. S. in Ed. 1931, University of Akron.
- ROSS C. DURST, *Professor of Civil Engineering* (1917)
B. S. in C. E., C. E. 1922, Ohio Northern University.
- MAXINE M. DYE, *Instructor in Speech* (1930)
A. B., Penn College; M. A., University of Wisconsin, 1930.
- ELMER ENDE, *Assistant Professor of Organ and Theory of Music* (1930)
B. Mus., American Conservatory of Music, Chicago; M. A., Ohio State, 1930.
- HOWARD R. EVANS, *Dean of the Teachers College, and Professor of School Administration* (1929)
A. B., Indiana State Teachers College; M. A., Columbia; Ph. D., Northwestern University, 1930.
- MARGARET F. FANNING, *Instructor in Modern Languages* (1927)
A. B., University of Akron; A. M., Radcliffe, 1926.
- ELDORA FLINT, *Instructor in Secretarial Science* (1929)
B. Ed., University of Akron, 1930.
- OMER R. FOUTS, *Assistant Professor of Physics* (1926)
A. B., Wittenberg; A. M., Ohio State University, 1925.
- ROLLAND D. FOX, *Assistant Professor of Bacteriology* (part-time) (1921)
B. S., M. S. 1923, University of Akron.
- *GERALD M. FRANCIS, *Assistant Professor of Economics* (1933)
A. B., Knox; M. A., Ph. D. 1927, University of Illinois.
- °DONFRED H. GARDNER, *Associate Professor of History, and Dean of Men* (1924)
A. B., A. M. 1923, Princeton University.
- BURTON A. GARLINGHOUSE, *Director of Glee Clubs* (1933)
A. B., University of Michigan.
- CLYDE H. GHEE, *Instructor in Military Science and Tactics* (February, 1931)
Sergeant, Infantry, U.S.A. (D. E. M. L.).
- WALTER A. GILMOUR, *Professor of Co-ordination* (1922)
B. S. in C. E., Norwich University, 1914.
- ERNEST C. GODING, *Assistant Professor of Military Science and Tactics* (1931)
Captain, Infantry, U.S.A.
- JOHN E. GRASTORF, *District Co-ordinator in Industrial Teacher Training* (January, 1932)
B. S., The University of Toledo, 1930.
- DWIGHT E. GRAY, *Instructor in Physics* (1932)
A. B., Muskingum; A. M., Ph. D. 1932, Ohio State University.
- RUSSELL J. GREENLY, *Assistant Professor of Vocational Education* (1927)
B. S., Pennsylvania State College; M. S. in Ed., University of Akron, 1932.
- FRED S. GRIFFIN, *Professor of Mechanical Engineering* (1921)
M. E., Ohio State University, 1911.
- EUGENE GEORGE HAAS, *Instructor in Chemistry* (January, 1929)
B. S., University of Akron; M. S., University of Toronto, 1922.
- LOUIS F. HAMPEL, *Instructor in Commerce and Business Administration* (February, 1933)
B. S. in Com., University of Akron; M.B.A., Northwestern University, 1931.
- GEORGE L. HAYES, *Professor of Psychology* (1921)
Ph. B., Ohio University; A. M., Ph. D. 1921, University of Pittsburgh.
- DONALD HAYWORTH, *Professor of Speech* (1923)
A. B., Grinnell; A. M., University of Chicago; Ph. D., University of Wisconsin.
- FRED F. HOUSEHOLDER, *Professor of Physics* (1918)
B. A., M. A. 1916, University of Wisconsin.

*Resigned, December 31, 1933.

°On leave first semester, 1933-34.

- EDGAR P. JONES, *Instructor in Biology* (1932)
B. S., M. S., Ph. D. 1932, University of Pittsburgh.
- JOHN L. JONES, *Professor of Mathematics* (February, 1920)
Ph. B., Lafayette College; M. A., Ph. D. 1911, Yale University.
- DON A. KEISTER, *Part-time Instructor in English and French* (1931)
A. B., A. M. 1933, University of Akron.
- CLARA M. KEMLER, *Director of Kindergarten-Primary Training* (1928)
A. B., A. M. 1926, Wittenberg College.
- DAVID KING, *Instructor in Political Science* (1927)
A. B., Maryville; A. M., University of Chicago.
- ETHEL M. KLAHRE, *Part-time Instructor in Secretarial Science, and Assistant Librarian* (1928)
A. B., University of Akron; B. L. S., Western Reserve, 1928.
- FRANCES M. KNIGHT, *Part-time Instructor in Speech* (1932)
A. B., Penn College; M. A., University of Iowa, 1932.
- WALTER C. KRAATZ, *Professor of Biology* (1924)
B. A., University of Wisconsin; M. A., Ph. D. 1923, Ohio State University.
- EMERY L. KUHNES, *Professor of Education* (1923)
B. S., Upper Iowa University; Pd. M., Ph. D. 1915, New York University.
- EBBA LARSON, *Assistant Registrar* (August, 1926)
- ELIZABETH A. LATHROP, *Instructor in Home Economics, Acting Head of the Department of Home Economics, 1933-34* (1927)
B. S., M. A. 1927, Columbia University.
- CHESTER LEBO, *Special teacher of Band Instruments, and Director of the University Band* (1932)
Diploma, Conn National School of Music; B. M., Dana Musical Institute.
- WARREN W. LEIGH, *Professor of Commerce and Business Administration* (1926)
A. B., University of Utah; M. B. A., Northwestern University, 1925.
- LOUIS D. LIPPINCOTT, *Instructor in Military Science and Tactics* (1933)
Sergeant U.S.A., (D.E.M.L.)
- MISS WILL LIPSCOMBE, *Instructor in Mathematics* (1921)
B. S., Florida State College; M. S., Ohio State University, 1926.
- CARITA McEBRIGHT, *Assistant Professor of Speech* (1910)
A. B., Cornell University, 1887.
- HAROLD T. MCKEE, *Assistant Professor of Business Administration* (1929)
B. S., M. A. 1929, University of Pittsburgh.
- FRANK J. S. MATURO, *Instructor in Spanish* (1930)
A. B., Mount Union; M. A., Columbia, 1923.
- °ELSIE M. MAXWELL, *Professor of Home Economics* (1929)
B. S., Columbia; M. A., University of Chicago, 1928.
- MARJORIE MITCHELL, *Associate Professor of English, and Dean of Women* (1923)
A. B., Western Reserve; A. M., Radcliffe, 1925.
- JAY L. O'HARA, *Assistant Professor of Economics* (January 1, 1934)
A. B., University of Michigan; Ph. D., University of Minnesota, 1927.
- RAYMOND B. PEASE, *Professor of English* (1921)
B. A., University of Wisconsin; A. M., Harvard; Ph. D., University of Wisconsin, 1921.
- RUTH MARGUERITE RAW, *Assistant Professor of English* (1929)
A. B., A. M., Hiram; A. M., Columbia, 1924.
- KATHARINE M. REED, *Assistant Professor of Modern Languages* (1918)
B. A., Newcomb College; M. A., Tulane, 1905.

°On leave 1933-34.

- GENEVIEVE RIDER, *Part-time Instructor in Public School Music* (1928)**
B. M. Ed., Northwestern University, 1925.
- EDGAR C. ROBERTS, *Instructor in English* (1926)**
B. S. in Ed., M. A. 1924, Ohio State University.
- DAVID L. RUESCH, *Instructor in Commerce and Business Administration*
(February, 1932)**
B. A., University of Utah; M. B. A., Northwestern University, 1931.
- NEWTON OWEN SAPPINGTON, *Instructor in History* (1932)**
A. B., Emory; M. A., University of North Carolina; Ph. D., Wisconsin, 1932.
- ERNEST F. SCHAEFER, *Director of Testing Laboratory, and Assistant Professor of Chemistry* (1921)**
B. E. M., Ohio State University, 1918.
- RICHARD H. SCHMIDT, *Registrar, and Director of the Evening Session* (1918)**
A. B., Wesleyan University; M. A., Columbia, 1915.
- FREDERICK S. SEFTON, *Professor of Physical Education* (1915)**
B. S., Colgate; M. Ed., Harvard, 1925.
- SAMUEL SELBY, *Assistant Professor of Mathematics* (1927)**
A. B., A. M., University of Manitoba; Ph. D., University of Chicago, 1929.
- LUCY T. SELF, *Part-time Instructor in Secretarial Science* (1932)**
A. B., Ohio Wesleyan University, 1920.
- *DONALD J. SHANK, *Acting Dean of Men* (1931)**
A. B., University of Akron, 1931.
- ROY V. SHERMAN, *Assistant Professor of Political Science* (1929)**
A. B., A. M., Ph. D. 1927, State University of Iowa.
- *RUTH MCNEIL SLOAN, *Part-time Instructor in History* (1931)**
A. B., University of Akron, 1930.
- HARRY A. SMITH, *Assistant Professor of Physical Education* (1928)**
B. E., M. Ed. 1929, University of Akron.
- PAUL C. SMITH, *Assistant Professor of Electrical Engineering* (1925)**
B. S. in E. E., Purdue University, 1917.
- NELSON S. SNYDER, *Instructor in Education* (1927)**
A. B., Mount Union; A. M., University of Akron, 1927.
- ALBERT I. SPANTON, *Professor of English, Vice President of the Faculty, and Dean of Buchtel College of Liberal Arts* (1900)**
A. B., Buchtel College; A. M., Harvard, 1905.
- JOHN F. STEIN, *Special Teacher of Voice, and Director of Assembly Singing* (1933)**
Granted teacher's certificate in Voice by Herbert Witherspoon; private instruction with Enrico Rosati, Graham Reed of Chicago Musical College, and Maria Kurenko.
- ELIZABETH STEVENSON, *Instructor in English* (1929)**
B. A., University of Pittsburgh; A. M., Columbia, 1929.
- CLIFFORD STICKNEY, *Instructor in English* (1927)**
B. A., M. A. 1926, University of Illinois.
- ROBERT E. SWAB, *Assistant Professor of Military Science and Tactics* (1930)**
Graduate of Infantry School, Fort Benning, Ga. Captain, Infantry, U.S.A. (D.O.L.).
- AUDRA TENNEY, *Instructor in Secretarial Science* (1926)**
A. B., University of Akron, 1926.
- CLARENCE R. UPP, *Assistant Professor of Mechanical Engineering* (1925)**
M. E., Ohio State University, 1910.
- JULYSES S. VANCE, *Instructor in Journalism, and University Editor* (1923)**
A. B., State University of Iowa, 1923.
- RALPH M. VAN METRE, *Instructor in Business Administration* (1929)**
B. S. in Bus. Adm., Ohio State University; M. A., University of Chicago, 1933.

*First semester, 1933-34.

- JOHN T. WALTHER**, *Professor of Electrical Engineering* (1920)
B. S. in E. E., University of Michigan, 1909.
- EARL R. WILSON**, *Instructor in Engineering Drawing* (1929)
B. M. E., Ohio State University, 1916.
- NONA MARIE WILSON**, *District Instructor in Adult Education in Home Economics* (1931)
B. S., Ohio State University, 1927.
- CARY C. WOOD**, *Associate Professor of Philosophy* (1928)
B. S., Ohio University; A. M., Columbia; Ph. D., Cincinnati, 1928.
- ARTHUR M. YOUNG**, *Professor of Latin and Greek* (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.
- ETHEL S. KLAHRE**, *Circulation Librarian* (1928)
A. B., University of Akron; B. L. S., Western Reserve, 1928.
- VIVIEN MCCARTHY SUTTON**, *Catalog Librarian* (1927)
Certificate, Tuscarawas Co. Normal School; Diploma, Chautauqua School for Librarians, 1927
- NORMA OLIN IRELAND**, *Reference Librarian* (July, 1929)
A. B., University of Akron; B.L.S., Western Reserve, 1929.
- HELEN McGRATH CURNOW**, *Reserve Librarian* (1931)
A. B., University of Akron, 1931.
- MARY GRACE HARRINGTON**, *Library Assistant* (1932)
A. B., University of Akron, 1932.

PART-TIME INSTRUCTIONAL STAFF

(Not on the regular Day Session staff)

SUMMER SESSION—1933

- L. L. EVERETT, B.S.** *Education*
Principal of Central High School, Barberton, Ohio.
- U. L. LIGHT, A.B.** *Education*
Superintendent of Barberton Schools, Barberton, Ohio.
- C. J. MAYHEW, M.S. in Ed.** *Education*
Principal of Wadsworth High School, Wadsworth, Ohio.
- ISABEL R. WILSON, B.S., M.A.** *Education*
Principal of Lincoln School, Akron.

EVENING SESSION, 1933-34

- U. F. W. ALBRECHT.** *German*
Attended the University of Berlin.
- CHARLES E. BRYANT.** *Nature Study*
A.B., Brown University; Principal of South High School, Akron.
- JEANNE COHEN.** *Secretarial Science*
Assistant in the Registrar's Office.
- FLORENCE R. DAY.** *Family Case Work*
A.B., University of Wisconsin; M.S. in Social Admin., Western Reserve University.
- GIBARD V. DONLEY.** *Philosophy*
A.B., Hiram; B.D., Oberlin College.
- ADRIAN FRENCH.** *Art*
A.B., University of Akron; Graduate of Chicago Art Institute.
- ROSE E. GOODMAN.** *English*
A.B., Otterbein; A.M., Ohio State University.

NELLIE M. LEISY.....	<i>Secretarial Science</i>
A.B., University of Akron.	
RITA R. McSHAFFREY.....	<i>Speech</i>
A.B., University of Akron.	
CECIL A. ROGERS.....	<i>Accounting</i>
B.S. in Admin., University of Akron.	
FRANK C. MOORE.....	<i>Industrial Arts</i>
A.B., University of Michigan; M.A., Western Reserve University.	
SAMUEL OSTROFF.....	<i>Accounting</i>
B.S. in Bus. Admin., University of Akron.	
THOMAS E. POWERS.....	<i>Business Law</i>
A.B., Cornell University; LL.B., Cleveland Law School.	
THEODOR TROLLER.....	<i>Physics</i>
Ph.D., Aerodynamics Institute, Aachen, Germany.	
LEWIS C. TURNER.....	<i>Public Speaking</i>
A.B., Hiram; M.Ed., University of Akron.	
RUTH WHORL.....	<i>Art</i>
B.S. in Ed., Ashland College.	
ALYS ROYSHER YOUNG.....	<i>Art</i>
B.E.A., Cleveland College, Western Reserve University.	

PUBLIC SCHOOL OFFICERS AND TEACHERS CO-OPERATING WITH THE TEACHERS COLLEGE

*THOMAS W. GOSLING, PH.D.....	<i>Superintendent of Schools</i>
RALPH H. WATERHOUSE, B.S.....	<i>Superintendent of Schools</i>

CRITIC TEACHERS

	School
MRS. JENNIE H. ADAMS, B.E.....	<i>Laundale</i>
MABEL BARBER, M.A. IN ED.....	<i>Central</i>
MAUDE BAUGHIN, B.E.....	<i>Rimer</i>
GLEN BOOTS.....	<i>Buchtel</i>
RUTH BRADLEY, B.E.....	<i>Garfield</i>
MRS. BLANCHE BRADY, PH.B.....	<i>Central</i>
ANNA CHALFANT, B.A.....	<i>Central</i>
JESSIE CHARRINGTON, B.A.....	<i>West</i>
MARY FINNEY, A.B.....	<i>Henry</i>
NELLIE FISHER, M.S.....	<i>North</i>
NELLIE GLOVER.....	<i>Music Supervisor</i>
H. M. HORST, PH.B., M.A. IN ED.....	<i>West</i>
GEORGE T. KIDDER, B.A.....	<i>Garfield</i>
VESTA LEIGHT.....	<i>Leggett</i>
LYDIA OBERDECK, A.B.....	<i>West</i>
DORIS PITTENGER, A.B.....	<i>West</i>
STELLA POTSCHNER, B.E.....	<i>Schumacher</i>
DOROTHY PRESTON, A.B.....	<i>North</i>
MRS. GRACE RICHARDSON, B.S.....	<i>Central</i>
MARGARET ROOK, B.E.....	<i>Crosby</i>
MRS. RUTH SAMSON, M.A. IN ED.....	<i>Central</i>
MRS. EVELYN SILLS.....	<i>Ellet</i>
SAMUEL STRAUSS, M.A.....	<i>Garfield</i>
BESS TUCKER, B.A.....	<i>Central</i>
C. VERMILLION, B.S.....	<i>North</i>
D. B. ZOOK, M.A. IN ED.....	<i>South</i>

*Resigned April 1, 1934.

THE UNIVERSITY OF AKRON

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 October, 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. MCCOLESTER, D.D., LITT.D.	1872-1878
*E. L. REXFORD, 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.	1913-1914

PRESIDENTS OF THE UNIVERSITY OF AKRON

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

*Deceased.

DEPARTMENTS, EQUIPMENT AND STANDARDS

BUCHTEL COLLEGE OF LIBERAL ARTS

The College of Liberal Arts endeavors to carry out the wishes of the founder of Buchtel College, namely, "to secure the highest grade of classical, scientific and literary culture." Four-year courses are offered leading to the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Science in Home Economics, and Bachelor of Science in Applied Art.

THE COLLEGE OF ENGINEERING AND COMMERCE

The College of Engineering and Commerce offers courses in various branches of engineering, in commerce and finance, and in secretarial science. All engineering courses are on the co-operative basis after the freshman year. Commerce and Secretarial Science courses are on the full-time basis. A certificate course and a four-year secretarial course are offered.

Five years of eleven months each are required to complete an engineering course. A school, work and vacation calendar appears in the outline of engineering courses.

TEACHERS COLLEGE

The Teachers College was established in 1921 in cooperation 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.

GRADUATE STUDY

The applicant for admission to graduate study must satisfy the Committee on Admissions and Advanced Standing that all required secondary school and college credits have been secured and that the candidate has completed all the requirements for a bachelor's degree from a college of recognized standing. A transcript must be sent to the Registrar direct from the institution from which the applicant has 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.

THE EVENING SESSION

All colleges of the University offer courses in the Evening Session. Credit is given toward a degree for regularly prescribed college subjects. Candidates for a degree must satisfy the entrance requirements of the University.

THE SUMMER SESSION

A Summer Session of six weeks in the Teachers College furnishes instruction to teachers and other persons who seek opportunities for training. Courses are also offered to meet the needs of university students.

COMBINATION COURSES

To students wishing to enter the profession of law, the College of Liberal Arts offers the opportunity of a combination Arts-Law course with the Law School of Western Reserve University, and also holds itself ready to consider, in individual cases, similar combination courses with other high-grade professional schools which require at least three years of liberal arts work for entrance.

STANDARDS

The University of Akron maintains in all its departments courses of standard grade and is in every sense a standard American college, as is evidenced by its membership in such standardizing organizations as the Ohio College Association, the North Central Association of Colleges and Secondary Schools, and the American Council on Education. It is included in the approved list of the Association of American Universities for admission of graduates to standard and professional schools, and is approved for pre-medical work by the American Medical Association. Its women graduates with approved degrees (requiring at least two years or a minimum of sixty 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 at the head of College Street, only a short distance from the business center of the city.

Buildings on the campus include Buchtel Hall, in which are located the administration offices and classrooms; Carl F. Kolbe Hall, housing Bierce Library and the Women's League rooms; Knight Chemical Laboratory; Crouse Gymnasium; R.O.T.C. Armory; Curtis Cottage, housing the department of home economics, including laboratories; Phillips Hall, housing the art department; Olin Hall, occupied by the departments of biology and physics, with laboratories; the central heating plant; and the Engineering Building, planned originally for engineering classes, and laboratories, which also furnishes classrooms for the commerce department.

One of the houses on the southwestern corner of the campus is used as a music building. Through the courtesy of the Akron School Board, the Teachers College and the department of secretarial science occupy 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.

BIERCE LIBRARY

The University Library, known as Bierce Library in recognition of a bequest received from General L. V. Bierce in 1874, occupies the greater part of Carl F. Kolbe Hall.

The library contains 36,796 cataloged volumes, about 13,754 pamphlets, and a considerable amount of other material concerning the history of Buchtel College and the University of Akron not counted.

Departmental libraries are maintained in Olin Hall for the biology and physics departments, and in the Engineering Building for the department of engineering.

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

ADMISSION

METHODS OF ADMISSION

Students are admitted by examination, high school certificate, or honorable dismissal from other colleges or universities, or if over twenty-one years of age, as special students not in candidacy for a degree.

ENTRANCE REQUIREMENTS

1. Graduation from an accredited four-year high school or from an accredited senior high school.

2. For admission to the University of Akron the average of the work done by the student during his last two years of high school shall be the passing grade of that school plus one-third the interval between the passing grade and 100.

3. Distribution of units in accordance with the following table:

	Liberal Arts	Home Economics	Engineering	Commer- ce and 4-yr. Secretarial	2-yr. Secretarial	Teachers	Maximum No. of Units Allowed
English	3	3	3	3	3	3	4
Foreign Language	2	2	0	2	2 ¹	2 ²	6
History	1	1	1	1	1	1	4
Science	1	1	1	1	1	1	4
Algebra	1½	1	1½	1½	1	1 ³	2
Pl. Geometry	1	1	1	1	1	1	1
Solid Geometry	0	0	½	0	0	0	½
Vocational	0	0	0	0	0	0	3 ⁴
Total	9½	9	8	9½	7 or 8	9	

In addition to these, enough additional units are required to make a total of 15 units without exceeding the maximum allowed in any one group.

If the applicant is a graduate from an accredited three-year Senior High School he must present 12 units of work completed in a Senior High School and the necessary subject requirements from the 9th grade of the Junior High School.

¹One unit of plane geometry or 2 units of foreign language are required.

²Not required for the Commercial Teachers and the Industrial Arts and Vocational Education courses.

³1½ units of algebra are required for the Industrial Arts and Vocational Education courses.

⁴Of the elective units accepted for the two-year secretarial course, six units may be in vocational subjects distributed as follows:

If 6 units are offered, at least 4 units should be commercial.

If 5 units are offered, at least 3 units should be commercial.

If 4 units are offered, at least 2 units should be commercial.

No student from an Akron high school who is not a graduate will be admitted with less than 16 units except upon recommendation of the Superintendent of Schools.

REGISTRATION AND CLASSIFICATION

Students who wish to gain admission by certificate should ask the principal of the high school to mail a statement of 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 20 and September 8. *Entering freshmen are not allowed to register after noon of September 8.* A \$5.00 deposit, required at the time of registration, is applied on semester fees.

ENTRANCE AT MID-YEAR

Entering students are accepted at mid-year in courses which begin at that time, subject to the regular admission requirements of the University of Akron.

Entering freshmen will register for the second semester on January 28, 29, and 30, 1935, from 9:00 a. m. to 4:00 p. m.

FRESHMAN WEEK

The University of Akron in 1926 adopted a plan 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 1934-35, all entering freshmen are required to report at 1 p. m. on Monday, September 10, and attend all sessions of the week, Monday to Thursday, inclusive.

For the second semester, only two days, Thursday, January 31, and Friday, February 1, are devoted to a Freshman program.

PSYCHOLOGICAL TESTS

Freshman Week tests are used to aid in determining the amount of work students should be permitted to carry, in advising the amount of outside work which students may undertake, in deciding the dismissal or suspension of students, in considering reinstatement of suspended students, in appointing student assistants, and in determining admission to certain advanced courses.

Students transferring from other Colleges are required to take the psychological tests given during Freshman Week.

REGISTRATION DAYS

The registration days for upper classmen for 1934-35 are: Day Session in all departments of the University, September 14 and 15, Friday and Saturday, 8:30 a. m. to 4:30 p. m. for the first semester. For the second semester, February 4 and 5.

Evening Session, September 21 and 22, 9:00 a. m. to 9:00 p. m. for the first semester; February 8 and 9, 9:00 a. m. to 9:00 p. m. for the second semester.

After these dates, a late registration fee of \$5.00 will be charged to day students, and a fee of \$1.00 to Evening Session students.

SPECIAL STUDENTS

Students who have not fulfilled the entrance requirements, and who are 21 years of age or more, are known as special students. Such students are not admitted in candidacy for a degree, but are permitted to enter any classes for which they may be prepared.

IRREGULAR STUDENTS

Students who have fulfilled the entrance requirements, but who are not pursuing a regular course in candidacy for a degree, are known 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.

Advanced credit will not in general be granted in excess of 16 credit hours per semester nor will the total number of hours granted exceed the total number of quality points earned. Evaluations of work taken elsewhere are tentative until a year of residence work has been completed at the University of Akron.

Evaluations of work taken elsewhere and statements of work required for a degree or diploma are not valid for indefinite periods. In general, such statements presuppose that the course will be completed in the minimum period of time.

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.

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.

GRADUATE STUDY AND THE MASTER'S DEGREE

In certain colleges and departments—especially in the Teachers College—opportunity is offered properly qualified persons to study for the Master's degree. For further information, address Professor Charles Bulger, Dean of Graduate Work.

EMPLOYMENT FOR STUDENTS

The Dean of Men and the Dean of Women endeavor to place students who are seeking part-time employment by keeping these students informed of opportunities which come to their offices.

The Dean of the Teachers College is chairman of the Appointment Bureau for Teachers. Many students are placed in desirable positions each year.

FEEES AND EXPENSES

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

SUMMARY STATEMENT

Tuition is free to citizens of Akron. Tuition charges for those not citizens of Akron are shown below.

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

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

Student Activity Fee. Day Session: Charged all undergraduate students enrolled for eight credit hours or more. This includes a student athletic and dramatic ticket. *Evening Session:* A small fee charged each student enrolled.

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

Late Registration Fee.

Miscellaneous Fees.

Refunds.

TUITION

Citizens of the City of Akron shall not be charged tuition in any school or department of the University.

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

1. Any unmarried person under 21 years of age living within the City of Akron with his parents, if Akron is the place of domicile of such parents.
2. An unmarried person over 21 years of age who has resided in the City of Akron continuously for one year or more immediately prior to registering in the University for any semester, and who has chosen Akron as the place of his domicile.
3. A husband living with his wife, or a wife living with her husband, within the City of Akron, when such husband and wife have chosen Akron as the place of their domicile.

In every other case the burden of proving citizenship in the city of Akron shall rest with the person claiming the right of free tuition.

Any person enjoying the right of free tuition shall forfeit the right upon abandoning the city of Akron as his place of domicile, but may regain the right upon re-establishing his domicile in Akron.

Any student who makes false statements of fact concerning his eligibility for admission or abatement of tuition charges is liable to immediate expulsion from the University.

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 towards the University levy, by presenting receipted tax bill for that half year.

TUITION FEES

Payable only by students who are not citizens of Akron:

College of Engineering and Commerce, co-operative students:	
First and second semesters, each	\$60.00
Summer Session	25.00
College of Liberal Arts, Teachers College, and full-time students in the College of Engineering and Commerce, per semester:	
For 8 hours or more	90.00
For less than 8 hours, per hour	10.00
Summer Session and Evening Session	Free

MAINTENANCE FEE

Payable by all students in the Day Session:

For 1 or 2 credit hours	\$12.00
For 3, 4 or 5 credit hours, per credit hour	6.00
For 6 credit hours or more	35.00

Payable by resident students in the Evening Session:

For 1 to 5 credit hours inclusive, per credit hour	6.00
For 6 credit hours or more	35.00

Payable by non-resident students in the Evening Session:

For any number of credit hours, per credit hour	6.00
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Payable by all students in the Evening Session:

Registration Fee, per semester	1.00
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Payable by all students in the Summer Session:

For any number of credit hours, per credit hour	6.00
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An advance deposit of \$5.00 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 if the student takes part in Freshman Week.

GRADUATION FEE

(Payable at least ten days before graduation day)

Bachelor's degree	\$5.00
Master's degree	10.00

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
Payable by all students in the Summer Session	1.00

LABORATORY FEES

Bacteriology 19, 20.....	\$ 7.50
*Bacteriology Deposit for Breakage.....	5.00
Bench Work 49, 50, 51, 52.....	2.00
Biological Problems 123, 124 (per credit hour).....	1.00
Biology 1, 2 (Zoology) and 6 (Entomology).....	4.00
Biology 3, 104 (Vertebrate Anatomy, Embryology).....	7.50
Botany 31, 32 each.....	4.00
Chemistry 1, 2 each.....	7.00
Chemistry 3, 4, 5, 6, 7, 8, 109, 110 each.....	10.00
Chemistry 31, 32 (Engineering).....	2.00
Chemistry 33 (Metallurgy).....	5.00
Chemistry 103, 104, 107, 108, 113, 114 each.....	8.00
Chemistry 15, 16 each.....	15.00
Chemistry 115, 116 each.....	12.00
*Chemistry Deposit for Breakage.....	5.00
Concrete Laboratory, C. E. 24.....	2.00
Dietetics and Advanced Nutrition.....	2.75
Elec. Laboratory, E. E. 7, 8, 10, 13, 14, 22, 61, 62 each.....	3.00
Embryology 104.....	7.50
Entomology 6.....	4.00
Field Botany 33, 34 (Systematic Botany).....	2.50
Food Economics 27.....	2.50
Foods 13, 14 each.....	4.50
Foods 15, 16 each.....	4.00
Genetics 5.....	1.00
Geology 41, 42 each.....	2.50
Home Economics 23, 24 each.....	1.00
Materials Laboratory C. E. 18.....	2.00
Mechanical Laboratory M. E. 24, 61.....	3.00
Mechanical Laboratory M. E. 62.....	2.00
Metallurgy 33.....	5.00
Nutrition 19, 20 each.....	3.00
Physics 1, 2, 7, 53, 54, 55, 56, 105, 106, 107, 108 each.....	2.00
Physics 3, 4, 5, 6, 51, 52 each.....	4.00
Physiology 7, 8, 9, 10 each.....	1.00
Plant Anatomy and Histology 138.....	4.00
Plant Physiology 137.....	1.00
Play Materials.....	1.00
Play Production 22.....	2.00
Pose 19, 20 each.....	1.25
Purchasing Foods 32.....	2.50
Radio Communication E. E. 45.....	2.00
Radio Speaking 9, 10 (Advanced).....	1.00
Railroads, C. E. 20.....	1.00
Research Problems (T. C. per credit hour).....	5.00
**R. O. T. C., Basic Deposit.....	5.00
**R. O. T. C., Advanced Course.....	10.00
Special Mechanical Engineering Problems M. E. 88.....	3.00
Steam Power Plants, M. E. 46.....	2.00
Surveying C. E. 1.....	3.00
Surveying C. E. 4.....	2.00
Tests and Measurements.....	2.00
Textiles, Advanced 7, 8 each.....	2.00
Thesis, Teachers College.....	10.00
Typewriting 31, 32, 33, 34, 35, 36, 39 each.....	1.00
Zoology 1, 2 each.....	4.00

*The unused portion of the breakage deposit will be returned to the student.

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

MUSIC

Piano Practice, per semester \$ 5.00
 Two private lessons per week, each semester, in Piano, Voice, Violin, Organ, and
 Band Instruments 60.00

Several scholarships worth \$40.00 a semester are awarded each year through competitive tryouts in these courses.

Students who wish to take short courses of ten lessons each may do so by special arrangement with the instructor.

LATE REGISTRATION FEE

A fee of \$5.00 will be charged day students and \$1.00 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 dates on which this fee will first be payable each semester, 1934-35 are as follows:

FALL SEMESTER, 1934

Monday, September 17 All Departments of the Day Session
 Monday, September 24 The Evening Session
 Tuesday, November 20 Division B, Co-operative Engineering students

SPRING SEMESTER, 1935

Wednesday, February 6 All Departments of the Day Session
 Monday, February 11 The Evening Session
 Tuesday, April 9 Division B, Co-operative Engineering students

SUMMER SESSION, 1935

Wednesday, June 19 The Teachers College
 Tuesday, June 25 Co-operative Engineering Students

MISCELLANEOUS FEES

One free transcript of record is furnished a student. A fee of \$1.00 is charged for each additional copy.

After a student has been classified, a charge of \$1.00 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 per semester is charged all students in the University taking eight hours or more of work in a semester.

A fee of \$2.00 is charged for each two-year or three-year certificate granted in the Teachers College.

A fee of \$1.00 per subject, with a maximum of \$5.00, is charged for entrance examinations taken on days other than those specified, and a fee of \$5.00 is charged for each examination in college work not taken in course.

All students graduating from the University are required to pay a graduation fee, payable at least ten days before graduation.

Persons are permitted to audit classroom work. Auditors do not participate in class discussions or examinations, and do not receive credit. The fee is the same as for regular enrolment.

REFUNDS

Tuition and fees are not returnable except when withdrawal is caused by serious illness or causes entirely beyond the control of the student. Application for refund must be made before the end of the semester for which the fees have been paid.

No refund will be made on any of the following fees:

1. Advance deposit.
2. Change of course.
3. Late registration.
4. Special examination.
5. In case of students dropped for academic failure or 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 as they apply to his case. Permission to withdraw does not imply that a refund will be made.

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 college 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 Session 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 Session Fees: In full for courses advertised that may not actually be given due to insufficient enrolment.

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

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

FIRST AND SECOND SEMESTERS

TIME OF WITHDRAWAL	AMOUNT RETAINED BY THE UNIVERSITY
After registration and before entering classes	\$1.00 of evening fees or \$5.00 of day school fees
During 1st week	\$5.00
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 TERM

Before entering classes	\$1.00
During 1st week	20% of term charge
During 2nd week	40% of term charge
During 3rd week	60% of term charge
During 4th week	80% of term charge
After 4th week	Full amount of term charge

Time of withdrawal is taken as the date fixed by the dean or director.

FUNDS

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.

LOAN FUNDS

Applications for loans at the beginning of the fall semester must be made to the office of the Dean of Men and the Dean of Women at the time of registration.

THE KATHERINE CLAYPOLE LOAN FUND

This fund has been 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 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.

THE AKRON PANHELLENIC FUND

The Akron Panhellenic Association offers a scholarship of \$150 a year to deserving students.

MABEL JANE ROGERS MEMORIAL FUND

The Mabel Jane Rogers Memorial Fund, amounting to \$100, was given by the alumnae of the Flora Stone Mather College, Western Reserve University, Cleveland, Ohio, 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.

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 juniors or seniors who are residents of Akron.

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 are made to students in the music department for the payment of fees.

PRIZES, FELLOWSHIPS, SCHOLARSHIPS, AND HONORS

THE ASHTON PRIZES

A fund consisting of \$3,000 was established in 1887 by Oliver C. Ashton of Bryan, Ohio, endowing the O. C. Ashton Prizes for excellence in reading and recitation. The annual income of this fund is paid, one-third to competitors from the junior class, and one-third to competitors from the sophomore class, in a first and second prize to each class, in proportion of two to one. These are public exercises, and take place at stated times during the year.

THE SENIOR ALMUNI 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 four-year course of study with the highest average grade. Only students who have taken their entire course in the University of Akron are eligible.

THE LOOMIS CUP

Mrs. James P. Loomis of Akron has donated a silver cup to be held annually by that high school in Akron whose graduates during the preceding year made the best scholastic record at the University. By the terms of the gift, the cup becomes the permanent property of the school which first wins it three times.

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.

KAPPA DELTA PI PRIZES

Alpha Theta Chapter of Kappa Delta Pi has established two prizes of \$25 each in Teachers College, one for freshmen and one for sophomores. The following rules govern the awarding of these prizes:

I. Rules for freshman award.

1. The student must have completed 32 semester hours of work.
2. The 32 hours must include required subjects for Teachers College freshmen.
3. There must be no failing grades.
4. The total number of grades shall be averaged.
5. The student must have entered Teachers College within three years after being graduated from high school.

II. Rules for sophomore award.

1. The student must have completed 64 semester hours of work.
2. The 64 hours must include required freshman and sophomore work.
3. There must be no failing grades in either the freshman or sophomore years.
4. The total number of grades shall be averaged.
5. The student must have entered the sophomore class within one year after completing the freshman year.

CHI OMEGA PRIZE

The Akron Alumnae Chapter of the Chi Omega Fraternity established a \$25 prize in Sociology in 1932. The prize is administered by the Sociology Department and awarded to the woman student, regardless of academic classification, who in the judgment of the department, has displayed the greatest scholastic ability and general interest in Sociology for that particular year. General attendance, leadership, and ability are to be considered in making the award.

FELLOWSHIPS AND SCHOLARSHIPS

A fellowship in the Department of Chemistry is offered by the Firestone Tire and Rubber Company for the study of chemistry of india rubber. This fellowship is open to graduates of standard American colleges and is of the value of \$750 per year, with remission of all University fees.

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 to be used for the establishment of scholarships in drama, music and literature. Graduate scholarships in literature and drama are worth \$400 to \$500 a year; undergraduate scholarships, \$50 per semester. Music scholarships for students who are taking one or more courses in Buchtel College of Liberal Arts are worth \$40 per semester.

PHI SIGMA ALPHA

Phi Sigma Alpha is an honorary fraternity founded 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 112 hours for three and one-half years for those completing the regular four-year course, or of 80 hours for two and one-half years for students who have spent one year at another institution, are required.
3. Only scholarship hours are counted—not hours made for good attendance.
4. All seniors who have maintained an average grade of not less than 90% 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.
5. 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% shall be eligible for membership.
6. 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.
7. Average scholarship is reckoned as a whole, not specialization.

BETA DELTA PSI

Beta Delta Psi is a commercial honorary fraternity founded in 1918 as Theta Phi and reorganized in 1925. Its purpose is to encourage high scholarship in commerce courses. Students who have an average of 85% or better in all subjects and at least 80 hours of credit are chosen in the second semester of the junior year. The purposes of the fraternity are:

1. To raise the standards of scholarship in the Department of Commerce.
2. To provide recognition for outstanding students in the Department of Commerce.
3. To further co-operation between the student body and the faculty of the Department of Commerce.

PHI CHAPTER OF SIGMA TAU

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 Senior or Junior engineer is eligible whose scholastic average for all his previous college work ranks him in the upper third of the combined Junior and Senior students. The aim of the fraternity is to improve scholarship, foster a better spirit among engineering students, and help members to become better citizens.

SIGMA PI EPSILON

Sigma Pi Epsilon is an honorary fraternity, founded for the purpose of promoting scholarship, citizenship and artisanship among the students of the Teachers College. Candidates must earn an

average grade of 89% during the three and a half years in Teachers College, and their rank must place them in the upper 15 per cent of the graduating class. Six semesters' work must be in Teachers College. The citizenship record is determined by a vote of the faculty of Teachers College, and the artisanship record by the student's practice teaching.

DELTA SIGMA PHI

Delta Sigma Phi, honorary fraternity in Home Economics, was first organized in 1921, and functioned actively until 1926. In March, 1933, it was reorganized. Students of Junior rank in Home Economics who have been outstanding in scholarship, leadership, character, and personality are eligible to membership. An average of 85% during the first two years of college work is required; also completion of a problem along some line of Home Economics by the end of the first four weeks of the junior year, approved by the active members and the faculty advisers. Seniors who attain an average of 83% in their work may become members under the same requirements.

HONORS COURSES

As a special opportunity for the exceptional student, the faculty has established what is known as Honors Courses. Students eligible for these courses are chosen by the Faculty Council each year from the list of the juniors in accordance with their records in the Registrar's office. Such students are notified to this effect and may then, if they so desire, apply for the privilege of working in Honors Courses. From these candidates the Faculty Council approves a definite number of those deemed best fitted to take advantage of this opportunity.

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 form and administration of the examination is left with the individual division or department of the University.

In the Teachers College the four-fold qualifying examinations at the close of the junior year are regarded as the general final examination.

MILITARY SCIENCE AND TACTICS RESERVE OFFICERS' TRAINING CORPS

LIEUTENANT COLONEL CHARLES E. COATES, INFANTRY, *Professor*
CAPTAIN ERNEST C. GODING, INFANTRY, *Assistant Professor*
CAPTAIN ROBERT E. SWAB, INFANTRY, *Assistant Professor*
SERGEANT CLYDE H. GHEE, DEML, *Instructor*
SERGEANT LOUIS D. LIPPINCOTT, DEML, *Instructor*

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. The instruction is divided into two parts: the basic course of the first two years, required of all freshman and sophomore men who are physically fit; and the advanced course of the last two years (three years for co-operative students), elective for the men who have completed satisfactorily the basic course and the first two years of scholastic work for Engineering and Commerce students.

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 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 thirty.
- h. Men who make written declaration of religious or conscientious objections to military service similar to those in effect during the late war entitling one to exemption from combat service.

The work is given three hours per week for the first two years. One hour of credit is given each semester for this course.

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 is required to provide one pair of russet shoes, of approved military pattern, for use with the uniform. Uniforms must be turned in at the completion of each year, or at the time of leaving school; they are replaced at the beginning of the next school year.

Students entering this institution from other colleges or universities and claiming credit for previous military instruction, will confer with the military department at the beginning of the term and ascertain the amount of credit which can be given them on account of such previous military instruction. This will enable such new students to arrange their programs promptly and satisfactorily.

ADVANCED COURSE

This course consists of five hours per week (three hours' credit per semester) during the junior and senior years (and pre-junior year for co-operative students). It is open to all students who have satisfactorily completed the basic course, provided they have been selected by the President of the University and the Professor of Military Science and Tactics. A deposit of \$10 is required, which is returned to the student when he has United States pay credits sufficient to cover cost of his uniform and if he has completed the academic year. During this course the government not only furnishes uniform and equipment, but also allows commutation of subsistence, which varies from time to time. Attendance at one summer camp of not more than six weeks' duration is required; for this attendance, pay at the rate of 70 cents a day is allowed. On the satisfactory completion of the advanced course, if twenty-one years of age, the student is commissioned in the Army of the United States as a second lieutenant, Infantry Reserve. Promotions thereafter are made in accordance with Army Regulations governing the Organized Reserve.

Prerequisites for the advanced course are successful completion of the basic course, and selection by the President of the University and the Professor of Military Science and Tactics.

Either basic or advanced course, once entered upon, must be completed as a prerequisite for graduation.

Instruction consists of theoretical class room work with proper preparation of subjects for recitations, and practical work either indoors or out, putting into execution the lessons learned in the class room.

SUMMER CAMPS

Attendance at one advanced R. O. T. C. camp, of six weeks' duration, is required of all members of the advanced course. This camp should normally be attended between the first and second

years of the advanced course. Mileage at the rate of 5 cents per mile is allowed for the journey to and from the camp. Clothing, equipment, and subsistence are furnished at the camp.

In addition to the drills, target practice, maneuvers, etc., athletics, dances, and other social amusements play a part in the camp life.

MILITARY SCIENCE AND TACTICS

First Year Basic		Hours	First Year Advanced		Hours
Military Fundamentals.....		13	Aerial Photograph Reading.....		12
Military Discipline and Courtesies.....		4	Leadership.....		36
Military Sanitation and First Aid.....		6	Infantry Weapons.....		52
Military Organization.....		6	Combat Training.....		60
Map Reading.....		16			<hr/>
Leadership.....		36			160
Rifle Marksmanship.....		15			
		<hr/>			
		96			
Second Year Basic		Hours	Second Year Advanced		Hours
Military History.....		4	Military History and Policy.....		30
Leadership.....		36	Military Law.....		14
Infantry Weapons.....		14	Company Administration.....		18
Combat Training.....		42	Officers Reserve Corps Regulations.....		2
		<hr/>	Leadership.....		36
		96	Weapons.....		6
			Combat Training.....		54
					<hr/>
					160

MUSIC

ASSISTANT PROFESSOR ENDE, MISS RIDER, MR. DELEONE,
MR. GARLINGHOUSE, MR. LEBO, MR. CAMPBELL,
MR. STEIN.

The work in music is open to election by members of all college classes.

Students desiring to take work in music must arrange for it on registration days as part of their regular assignment of work for the semester. Students who desire to take no studies except music must fulfill the regular requirements for college entrance.

For further information concerning courses offered see pages 64, 113.

THE PIXLEY SCHOLARSHIPS IN MUSIC

The University offers eighteen scholarships, each worth \$40 per semester, for private lessons in piano, organ, voice, violin and other orchestral instruments, and band instruments, to students taking one or more courses in Buchtel College of Liberal Arts.

The awarding of these scholarships is made by a committee consisting of all members of the Music faculty, two members of the general faculty, and the president of the University, ex-officio.

Applicants are required to render three compositions, chosen by the instructor from the previous semester's work. If the candidate has not been taking Music, the compositions rendered are selected by the instructor. Notice of the content of the examination is announced two months prior to the examination. The committee makes awards upon the basis of special talent and ability as determined by the rendition of compositions, and general scholastic ability as shown by previous school record and references.

All candidates must appear before the committee on or before May 15 or January 15 of the semester prior to that for which the scholarship is to be awarded.

PHYSICAL EDUCATION

PROFESSOR SEFTON, ASSISTANT PROFESSORS BLAIR AND SMITH,
MISS DUNCKLEY AND DR. DAVIS.

All freshman men and women are required to take two hours of physical education in either gymnasium work or sports.

A thorough physical examination is given to all students entering the University. Physical defects and weaknesses are noted, and healthful exercise is prescribed to fit each student's needs; this may include athletic sports or remedial gymnastics.

During the fall and spring months there are outdoor exercises and games at Buchtel Field. During the winter months the time is devoted to boxing, wrestling, basketball, apparatus work, wand, dumb-bell and swinging club drills. These exercises are designed to bring about the erect carriage of the body, the development and strengthening of the muscular, circulatory and respiratory systems, and the maintenance of general good health and bodily vigor.

TEACHER TRAINING COURSE

A course for training teachers in physical education and for preparation for coaching is given in the Teachers College. For details see statement under Teachers College.

INTERCOLLEGIATE ATHLETICS

Intercollegiate sports are under the government of the Ohio Athletic Conference, and the Faculty Committee on Athletics approved by the president of the University.

Football, Basketball, Baseball, Track, Wrestling and Boxing may be substituted for required gymnasium work but students must return to required gymnasium classes at the close of the season of the special activity.

INTRAMURAL SPORTS

All students 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 enroll 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, provided the treatment is first authorized by the University medical officer for athletes.

GYMNASIUM LOCKERS

Gymnasium lockers are obtained by depositing \$1.00 at the office of the Treasurer of the University. The receipt therefor is presented to the officer in charge of locker assignments at the gymnasium.

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 particular findings of each are of value to both.

The University Physician is in his office at the gymnasium one hour each day, from 11:00 a. m. to noon.

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."

REQUIREMENTS FOR DEGREE: All students on the full-time basis must present 128 semester hours with necessary quality points. Students on the co-operative basis must present 280 co-operative 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 preceding graduation.

ELECTION OF SUBJECTS IN OTHER SCHOOLS OF THE UNIVERSITY—No student in one school or college is allowed to elect subjects in other schools until all freshman and entrance requirements are satisfied.

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

"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."

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.

"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 six weeks of the student's next semester in the University converts the grade to F.

QUALITY REQUIREMENT

The student must present for graduation 128 semester hours with a quality point ratio of 1 for all work taken after September, 1931; for work taken prior to September, 1931, a quality point ratio of 1.1 is required. Quality points are given as follows:

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

Effective September, 1931, for all work taken after that date:

- For each credit hour of F, —1 quality point.
- For each credit hour of F (second failure in same subject), —2 quality points.
- For each credit hour of F (third failure in same subject), —3 quality points.

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

A student becomes a probationary student whenever, in any semester, he fails to make 11 net quality points, or the quality point ratio of 1 if he is carrying less than 11 hours.

The load for every probationary student is determined by the Dean.

A probationary student is dropped from the University unless he passes in all his work, or makes 11 net quality points, or makes a quality point ratio of 1 if he is carrying less than 11 hours.

A probationary student is dropped from the University when he fails to remove his probationary status at the end of his third consecutive semester on probation.

A student removes his probationary status whenever, at the end of a semester, he obtains a quality point ratio of 1 for the work of that semester.

The re-admission of students dropped under these rules rests with the Committee on Admissions.

Students who have been dropped from the University for academic failure are eligible to register for non-credit courses in the Evening and Summer Sessions. Courses for college credit may be taken when the Committee on Admissions has granted permission. No credit is granted for any work taken in the Evening or Summer Session in violation of this procedure.

A student "on probation" may be suspended by the dean of the college without further warning at any time during the probationary period.

CHANGE IN STUDENT'S PROGRAM

No 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 Committee on Classification.

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 leaves a course *without the permission of the Dean*, or is dropped by the Dean for excessive absences, he is given a failing grade and negative quality points.

If a student is dropped or withdraws from a course with a failing grade at the mid-semester grade period, or at any time thereafter, he is given negative quality points.

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

First-year students, whether regular or irregular, 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, or the Registrar.

STUDENT LOAD

FULL-TIME STUDENTS

Sixteen hours a week are counted full work for a student. No student is allowed to take more than 17 hours a week without the consent of the Dean of the college in which he is enrolled.

CO-OPERATIVE ENGINEERS

No co-operative student is permitted to carry more than 21 co-operative hours in any one nine-weeks period if he is attending both nine-weeks periods in a semester, or more than 24 co-operative hours if he is attending one nine-weeks period in a semester, without the approval of the Dean.

ABSENCE AND TARDINESS

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.

Two tardinesses count as one absence.

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.

DEGREES

A statement of degrees conferred upon completion of courses, is given under the descriptive matter of each college. To receive a second 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.

COURSES OF INSTRUCTION

Courses are numbered as follows:

1-99. Undergraduate courses for which no graduate credit will be granted.

100-199. Undergraduate courses for which graduate credit may be established by doing a greater amount and a higher quality of work than that required of undergraduates.

200-299. Graduate courses to which a few undergraduates who have shown unusual ability may be admitted.

300-399. Graduate courses for which the prerequisite is a bachelor's degree.

The letters "de" following a course number indicate that it is given in both Day and Evening Sessions. The letter "e" designates Evening Session only.

The addition of the letter "s" indicates that the course is given in the Summer Session.

BUCHTEL COLLEGE OF LIBERAL ARTS

A. I. SPANTON, A. M., *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.

ENTRANCE REQUIREMENTS

For information concerning entrance requirements see page 17. In addition note the following:

Not less than 12 of the 15 units required must be from English, mathematics, foreign language, science, history, and the social sciences.

The required foreign language units must be in the same language.

Four units of foreign language are required of students in A. B. courses desiring to major in foreign language. For a major in Latin, or in Latin and Greek, these four units must be Latin.

COURSES OF STUDY AND DEGREES

The courses of study in Buchtel College lead to the A. B. degree, except the Chemistry course and the Pre-medical course, which lead to the B. S. degree; the courses in Home Economics, which lead to the degree B. S. in Home Economics; and the course in Art, which leads to the degree B. S. in Applied Art.

REQUIREMENTS FOR GRADUATION

The requirement for graduation is 128 semester hours and 128 quality points (see page 38). The 128 hours must include the following in addition to the required work of the freshman year and the required military training in the sophomore year: a major of 18 to 32 hours; a minor of 18 hours; from 24 to 32 hours of group-electives; and additional subjects to make the total of 128 hours.

A thesis showing original research by the student may be presented for graduation. It shall be taken in the subject chosen as the student's major, and shall count for two semester hours if carried satisfactorily beyond the regular classroom work. The thesis must be handed to the instructor in charge one month before the end of the student's final semester.

DEPARTMENTS OF INSTRUCTION

Art

Biology	Modern Languages
Chemistry	Music
Economics	Philosophy
English (including Journalism)	Physical Education
Greek and Latin	Physics
History	Political Science
Home Economics	Psychology
Mathematics	Sociology
Military Science and Tactics	Speech

ELECTION OF SUBJECTS IN OTHER COLLEGES

Students in Buchtel College may elect a total amount of not more than twenty hours' work in other schools or colleges of the University to be applied toward the requirements for graduation from Buchtel College. Work thus elected must not interfere with required major and minor studies, nor can it be substituted for them.

FRESHMAN STUDIES

First-year special or irregular students are not allowed to elect work above the freshman year.

Students are not allowed to begin two languages at the same time.

*A. B. COURSES

Rhetoric.....	3 credit hours each semester
Human Biology.....	4 credit hours one semester
Problems of Citizenship.....	4 credit hours one semester
Physical Education.....	1 credit hour each semester
Military Science and Tactics.....	1 credit hour each semester
French	} 3 or 4 credit hours each semester
Spanish	
German one required.....	
Latin	
Greek	
Mathematics or Electives.....	3 to 5 credit hours each semester

*Freshmen planning to major in Mathematics or Physics are required to take Algebra, 4 hours, the first semester, and Trigonometry, 4 hours, the second semester.

Freshmen planning to major in Biology, History, Modern Language, or Political Science, are recommended to take Algebra, 4 hours, or Business Mathematics, 4 hours, the second semester.

Students intending to major in Biology or Physics will take Biology or Physics in the freshman year, and postpone their foreign language or some other freshman subject until the sophomore year.

substitutions for Nat. L. credit.
R. H. 2.9/10/3

BUCHTEL COLLEGE OF LIBERAL ARTS

B. S. COURSES

The Pre-medical Major Course
 Zoology 4 credit hours each semester
 Chemistry 7 credit hours each semester
 German or French 3 or 4 credit hours each semester
 Physical Education 1 credit hour each semester
 Military Science and Tactics 1 credit hour each semester

The Chemistry Course
 Chemistry 7 credit hours each semester
 Mathematics 4 credit hours each semester
 Rhetoric 3 credit hours each semester
 Physical Education 1 credit hour each semester
 Military Science and Tactics 1 credit hour each semester

The Home Economics Course
 Zoology 4 credit hours each semester
 Rhetoric 3 credit hours each semester
 Clothing 2 credit hours each semester
 Textiles 2 credit hours each semester
 Home Economics Survey 2 credit hours second semester
 Art 2 credit hours each semester
 Speech 3 credit hours first semester
 Physical Education 1 credit hour each semester

The Art Course
 Rhetoric 3 credit hours each semester
 Modern Language 3 or 4 credit hours each semester
 Problems of Citizenship 4 credit hours one semester
 Human Biology 4 credit hours one semester
 Physical Education 1 credit hour each semester
 Military Science and Tactics 1 credit hour each semester
 Art 4 to 6 credit hours each semester

MAJORS

At the close of the freshman year all students except those taking the courses in Art or in Home Economics, are asked to select the department and subject in which they desire to take the most work. The subject selected is thereafter known as the student's major.

MINORS

In addition to his major, the student is required to take at least 18 hours in some subject other than his major subject, which subject is known as his minor.

Ordinarily the minor will be closely related to the major.

Freshman work may count on a minor only in those subjects in which it may count on a major.

††The same subject cannot count on both the minor and the group-elective requirement.

All minor work must be approved by the student's major professor.

††See page 44.

GROUP ELECTIVES AND FREE ELECTIVES

In addition to the major, the minor, and the required sophomore work in military training, the student must choose certain group electives, as indicated in the following table. He is then free to elect such subjects as he desires to complete the 128 hours needed for graduation.

†† Freshman work cannot count as a group elective.

†† The same subject cannot count on both the minor and the group-elective requirement.

TABLE OF MAJOR, MINOR, AND GROUP-ELECTIVE REQUIREMENTS IN SEMESTER HOURS

(The student should consult the descriptive matter of his major department for further information)

	Major	Minor	Total Group Electives	**Laboratory Science	**Foreign Language	History, Economics or Political Science	Psychology or Sociology	Literature or Speech
Latin.....	*24	*18	26	8		6	6	6
German.....	*30	*18	26	8		6	6	6
French.....	*30	*18	26	8		6	6	6
Spanish.....	*30	*18	26	8		6	6	6
English.....	30	18	26	8		†6	6	6
History.....	30	18	26	8		6	6	6
Political Science.....	24	18	26	8		6	6	6
Economics.....	24	18	26	8		6	6	6
Sociology.....	24	18	26	8		6	6	6
Philosophy & Psychology.....	24	18	26	8		6	6	6
Speech.....	24	18	26	8		6	6	6
Mathematics.....	*30	*18	32	8	6	6	6	6
Biology.....	*30	*18	24		6	6	6	6
Physics.....	See page 65							
Chemistry.....	See page 49							
Pre-medical.....	See page 48							

**The minimum requirement in foreign language (including work taken in either high school or the University) for graduation from the Liberal Arts College is four years. Not less than two years of any one language will be counted toward meeting this requirement, and at least two of the four years' work in language must be taken in the University, except in the case of students offering four years of one foreign language for entrance, who will be required to take only one year of foreign language in the University. A year's work in foreign language in the University is to be understood as including at least six credit hours.

*Including freshman requirement.

†Must be History of England.

°Must be second year German, or second year French.

*†† In the case of students who choose a minor, but not a major, in foreign language, a total of 22 hours of foreign language inclusive of the freshman requirement satisfies both the minor and the group-elective requirement in foreign language.

**Students who do not elect freshman mathematics must take 16 hours of laboratory science.

Handwritten notes:
 * Minor & ...
 ...
 ...

SUBJECTS OF INSTRUCTION

An asterisk (*) preceding the course number indicates the course is open only to juniors and seniors.

ART

ASSISTANT PROFESSOR BARNHARDT, MISS CABLE, MRS. YOUNG,
MISS WHORL, MR. FRENCH.

For description of the courses in Art see page 109. In the Liberal Arts College the following course is offered, leading to the degree B. S. in Applied Art:

FRESHMAN

	Cr. Hrs.		Cr. Hrs.
Rhetoric 1.....	3	Rhetoric 2.....	3
Problems of Citizenship.....	4	Human Biology.....	4
Modern Language.....	4 or 3	Modern Language.....	4 or 3
Physical Education.....	1	Physical Education.....	1
Structural Art.....	2	Design 1.....	2
Clay Modeling.....	2	Modeling.....	2
		Free Sketch.....	2
	16 or 15		18 or 17

SOPHOMORE

	Cr. Hrs.		Cr. Hrs.
Literature.....	3	Literature.....	3
Ancient History.....	3	Ancient History.....	3
General Psychology.....	3	General Psychology.....	3
Design 2.....	2	Still Life.....	2
Still Life.....	2	Stage Costume.....	2
Costume.....	2	Modern Language.....	3
Modern Language.....	3		
	18		16

JUNIOR

	Cr. Hrs.		Cr. Hrs.
Medieval History.....	3	History of Europe.....	3
Sociology or Speech.....	3	Speech or Sociology.....	3
Lab. Science.....	4	Lab. Science.....	4
Commercial Art.....	2	Commercial Art.....	2
House Planning.....	2	House Decoration.....	2
Pose.....	2	Pose.....	2
	16		16

SENIOR

	Cr. Hrs.		Cr. Hrs.
Word Study.....	2	Literature.....	3
History.....	3	History.....	3
Textiles or Advertising.....	2 or 3	Textiles or Advertising.....	2 or 3
History of Art.....	3	History of Art.....	3
Etching.....	2	Weaving.....	2
Illustration.....	2	Illustration.....	2
Crafts.....	2		
	16 or 17		15 or 16

BIOLOGY

PROFESSOR KRAATZ, ASSISTANT PROFESSORS
FOX AND ACQUARONE, DR. JONES.

Major: Thirty-two credit hours, beginning with either 1-2 or 31-32, but including both, and following the general biological, zoological, or botanical trend. Students who expect to enter the medical school should take the special Pre-Medical Major Course, as outlined on a subsequent page, which includes at least 24 credit hours of biology.

Courses 14 and 15, Human Biology, are freshman requirements in the Liberal Arts and Teachers Colleges. They cannot be counted in either a major or a minor in Biology, and they are not taken in the Pre-Medical Course; in these cases, Courses 7-8 or 9-10 are usually taken.

Courses in Geology are not to be included in the Biology Major, but may be taken to meet the group elective requirement in laboratory science. Biology majors are advised to take Geology as an elective.

Minors and Group-Electives: Biology major students should select the minor field and plan the minor work at the beginning of the sophomore year. Chemistry is advised as a suitable minor.

Under the division of group electives, Biology Major students should take Chemistry or Physics, German or French, Economics or Political Science, Psychology, and Literature.

General Final Examination: Seniors majoring in Biology are required to pass a general final examination covering in a comprehensive way all the work they have taken in the department. This examination is given in May of the senior year. Prerequisite for admission to this examination is Biology Seminar, Course 117.

No credit will be allowed toward graduation for less than the entire year's work in the basic courses: 1-2, 31-32, 41-42.

1-2. GENERAL ZOOLOGY. 4 credits each semester.

Laboratory fee, \$4.00 per semester.

MR. KRAATZ

31-32. GENERAL BOTANY. 4 credits each semester.

Laboratory fee, \$4.00 per semester.

MR. ACQUARONE

41-42. GENERAL GEOLOGY. 4 credits each semester.

Laboratory fee, \$2.50 per semester.

MR. ACQUARONE

Any of the basic year courses, 1-2, 31-32, 41-42, may be taken to meet the group elective requirement in laboratory science. Such courses should be taken not later than the sophomore year.

14. HUMAN BIOLOGY. Either semester. 4 credits.

Required of all men students in Liberal Arts and Teachers Colleges in the freshman year.

MR. JONES

15. HUMAN BIOLOGY. Either semester. 4 credits.

Required of all women students in Liberal Arts and Teachers Colleges in the freshman year.

MR. JONES

7-8. PHYSIOLOGY, HUMAN AND GENERAL. 4 credits each semester.

For college men. Prerequisite, 1-2; also one year of chemistry, unless waived by instructor. 1934-35 and alternate years.

MR. JONES

9-10. PHYSIOLOGY, HUMAN AND GENERAL. 4 credits each semester.

For college women. Prerequisite, 1-2; also one year of chemistry, unless waived by instructor. 1933-34 and alternate years.

19-20. BACTERIOLOGY. 4 credits each semester.
Prerequisite, 1-2 or 31-32; some knowledge of chemistry is essential.
Laboratory fee, \$7.50 per semester; Breakage fee, \$5.00 per semester. MR. FOX

21-22. SANITATION AND PUBLIC HEALTH. 3 credits each semester.
Prerequisite, 1-2 or 31-32. MR. FOX

6. GENERAL ENTOMOLOGY. Second semester. 4 credits.
Prerequisite, 1-2. 1934-35, and every third year. Laboratory fee, \$4.00. MR. KRAATZ

5. GENETICS. First semester. 3 credits.
Prerequisite, 1-2 or 31-32. MR. JONES

11. ORGANIC EVOLUTION. First semester. 3 credits.
Prerequisite, 1-2 or 31-32, preferably 1-2, as the course is primarily animal evolution. MR. KRAATZ

3. VERTEBRATE ANATOMY. First semester. 4 credits.
Required of Pre-Medical students. Prerequisite, 1-2. Laboratory fee, \$7.50. MR. KRAATZ

104. EMBRYOLOGY OF VERTEBRATES. Second semester. 4 credits.
Required of Pre-Medical students. Prerequisite, 3. Not offered in 1934-35. Laboratory fee, \$7.50. MR. KRAATZ

33-34. FIELD BOTANY. 3 credits each semester.
May be taken to follow course 31-32, or with consent of instructor without 31-32 as prerequisite. 1932-33 and alternate years. Laboratory and book fee, \$2.50 per semester. MR. ACQUARONE

137. PLANT PHYSIOLOGY. First semester. 4 credits.
Prerequisite, 31-32 or 33-34 (preferably 31-32) or Organic Chemistry. 1933-34 and alternate years. Fee, \$1.00. MR. ACQUARONE

138. PLANT ANATOMY AND HISTOLOGY. Second semester.
4 credits.
This course, following 137, though independent of it, can be used to fill out a year of advanced botanical work. Prerequisite, 31-32 or 33-34. 1933-34 and alternate years. Laboratory fee, \$4.00. MR. ACQUARONE

117. BIOLOGY SEMINAR. First semester. 3 credits.
Required of all Biology Major seniors, and senior Pre-Medical students. MR. KRAATZ

123-124. **BIOLOGICAL PROBLEMS.** 1 or more credits each semester. Two continuous semesters are advisable. Open to seniors, and to juniors of adequate preparation. Laboratory fee, \$1.00 per credit. MR. KRAATZ, MR. FOX, MR. ACQUARONE, MR. JONES

31e. **GENERAL BOTANY.** 2 credits each semester. Combination lecture and laboratory work. Offered in 1933-34. MR. ACQUARONE

32e. **GENERAL BOTANY.** 2 credits each semester. Lecture and laboratory work. Offered in 1934-35. MR. ACQUARONE
(Courses 31e and 32e are equivalent to 31-32.)

14e. **HUMAN BIOLOGY.** 2 credits each semester. Required of men in the Liberal Arts and Teachers Colleges. 1933-34 and alternate years. MR. JONES

15e. **HUMAN BIOLOGY.** 2 credits each semester. Required of women in Liberal Arts and Teachers Colleges. 1934-35 and alternate years. MR. JONES

77-78e. **SURVEY OF PLANT SCIENCE.** 2 credits each semester. Offered in 1932-33. MR. ACQUARONE

71-72e. **BACTERIOLOGY, GENERAL AND PATHOGENIC.** 2 credits each semester. Similar to the lecture part of 19-20. MR. FOX

79-80e. **LIFE IN RELATION TO CLIMATE.** 2 credits each semester. No prerequisites, but some biological or geological background advisable. Offered in 1935-36. MR. ACQUARONE

PRE-MEDICAL MAJOR COURSE

Students planning to study medicine should complete at least three years of the following course before entering the medical school. Completion of the entire four years is strongly recommended.

FRESHMAN YEAR

	Credit Hours per Semester
General Zoology 1-2.....	4
General Inorganic Chemistry 3-4.....	7
German or French.....	3 or 4
R.O.T.C. and Physical Education.....	2
	<hr/>
	16 or 17

JUNIOR YEAR

	Credit Hours per Semester
Vertebrate Anatomy and Embryology.....	4
Organic Chemistry 708.....	3
Light 3 (First Semester).....	4
Mathematics or Rhetoric.....	3 or 4
Group elective.....	3
	<hr/>
	16 or 17

SOPHOMORE YEAR

	Credit Hours per Semester
Quantitative Analysis 5-6.....	4
General Physics 1-2.....	4
German or French.....	3
Rhetoric or Mathematics.....	3 or 4
R.O.T.C.....	1
	<hr/>
	15 or 16

SENIOR YEAR

	Credit Hours per Semester
Biology.....	4
Electives to make a total of 128 hours for the four years. More Biology is advised, including Biology 117.	

Group electives must include six semester hours in each of the following: History, Economics or Political Science; Psychology or Sociology; Literature or Speech.

CHEMISTRY

PROFESSOR COOK, ASSISTANT PROFESSORS SCHAEFER AND CRAMER,
MR. ANDERSON, MR. HAAS.
MR. EVANS, *Fellow in Rubber Chemistry.*

Major: Forty-eight hours of Chemistry. The following courses or equivalent must be included: 3, 4, 5-6, 7-8, 9-10, 13-14, and 17.

Other requirements: Literature, 6 hrs.; sophomore Mathematics, 10 hrs.; Psychology or Sociology, 6 hrs.; History, Political Science, or Economics, 6 hrs.; Zoology, 8 hrs.; Physics, 8 hrs.; equivalent of 2 years of German.

General Final Examination: All seniors majoring in chemistry will be required to pass a general final examination on all the work they have taken in the department.

Fees: In addition to laboratory fees, a deposit of \$5.00 for breakage is required in each course.

CHEMICAL COURSE

FRESHMAN YEAR

	Credit Hours per Semester
General Chemistry 3-4	7
Mathematics	4
Rhetoric	3
Physical Education and Military Training	2

SOPHOMORE YEAR

	Credit Hours per Semester
Quantitative Analysis	4
Zoology	4
Mathematics	5
Modern Language	3 or 4
Military Training	1

JUNIOR YEAR

	Credit Hours per Semester
Organic Chemistry 7-8	4
Physics	4
Modern Language	3
Chemical Calculations	2
Electives	

SENIOR YEAR

	Credit Hours per Semester
Organic Chemistry 109-110	3
Physical Chemistry	4
Electives	

1-2. GENERAL INORGANIC CHEMISTRY. 4 credits each semester.
Laboratory fee, \$7.00 per semester. MR. HAAS

3. GENERAL INORGANIC CHEMISTRY. First semester. 7 credits.
Laboratory fee, \$10.00 per semester. MR. CRAMER

4. QUALITATIVE ANALYSIS. Second semester. 7 credits.
Laboratory fee, \$10.00 per semester. MR. CRAMER

5-6. QUANTITATIVE ANALYSIS. 4 credits each semester.
Prerequisite, 4. Laboratory fee, \$10.00 per semester. MR. COOK

7-8. ELEMENTARY ORGANIC CHEMISTRY. 4 credits each semester.
Prerequisite, 2. Laboratory fee, \$10.00 per semester. MR. COOK

109-110. ADVANCED ORGANIC CHEMISTRY. 3 credits each semester.
Prerequisite, 8. Laboratory fee, \$10.00 per semester. MR. COOK

113-114. PHYSICAL CHEMISTRY. 5 credits each semester.
Prerequisite, 6 and 8, and Physics 1-2. Laboratory fee, \$8.00 per semester. MR. HAAS

115-116. CHEMISTRY OF RUBBER TECHNOLOGY. 4 credits each semester.
Prerequisite, 8. Laboratory fee, \$15.00 per semester. MR. CRAMER

17. CHEMICAL CALCULATIONS. First semester. 2 credits.
MR. COOK
- 31-32. ENGINEERING CHEMISTRY. See Engineering. MR. SCHAEFER
34. METALLURGY OF IRON AND STEEL. See Engineering.
MR. SCHAEFER
- 201-202. SEMINAR. 1 credit each semester. MR. COOK
- 203-204. ADVANCED INORGANIC PREPARATIONS. 2 credits each semester.
Prerequisite, 8 and 114. Laboratory fee, \$8.00 per semester.
MR. HAAS
- 207-208. ORGANIC ANALYSIS. 2 credits each semester.
Prerequisite, 6 and 8. Laboratory fee, \$8.00 per semester.
MR. COOK
213. CHEMICAL THERMODYNAMICS. First semester. 2 credits.
Prerequisite, 114 and Integral Calculus. MR. HAAS
214. COLLOID CHEMISTRY. Second semester. 2 credits.
Prerequisite, 8 and 114. MR. COOK
- 315-316. RESEARCH. 3 credits each semester.
The fee varies according to the problem undertaken. MR. COOK

ECONOMICS

PROFESSOR DAVIS (resigned August, 1933), ASSOCIATE PROFESSOR ANTHONY, ASSISTANT PROFESSORS FRANCIS (September-December, 1933) AND O'HARA (January, 1934—).

Major: Twenty-four hours constitute a major. The following courses must be included: 1-2, 3, 4, 6, 101, 116, C57. For required group-electives see statement on page 44.

General Final Examinations: Seniors majoring in this department are required to pass a general final examination covering all the courses they have taken in their major subject.

- 1-2de. PRINCIPLES OF ECONOMICS. 3 credits each semester.
Required of sophomore majors.
3. MONEY AND BANKING. Either semester. 3 credits.
Required of junior majors. Prerequisite, 1-2.
MR. FRANCIS, MR. O'HARA
- 4de. ECONOMIC HISTORY. Either semester. 3 credits.
Required of all economics majors. MR. ANTHONY
- 6de. LABOR PROBLEMS. Second semester. 3 credits.
Required of junior majors. Prerequisite, 1-2. MR. ANTHONY

8. PUBLIC FINANCE. Either semester. 3 credits.
Prerequisite, 1-2. MR. FRANCIS, MR. O'HARA
101. ECONOMIC THEORY. First semester. 3 credits.
Required of senior majors. MR. ANTHONY
116. ECONOMICS SENIOR SEMINAR. Second semester. 1 credit.
Required of senior majors. MR. ANTHONY
- C53. TRANSPORTATION. First semester. 3 credits.
Prerequisite, 1-2. Given in Commerce Department. MR. VANMETRE
- C57. STATISTICS. Either semester. 4 credits.
Required of all economics majors. Given in Commerce Department.
MR. HAMPEL
- C71. CORPORATION FINANCE. First semester. 3 credits.
Prerequisite, 1-2. Given in Commerce Department. MR. VANMETRE
- C81. MARKETING. First semester. 3 credits.
Prerequisite, 1-2. Given in Commerce Department. MR. LEIGH
- C154. FOREIGN TRADE. First semester. 3 credits.
Prerequisites, 1-2, 3. Given in Commerce Department.
MR. VANMETRE
- C172. INVESTMENTS. Second semester. 3 credits.
Prerequisites, 1-2 and C71. Given in Commerce Department.
MR. VANMETRE
- 23-24. ECONOMICS FOR ENGINEERS.
For students in the College of Engineering and Commerce.
MR. ANTHONY
- The following courses, offered by the Department of Commerce and Business Administration, are recommended to Economics majors. They will count as free electives, but not as major work.
- C14. ECONOMIC GEOGRAPHY. Either semester. 3 credits.
MR. VANMETRE
- C21-22. ACCOUNTING. 3 credits each semester.
MR. MCKEE AND MR. RUESCH
- C61. BUSINESS ADMINISTRATION. Either semester. 3 credits.
MR. LEIGH
- C168. BUSINESS POLICY. Second semester. 3 credits.
For seniors. MR. LEIGH

ENGLISH

DEAN SPANTON, PROFESSOR PEASE, ASSOCIATE PROFESSOR
MITCHELL, MR. VANCE, MR. ROBERTS, MR. STICKNEY,
MISS STEVENSON, MISS GOODMAN.

Major: A minimum of 30 hours, exclusive of 1-2, 49-50, 52, and courses in Journalism, is required for a major. A major must include courses 25-26, 31, 55-56; four hours from 3, 4, 5, and 6; and six hours from 29-30, 37, 121-2, 125-6.

General Final Examination: Seniors majoring in English are required to pass a general final examination covering the major field.

RHETORIC

- 1de. RHETORIC. Either semester. 3 credits.
- 2de. RHETORIC. Either semester. 3 credits. Prerequisite, 1.
- 3de. DAILY THEME WRITING. First semester. 3 credits.
Prerequisite, 1-2. MISS MITCHELL
4. ESSAY WRITING. Second semester. 2 credits.
Prerequisite, 3. 1933-34 and alternate years. MISS MITCHELL
- 5-6. SHORT STORY WRITING. 2 credits each semester.
Prerequisite, 1-2. 1934-35 and alternate years. MR. PEASE

LANGUAGE AND LITERATURE

(Rhetoric 1 and 2 are prerequisite for all other courses offered in the English department.)

- 25-26de. INTRODUCTION TO LITERATURE: TYPES OF PROSE (First semester); TYPES OF POETRY (Second semester). 3 credits each semester.
Required of all sophomore majors. Elective for others.
- *29-30. CHAUCER. 2 credits each semester.
For juniors and seniors. 1933-34 and alternate years. MR. PEASE
- 31-32. SHAKSPERE. 3 credits each semester. MR. SPANTON
- *33. SPENSER AND MILTON. First semester. 2 credits.
For juniors and seniors. 1935-36 and alternate years. MR. SPANTON
- 35-36de. THE ENGLISH BIBLE AS LITERATURE. 2 credits each semester. 1934-35 and alternate years. Offered in 1933-34 as a 3 credit course the second semester. MR. SPANTON
44. EIGHTEENTH CENTURY LITERATURE. Second semester.
3 credits.
1933-34 and alternate years. MISS STEVENSON
- *37-38. NINETEENTH CENTURY LITERATURE. 3 credits each semester.
For juniors and seniors. 1934-35 and alternate years. MR. PEASE

*34. TENNYSON AND BROWNING. Second semester. 3 credits.
For juniors and seniors. Not offered in 1935-36. MR. SPANTON

*39-40. ENGLISH FICTION: DEVELOPMENT OF THE NOVEL.
3 credits each semester.
For juniors and seniors. 1933-34 and alternate years. MR. PEASE

*41-42. DRAMA. 3 credits each semester.
For juniors and seniors. 1934-35 and alternate years.
MISS MITCHELL

45-46de. AMERICAN LITERATURE. 3 credits each semester.
MR. PEASE

47. RECENT BRITISH POETRY. First semester. 2 credits.
1933-34 and alternate years. MR. PEASE

48. RECENT AMERICAN POETRY. Second semester. 2 credits.
1933-34 and alternate years. MR. PEASE

53-54. SENIOR ENGLISH SEMINAR. 1 credit each semester.

55. WORD STUDY. First semester. 2 credits.
1934-35 and alternate years. MR. PEASE

56. HISTORY OF THE ENGLISH LANGUAGE. Second semester.
2 credits. 1934-35 and alternate years. MR. PEASE

121-122. ANGLO-SAXON. 3 credits each semester.
All English majors intending to teach should take this course.
For seniors and graduates. 1933-34 and alternate years. MR. PEASE

125-126. MIDDLE-ENGLISH. 3 credits each semester.
For seniors and graduates. 1934-35 and alternate years.

49-50. GREEK MASTERPIECES IN ENGLISH TRANSLATIONS.
2 credits each semester.
Prerequisite, 1-2. 1933-34 and alternate years. Does not count
toward an English major, but is recommended as a free elective.
MR. YOUNG

52. LATIN MASTERPIECES IN ENGLISH TRANSLATIONS. Second
semester. 3 credits.
Prerequisite, 1-2. 1933-34 and alternate years. Does not count
toward an English major, but is recommended as a free elective.
MR. YOUNG

80-81-82. ENGLISH COMPOSITION. (For Engineering students.)

83-84-85-86. ENGLISH LITERATURE. (For Engineering students.)

Courses 80-86 inclusive are given only for students in co-operative
courses. For description see under English in the College of Engine-
ering and Commerce.

JOURNALISM**MR. VANCE**

(Rhetoric 1 and 2 are prerequisite for the courses in Journalism.)

15. **NEWS WRITING.** First semester. 3 credits.
The class meets two periods a week and the third credit is given for laboratory work on *The Buchtelite*, student newspaper.
16. **NEWS WRITING.** Second semester. 3 credits.
May be taken either before 15, or as a continuation of the first semester.
- *17-18. **EDITING.** 2 credits each semester.
Prerequisite, 15 or 16, or the equivalent.
19. **HISTORY OF JOURNALISM.** First semester. 2 credits.
1933-34 and alternate years.
- 20de. **FEATURE WRITING.** Second semester. 2 credits.
23. **EDITORIAL WRITING.** First semester. 2 credits.
1934-35 and alternate years.
14. **EDITING PROBLEMS.** Second semester. 1 credit.
- 24e. **NEWS WRITING AND EDITING.** First semester. 2 credits.
- 11e. **CONTEMPORARY JOURNALISM.** Second semester. 3 credits.
- 12-13e. **EDITING AND EDITORIAL WRITING.** 1 credit each semester.
- 21e. **WRITING FOR PRINT.** First semester. 2 credits. 1933-34 only.

GREEK AND LATIN**PROFESSOR YOUNG**

General Final Examination: Seniors majoring in this department are required to take a general examination to test their ability to translate at sight Latin of a representative sort and their acquaintance with such informational matter as each individual would be reasonably expected to know on the bases of courses and reading.

GREEK

- 1-2. **ELEMENTARY GREEK.** 4 credits each semester.
1932-33 and alternate years.
- 49-50. **GREEK MASTERPIECES IN ENGLISH TRANSLATIONS.**
2 credits each semester. 1933-34 and alternate years.

CLASSICAL ARCHAEOLOGY

13. **CLASSICAL ARCHAEOLOGY.** First semester. 3 credits.
1933-34 and alternate years.

LATIN

Major: Four units of Latin are required of all students entering freshman Latin. Twenty-four hours (including freshman Latin) constitute a major.

Minor: In the case of students who choose a minor, but not a major, in foreign language, a total of 22 hours of foreign language including the freshman requirement is regarded as satisfying both the minor and the group-elective requirement in foreign language.

1. CICERO: DE OFFICIIS, AND OVID: SELECTIONS. First semester. 4 credits.
2. TERENCE: ANDRIA, AND PLINY: LETTERS. Second semester. 4 credits. Prerequisite, 1.
3. LIVY: HANNIBALIC WAR. First semester. 3 credits. Prerequisite, 2.
4. PLAUTUS: MOSTELLARIA, AND CICERO: LETTERS. Second semester. 3 credits. Prerequisite, 3.
105. HORACE: ODES. First semester. 3 credits. Prerequisite, 4. 1933-34 and alternate years.
106. LUCRETIVS: DE RERUM NATURA, AND JUVENAL: SATIRES. Second semester. 3 credits. 1933-34 and alternate years. Prerequisite, 4.
107. HORACE: SATIRES AND EPISTLES, AND VIRGIL: GEORGICS. First semester. 3 credits. Prerequisite, 4. 1932-33 and alternate years.
108. CATULLUS, AND TACITUS: ANNALS. Second semester. 3 credits. Prerequisite, 4. 1932-33 and alternate years.

LATIN PROSE COMPOSITION. 1 credit each semester. Prerequisite, 4. 1934-35 and alternate years.

52. LATIN MASTERPIECES IN ENGLISH TRANSLATIONS. Second semester. 3 credits. 1933-34 and alternate years.

HISTORY

ASSOCIATE PROFESSOR GARDNER, DR. SAPPINGTON,
MRS. SLOAN (1933-34).

Major: Thirty hours elected above the freshman year constitute a major in History. Students working for a major must take the following courses: 3-4, 7-8, 11-12, and 21-22. Course 1-2 is not counted in the thirty hours for a major.

General Final Examination: All students who are majoring in history and who are candidates for a degree are required to pass a general final examination in the second semester of the senior year.

Freshmen planning to major in History are advised to elect mathematics.

- 1-2. GENERAL SURVEY OF HISTORY. 3 credits each semester. No credit is given unless the year's work is completed.

MR. GARDNER, MRS. SLOAN

3. **MEDIEVAL HISTORY.** First semester. 3 credits. MR. SAPPINGTON
4. **EUROPE (1500 to 1815).** Second semester. 3 credits.
MR. SAPPINGTON
- 5de. **THE RENAISSANCE AND THE REFORMATION.** First semester.
3 credits. MR. SAPPINGTON
- 6de. **THE FRENCH REVOLUTION.** Second semester. 3 credits.
MR. SAPPINGTON
7. **HISTORY OF MODERN EUROPE.** First semester. 3 credits.
The history of Europe from 1815 to 1914. MR. SAPPINGTON
8. **HISTORY OF MODERN EUROPE.** Second semester. 3 credits.
From 1914 to the present day. MR. SAPPINGTON
- 9-10. **HISTORY OF ENGLAND.** 3 credits each semester.
No credit is given unless the year's work is completed. Offered
each year until 1933-34 inclusive; thereafter, in 1934-35 and
alternate years. MR. SAPPINGTON
11. **AMERICAN HISTORY THROUGH THE CIVIL WAR.** First semester.
3 credits. MR. GARDNER, MRS. SLOAN
12. **AMERICAN HISTORY SINCE THE CIVIL WAR.** Second semester.
3 credits. MR. GARDNER, MRS. SLOAN
17. **ANCIENT HISTORY.** First semester. 3 credits.
The ancient oriental empires and Greece. Not offered in 1934-35.
MR. SAPPINGTON
18. **ANCIENT HISTORY.** Second semester. 3 credits.
The history of ancient Rome. Not offered in 1934-35. MR. SAPPINGTON
- 21-22. **SEMINAR.** 1 credit each semester. MR. GARDNER

HOME ECONOMICS

PROFESSOR MAXWELL, MISS LATHROP, MISS COUNTS (1933-34)

From its establishment in 1914 to November 14, 1930, this department was known as the Curtis School of Home Economics. The department occupies the building known as Curtis Cottage, which was made possible by gifts from the late William Pitt Curtis of Wadsworth, Ohio, and from many citizens of Akron.

COURSE OF STUDY

The course in Home Economics requires four years of regular university work and is planned to meet the needs of women students. All courses combine a thorough training in those branches of arts and sciences essential to intelligent home-making with the broadest possible cultural education. However, many fields of activity other than home-making are open to women trained in Home Economics.

Therefore, the curricula in Home Economics are designed to train young women for home-making and for a remunerative vocation in which all or most of them engage for varying periods of time. Throughout the training period there are certain numbers

and kinds of courses which safeguard the preparation for home-making. During the first two years of work any one of four major interests may be chosen for a field of specialization.

Group I—General. For students who desire a liberal college training with emphasis upon subjects which pertain to Home Economics. Persons interested in social betterment who wish to enter definite welfare work may combine Home Economics and Sociology in this curriculum.

Group II—Foods and Nutrition. For students who wish to specialize in dietetics, nutrition, or teaching this phase of work in institutions of higher education, or for laboratory or research workers. Those who intend to become sanitary or food inspectors are advised to take this course.

Group III—Teachers' Curriculum. See under Teachers College.

Group IV—Home Economics in Business. Textiles, clothing, and fine arts require a basis of the social sciences and fine arts in combination with specialized work in textiles and clothing. This course leads to different phases of commercial work in textiles and clothing. Practice to the extent of one year is required in approved stores of Akron before a degree is granted. For those who wish to become Textile Research Directors, chemistry should be substituted for social science. Vocations toward which this course leads are saleswomen, buyers, stylists, advertising women, personal shoppers, and newspaper and magazine columnists. A combination of this course with the course in Secretarial Science is possible and frequently desirable.

DEGREE

For completion of the four-year course in Home Economics (128 semester hours are required for graduation) the degree of Bachelor of Science in Home Economics is conferred.

HOME ECONOMICS

FRESHMAN YEAR FOR ALL GROUPS

First Semester		Cr. Hrs.	Second Semester		Cr. Hrs.
Zoology 1	.....	4	Zoology 2	.....	4
Home Economics 1	.....	2	Home Economics 2	.....	3
Rhetoric 1	.....	3	Rhetoric 2	.....	3
Art 1	.....	2	Art 2	.....	2
Physical Education	.....	1	Physical Education	.....	1
Public Speaking 1	.....	3	Home Economics 4	.....	2
Home Economics 3	.....	2	Home Economics 11	.....	2
		<hr/>			<hr/>
		17			17

SOPHOMORE YEAR, GENERAL COURSE

First Semester		Cr. Hrs.	Second Semester		Cr. Hrs.
Chemistry 1	.....	4	Chemistry 2	.....	4
Human Physiology 9	.....	4	Home Economics 10	.....	3
English	.....	3	Human Physiology 10	.....	3
Electives	.....	5	English	.....	3
		<hr/>	Electives	.....	3
		16			<hr/>
					16

JUNIOR YEAR, GENERAL COURSE

First Semester		Cr. Hrs.	Second Semester		Cr. Hrs.
Home Economics 5	.....	3	Home Economics 6	.....	3
Home Economics 17	.....	3	Home Economics 18	.....	3
Home Economics 15	.....	4	Home Economics 18	.....	4
Economics or Sociology	.....	3	Economics or Sociology	.....	3
Electives	.....	3	Electives	.....	3
		<hr/>			<hr/>
		16			16

THE UNIVERSITY OF AKRON

SENIOR YEAR, GENERAL COURSE

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Home Economics 19	3	Home Economics 20	3
History or Economics	3	History or Economics	3
Art 125	2	Art 126	2
Electives	8	Child Care 25	3
		Electives	5
	16		16

SOPHOMORE YEAR, FOODS AND NUTRITION

Same as for General Course

JUNIOR YEAR, FOODS AND NUTRITION

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Economics or Sociology	3	Economics or Sociology	3
Chemistry 37	4	Chemistry 38	4
Home Economics 15	4	Home Economics 16	4
Home Economics 17	3	Home Economics 18	3
Electives	3	Electives	3
	17		17

SENIOR YEAR, FOODS AND NUTRITION

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Home Economics 19	3	Home Economics 20	3
Food Economics 27	3	Advanced Nutrition and Dietetics 28	3
Child Care 25	3	Readings in Foods and Nutrition 30	2
Electives	7	Electives	8
	16		16

SOPHOMORE YEAR, HOME ECONOMICS IN BUSINESS

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
History 1	3	History 2	3
Economics 1	3	Economics 2	3
English	3	Home Economics 10	3
Human Biology	4	English	3
Salesmanship	2	Retailing	2
	15	Child Care	3
			17

JUNIOR YEAR, HOME ECONOMICS IN BUSINESS

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Home Economics 5	3	Home Economics 6	3
Home Economics 15	4	Home Economics 16	4
Home Economics 17	3	Home Economics 18	3
Economics 5	3	Economics 6	3
History of Art	3	History of Art	3
	16		16

SENIOR YEAR, HOME ECONOMICS IN BUSINESS

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Sociology	3	Sociology	3
Advanced Textiles 7	3	Advanced Textiles 8	3
Children's Clothing	3	Electives	10
Electives	7		
	16		16

Students in this course are required to have a reading knowledge of French.

See Teachers College for outline of Teachers Course, and for description of courses offered in Art.

1. **ELEMENTARY CLOTHING.** First semester. 2 credits.
Construction course. Six hours of laboratory work. MISS LATHROP
2. **CLOTHING SELECTION.** Second semester. 3 credits.
No laboratory work. MISS LATHROP
- 3-4. **TEXTILES.** 2 credits each semester. MISS LATHROP
- 5-6. **ADVANCED CLOTHING.** 3 credits each semester.
A course in dress design. 1933-34 and alternate years.
MISS LATHROP
- 7-8. **ADVANCED TEXTILES.** 3 credits each semester.
Fee, \$2.00 each semester. 1934-35 and alternate years.
MISS LATHROP
9. **CHILDREN'S CLOTHING.** First semester. 3 credits.
1933-34 and alternate years. MISS LATHROP
10. **HISTORIC COSTUME.** Second semester. 3 credits.
1933-34 and alternate years. MISS LATHROP
12. **SURVEY OF HOME ECONOMICS EDUCATION.** First semester.
2 credits. 1933-34 and alternate years. MISS LATHROP
- 13-14. **GENERAL FOODS.** 4 credits each semester.
Lecture and laboratory. 1934-35 and alternate years. Fee, \$4.50
each semester. MISS MAXWELL
- 15-16. **ADVANCED FOODS.** 4 credits each semester.
Two hours of lectures, three hours of laboratory. Fee, \$4.00 each
semester. 1933-34 and alternate years.
MISS MAXWELL, MISS COUNTS
17. **HOME MANAGEMENT.** First semester. 3 credits.
1934-35 and alternate years. MISS LATHROP
18. **THE HOUSE AND ITS FURNISHINGS.** Second semester.
3 credits.
1934-35 and alternate years. MISS LATHROP
- 19-20. **NUTRITION.** 3 credits each semester.
Prerequisite, 13-14. Two lectures, three hours of laboratory. Fee,
\$3.00 each semester. MISS MAXWELL, MISS COUNTS
- 23-24. **ELEMENTARY HOME MANAGEMENT.** 3 credits each semester.
Open only to women not majoring in Home Economics. Not
offered in 1933-34. MISS MAXWELL

- 25de. CHILD CARE. First semester. 3 credits.
Offered in 1933-34 only in evening, two credits.
MISS MAXWELL, MISS COUNTS
26. ECONOMIC PROBLEMS OF THE FAMILY. Second semester.
3 credits. Not offered in 1933-34. MISS MAXWELL
27. FOOD ECONOMICS. First semester. 3 credits.
Prerequisite, 15-16. Fee, \$2.50.
28. ADVANCED NUTRITION AND DIETETICS. Second semester.
3 credits.
Prerequisite, 19-20. Fee, \$2.75. MISS MAXWELL, MISS COUNTS
30. READINGS IN FOODS AND NUTRITION. Second semester.
2 credits. Prerequisite, 19. MISS COUNTS

MATHEMATICS

PROFESSOR JONES, ASSISTANT PROFESSORS BENDER AND
SELBY, MISS LIPSCOMBE.

Freshman Mathematics: Algebra, 4 hours, and Trigonometry, 4 hours, are required of all freshmen majoring in Chemistry or Physics or taking the Pre-Medical course.

Algebra, 4 hours, and either Trigonometry, 4 hours, or Business Mathematics, 4 hours, are recommended for all freshmen planning to major in Biology, History, Modern Languages, or Political Science.

Major: A total of thirty hours (including freshman mathematics) is required for a major.

Minor: Physics is strongly recommended as a minor.

General Final Examination: Students majoring in Mathematics are required to pass, in the second semester of their senior year, a general final examination in their major field.

- 1de. COLLEGE ALGEBRA. Either semester. 4 credits.
Required for freshmen majoring in Mathematics, Chemistry, or Physics, or taking the Pre-Medical course.
- 2de. TRIGONOMETRY. Second semester. 4 credits.
Required for freshmen majoring in Mathematics, Chemistry, or Physics, or taking the Pre-Medical course.
- 20de. BUSINESS MATHEMATICS. Second semester. 4 credits.
Prerequisite, 1.
- 3-4de. ANALYTIC GEOMETRY. 2 credits each semester.
Prerequisite, 1 and 2.

5de. DIFFERENTIAL CALCULUS. First semester. 3 credits.
Prerequisite, 1 and 2. Course 3 must be taken either before or with Course 5.

6de. INTEGRAL CALCULUS. Second semester. 3 credits.
Prerequisite, 5.

13-14de. ASTRONOMY. 2 credits each semester.
Prerequisite, 1 and 2. 1934-35 and alternate years. Offered in evening, 1933-34.

15. MATHEMATICS OF INSURANCE. First semester. 3 credits.
Prerequisite, 1, 2, or 20. 1933-34 and alternate years.

18. HISTORY OF MATHEMATICS. Second semester. 3 credits.
Prerequisite, 1 and 2. 1934-35 and alternate years.

The following courses may be taken by undergraduate or graduate students. Graduate students taking courses of the preceding group will receive no credit.

101-102. ADVANCED CALCULUS. 2 credits each semester.
Prerequisite, 6. 1933-34 and alternate years.

103. THEORY OF EQUATIONS. First semester. 3 credits.
Prerequisite, 5. 1933-34 and alternate years.

104. HIGHER GEOMETRY. Second semester. 3 credits.
Prerequisite, 6. 1933-34 and alternate years.

105-106de. DIFFERENTIAL EQUATIONS. 2 credits each semester.
Prerequisite, 6. 1934-35 and alternate years. Offered in evening, 1933-34.

109. HIGHER ALGEBRA. First semester. 3 credits.
Prerequisite, 6. 1934-35 and alternate years.

51-57. MATHEMATICS.
Courses 51-57 inclusive are given only for students in co-operative courses. For description, see Mathematics in the College of Engineering and Commerce.

58. MATHEMATICS OF FINANCE. Second semester. 3 credits.
Prerequisite, 1. Required of Commerce students, but may be taken by other students as an elective.

MILITARY SCIENCE AND TACTICS

(See page 31)

MODERN LANGUAGES

PROFESSOR BÜLGER, ASSISTANT PROFESSOR REED, MISS FANNING,
MR. MATURO, MR. ALBRECHT.

Major: The minimum for a major in this department is 30 hours of German, French, or Spanish, including freshman work.

Minor: In the case of students who choose a minor, but not a major, in foreign language, a total of 22 hours of foreign language inclusive of the freshman requirement is regarded as satisfying both the minor and the group-elective requirement in foreign language.

General Final Examination: Majors in this department are required to pass a general final examination toward the end of their last semester at the University.

Freshmen planning to major in Modern Language are advised to elect Mathematics.

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

High School Credits	Course Entered in College	Credit Given
1 unit	Second year	Full credit
	First year	First semester, no credit Second semester, full credit
2 units	Second year	Full credit
	First year	No 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

FRENCH

ASSISTANT PROFESSOR REED, MISS FANNING

1-2de. BEGINNING FRENCH. 4 credits each semester.

3-4. SECOND YEAR FRENCH. 3 credits each semester.

Prerequisite, 1-2.

5-6. THIRD YEAR FRENCH: THE FRENCH NOVEL. 2 credits each semester.

(Three credits each semester prior to 1933-34.) Prerequisite, 3-4.

7-8. FRENCH COMPOSITION. 2 credits each semester.

Prerequisite, 3-4.

107-114. ADVANCED FRENCH. 2 credits each semester.

Prerequisite, 6 and 8.

Two of the following courses are given each year:

107-108. FRENCH DRAMA OF THE SEVENTEENTH CENTURY.

109-110. MODERN FRENCH LITERATURE.

111-112. SURVEY OF FRENCH LITERATURE.

113-114. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY.

SPANISH

MISS FANNING, MR. MATURO.

1-2. BEGINNING SPANISH. 4 credits each semester.

3-4. SECOND YEAR SPANISH. 3 credits each semester.

5-6. THIRD YEAR SPANISH: SPANISH DAILY LIFE. 2 credits each semester.

Prerequisite, 3-4. (Not offered prior to 1933-34.)

7-8. SPANISH COMPOSITION. 2 credits each semester.

Prerequisite, 3-4. (Not offered prior to 1933-34.)

107-114. ADVANCED SPANISH. 2 credits each semester.

Prerequisite, 6 and 8.

Two of the following courses are offered each year:

107-108. THE SPANISH DRAMA.

109-110. THE SPANISH NOVEL.

111-112. SURVEY OF SPANISH LITERATURE.

113-114. SOUTH AMERICAN LITERATURE.

115-116. SEVENTEENTH CENTURY LITERATURE.

13-14e. COMMERCIAL SPANISH. 3 credits each semester.

Evening Session, 1933-34.

GERMAN

PROFESSOR BULGER, MISS REED, MR. ALBRECHT

1-2de. FIRST YEAR GERMAN. 4 credits each semester.

3-4. SECOND YEAR GERMAN. 3 credits each semester.

Prerequisite, 1-2.

5-6. GERMAN DAILY LIFE. 2 credits each semester.

Prerequisite, 3-4.

7-8. GERMAN COMPOSITION. 2 credits each semester.

Prerequisite, 3-4.

107-118. ADVANCED GERMAN. 2 credits each semester.

Prerequisite, 7-8.

Two of the following courses are offered each year:

107-108. SCHILLER.

109-110. GOETHE.

111-112. SURVEY OF GERMAN LITERATURE.

113-114. MODERN GERMAN DRAMA.

115-116. FAUST.

117-118. PROSEMINAR.

MUSIC

ASSISTANT PROFESSOR ENDE, MR. GARLINGHOUSE, MR. LEBO;
MR. DELEONE, PIANO; MR. CAMPBELL, VIOLIN; MR. STEIN, VOICE.

Credit Toward Graduation: A total of 15 semester hours of Music, or less, may be credited toward graduation from Buchtel College of Liberal Arts. The work credited may include:

- a. Courses in the history and appreciation and in the theory of music.
- b. Glee club, orchestra, and band.
- c. Applied music; i.e., private instruction in piano, organ, voice, violin and other orchestra instruments, and band instruments.

Credit for applied music (Group c) is allowed only on the basis of 2 semester hours of credit in Group a for each semester hour of applied music.

The maximum credit allowed for glee club, orchestra, and band is 6 semester hours.

SCHOLARSHIPS IN MUSIC

The University offers eighteen scholarships, each worth \$40 per semester, for private lessons in piano, organ, voice, violin and other orchestral instruments, and band instruments, for students who are taking one or more courses in Buchtel College of Liberal Arts. For further information, see page 34.

COURSES IN HISTORY AND APPRECIATION, AND THEORY

ASSISTANT PROFESSOR ENDE.

1. GENERAL THEORY. Either semester. 1 credit.
An introductory course required of all students electing courses in applied music or the theory of music, and to be taken concurrently with such courses during the first semester of study. This course must be elected by students who desire credit toward a degree for work in applied music, and by students who are awarded Pixley Scholarships in applied music.
- 3-4. ELEMENTARY HARMONY. 2 credits each semester.
- 5-6. ADVANCED HARMONY. 2 credits each semester.
- 35-36. HISTORY AND APPRECIATION OF MUSIC. 3 credits each semester.

GLEE CLUB, ORCHESTRA, BAND

MEN'S GLEE CLUB. 1 credit each semester. MR. GARLINGHOUSE
WOMEN'S GLEE CLUB. 1 credit each semester. MR. GARLINGHOUSE
ORCHESTRA. 1 credit each semester. MR. ENDE
BAND. 1 credit each semester. MR. LEBO

APPLIED MUSIC: PRIVATE LESSONS

Piano, organ, voice, violin and other orchestral instruments,
and band instruments, two private lessons per week, each
semester \$60.00
Piano practice per semester 5.00
Organ practice by special arrangement.

For further information concerning courses offered, see page 113.

PHILOSOPHY

ASSOCIATE PROFESSOR WOOD, MR. DONLEY.

Major: A combined Philosophy-Psychology major of 24 hours is offered, but no major in Philosophy or Psychology alone. A major must include Psychology 1, 2, 7, 8 and Philosophy 1, 2, 5, 6.

- 1-2de. INTRODUCTION TO PHILOSOPHY. 3 credits each semester.
MR. WOOD
- 3-4e. HISTORY OF PHILOSOPHY. 3 credits each semester.
Prerequisite, 2. MR. DONLEY
5. ETHICS. First semester. 3 credits. MR. WOOD
6. LOGIC. Second semester. 3 credits. MR. WOOD
- 9e. ESTHETICS. First semester. 2 credits.
Evening Session, 1933-34. MR. DONLEY

PHYSICAL EDUCATION

All freshmen are required to take two hours of physical education each week. See page 53.

PHYSICS

PROFESSOR HOUSEHOLDER, ASSISTANT PROFESSOR FOUTS,
DR. GRAY, DR. TROLLER.

Major: A minimum of 32 hours in Physics and 18 hours in Mathematics. The following courses in Physics, or their equivalent, must be included: 9-4, 5-6, 7-8, 105-106, 109-110 or 111-112, and 113 or 114. Courses 116-116 may be substituted for any of the courses marked 100, if the student has had Differential Equations. Majors may elect a maximum of 20 hours in the Engineering College.

Other Requirements: Literature, 6 hours; History, Political Science, or Economics, 6 hours; Psychology or Sociology, 6 hours; Chemistry, 8 hours; Foreign Language, preferably German, 14 hours.

Engineering Courses: Courses 51-52, 53-54, 55 and 56 are for students in Engineering College, and with the exception of 51-52 are given on the co-operative basis.

- 1-2. GENERAL PHYSICS. 4 credits each semester.
An introductory survey planned to satisfy the minor requirement in science for the A.B. degree, and to give the student a general knowledge of the subject together with some training in the method of science. Three lectures and one laboratory period per week. The laboratory work may be omitted with corresponding loss of credit. Laboratory fee, \$2.00 each semester.

MR. HOUSEHOLDER AND MR. GRAY

- 3-4. MECHANICS AND SOUND. 4 credits each semester.
A more intensive course for students who expect to major in Physics or to acquire a working knowledge of the subject. Students in this course must have completed the freshman mathematics courses or be taking them in connection with this course. Essentially the same as courses 51-52 in the Engineering College. Two lectures and two laboratory periods per week. Laboratory fee, \$4.00 each semester.

MR. HOUSEHOLDER AND MR. GRAY

5-6. HEAT, MAGNETISM, AND ELECTRICITY. 4 credits each semester.

A continuation of 3-4. Prerequisites, freshman mathematics and Physics 3-4. The student must also be taking Calculus. Laboratory fee, \$4.00 each semester. MR. FOUTS

7. LIGHT AND GENERAL RADIATIONS. First semester. 4 credits. Prerequisites, 5-6 and Calculus. Three lectures and one laboratory period per week. Laboratory fee, \$2.00. MR. HOUSEHOLDER

105-106. ADVANCED ELECTRICITY. MAGNETISM. 4 credits each semester.

Prerequisites, 6 and Calculus. Two lectures and two laboratory periods per week. Laboratory fee, \$4.00 each semester.

MR. HOUSEHOLDER AND MR. FOUTS

108. PHYSICAL OPTICS. Continuation of 7. Second semester. 4 credits. Laboratory fee, \$2.00. MR. HOUSEHOLDER

109-110. ADVANCED MECHANICS. 3 credits each semester.

Three lectures per week. MR. FOUTS

111-112. INTRODUCTION TO THEORETICAL PHYSICS. 3 credits each semester. MR. GRAY

113-114. ADVANCED PHYSICAL MEASUREMENTS. 2 credits each semester.

115-116. THERMODYNAMICS. 3 credits each semester.

Three lectures per week. MR. HOUSEHOLDER

121-122. APPLIED AERODYNAMICS. 2 credits each semester.

Prerequisites, 109-110 and Mathematics 55. MR. TROLLER

COURSES FOR ENGINEERS

51-52. FRESHMAN PHYSICS. MECHANICS. 4 credits each semester. MR. HOUSEHOLDER, MR. GRAY

53-54. SOPHOMORE PHYSICS: HEAT, MAGNETISM, ELECTRICITY. 5 credits each semester.

Prerequisites, 51-52 and Mathematics 51-52. MR. FOUTS

55. JUNIOR PHYSICS: APPLIED MECHANICS. 6 credits.

Prerequisites, 53-54 and Calculus. MR. FOUTS

56. JUNIOR PHYSICS: WAVE MOTION, LIGHT, AND SOUND. 5 hours.

Prerequisites, 53-54 and Calculus. Offered in the Summer Session only. Physics 7 may be substituted for this course.

MR. HOUSEHOLDER

POLITICAL SCIENCE

PROFESSOR CRECRAFT, ASSISTANT PROFESSOR SHERMAN,
MR. KING.

Courses in Political Science are offered to meet the following needs: (1) a better understanding of the responsibilities of citizenship and a better comprehension of government as a necessary part of a liberal education; (2) a stimulation of interest in a possible career in public service; (3) a better pre-professional training for law, teaching, commerce and industry, journalism, and social service.

Students majoring in political science are urged to select among their free electives, some of the courses offered in the Commerce department, especially the following: Accounting, Statistics, Business Administration, and Elements of Public Finance. For a description of these courses, see under the College of Engineering and Commerce.

Freshmen planning to major in Political Science are advised to elect Mathematics.

Major: Twenty-four hours selected from any courses offered by the department exclusive of the freshman required course in Problems of Citizenship.

Minor: Eighteen hours (exclusive of group electives) in some department other than the major department. Selection of a minor must be approved by the department.

General Final Examination: Seniors majoring in Political Science are required to take 127 the first semester, and at some time during the second semester are required to pass a general final examination covering all the work they have taken in the department.

I. ELEMENTARY COURSES—PRIMARILY FOR FRESHMEN

- 1de. PROBLEMS OF CITIZENSHIP. Either semester. 4 credits.
2. AMERICAN GOVERNMENT. Either semester. 3 credits.
3. PROBLEMS OF CITIZENSHIP. First semester. 3 credits.
For Commerce students only.
4. COMPARATIVE GOVERNMENT. Second semester. 3 credits.

II. INTERMEDIATE COURSES. PRIMARILY FOR SOPHOMORES

- 5-6. MUNICIPAL GOVERNMENT AND ADMINISTRATION. 3 credits
each semester. MR. SHERMAN
7. AMERICAN POLITICAL PARTIES. First semester. 2 credits.
MR. KING
- 10de. ELEMENTS OF LAW. Second semester. 3 credits.
1934-35 and alternate years. MR. CRECRAFT
14. PUBLIC ADMINISTRATION. Second semester. 2 credits.
1933-34 and alternate years. MR. CRECRAFT

III. ADVANCED UNDERGRADUATE COURSES

19. CONSTITUTIONAL LAW. First semester. 3 credits.
Prerequisite, 3, together with another of the elementary or intermediate courses listed above. MR. CRECRAFT
20. GOVERNMENT AND BUSINESS. Second semester. 3 credits.
Prerequisite, same as for 19. MR. CRECRAFT
13. GOVERNMENT AND SOCIAL WELFARE. First semester.
3 credits.
Prerequisite, same as for 19. MR. CRECRAFT
21. POLITICAL THEORY. First semester. 2 credits.
Prerequisite, same as for 19. MR. KING

22. MUNICIPAL CORPORATIONS. Second semester. 3 credits.
Prerequisite, same as for 19. 1933-34 and alternate years.

MR. CRECRAFT

24. MUNICIPAL FINANCE. Second semester. 2 credits.
Prerequisite, same as for 19. 1934-35 and alternate years.

MR. SHERMAN

25-26. INTERNATIONAL RELATIONS. 3 credits each semester.
Course not divisible. Prerequisite, same as for 19. MR. CRECRAFT

127. SENIOR SEMINAR. First semester. 3 credits.
Course prepares majors for the general final examination.

MR. CRECRAFT

PSYCHOLOGY

PROFESSOR HAYES, ASSOCIATE PROFESSOR WOOD.

Major: A combined Psychology-Philosophy major of 24 hours is offered, but no major in Psychology or Philosophy alone. A major must include Psychology 1, 2, 7, 8 and Philosophy 1, 2, 5, 6.

1de. GENERAL PSYCHOLOGY. First semester. 3 credits.

MR. HAYES, MR. WOOD

2. APPLIED PSYCHOLOGY. Second semester. 3 credits. MR. WOOD

5de. CHILD PSYCHOLOGY. First semester. 2 credits.

Prerequisite, 2.

MR. HAYES

7. MENTAL HYGIENE. First semester. 3 credits.

Prerequisite, 2.

MR. HAYES

8. SOCIAL PSYCHOLOGY. Second semester. 3 credits.

Prerequisite, 2.

MR. WOOD

101de. GENETIC PSYCHOLOGY. Second semester. 2 credits.

Prerequisite, 9 hours of Psychology.

MR. HAYES

105de. PSYCHOLOGY OF ADOLESCENCE. First semester. 2 credits.

Prerequisite, 9 hours of Psychology including Educational Psychology 3.

MR. HAYES

SOCIOLOGY

PROFESSOR DEGRAFF, MISS DAY.

Major: Twenty-four hours constitute a major.

General Final Examination: Seniors majoring in this department are required to pass a general final examination covering all the courses they have taken in their major subject.

1de. GENERAL SOCIOLOGY. First semester. 3 credits.

2. SOCIAL ATTITUDES. Second semester. 3 credits.

Prerequisite, 1.

4. **THE FAMILY.** Second semester. 3 credits.
Prerequisite, 1 and 2. 1933-34 and alternate years.
8. **SOCIAL ORIGINS.** Second semester. 2 credits.
Prerequisite, 1 and 2. 1934-35 and alternate years.
- 9-10. **SEMINAR AND THESIS.** Not more than 2 credits each semester.
For seniors only.
12. **CRIMINOLOGY.** Second semester. 3 credits.
Prerequisite, 1 and 2. 1934-35 and alternate years.
13. **URBAN-RURAL SOCIOLOGY.** First semester. 2 credits.
Prerequisite, 1 and 2. 1933-34 and alternate years.
14. **THE SOCIOLOGY OF THE CROWD.** Second semester. 2 credits.
Prerequisite, 1 and 2. 1933-34 and alternate years.
105. **THE SOCIOLOGY OF LEISURE TIME.** First semester. 3 credits.
Prerequisite, 1 and 2. Not offered 1933-34. Offered 1934-35.
107. **SOCIAL THEORY.** First semester. 2 credits.
Prerequisite, 1 and 2. 1934-35 and alternate years.
- 113de. **THE JUVENILE DELINQUENT.** First semester. 3 credits.
Prerequisite, 1 and 2. 1933-34 and alternate years.
- 301-302e. **UNEMPLOYED RELIEF.** 2 credits each semester.
Offered 1933-34. MISS DAY

In addition to the preceding courses, the following courses will be offered as soon as demand and the growth of the department justify:

THE SOCIAL SURVEY	SOCIAL CASE WORK
SOCIAL WELFARE PROBLEMS	LEADERSHIP
SOCIAL STATISTICS	THE AMERICAN NEGRO
THE SOCIOLOGY OF MIDDLE AGE	GENERAL ANTHROPOLOGY

SPEECH

PROFESSOR HAYWORTH, ASSISTANT PROFESSOR McEBRIGHT,
MISS DYE, MISS KNIGHT, MR. TURNER,
MISS McSHAFFREY.

Major: Twenty-four hours, including 1, 3, 32; and for majors in dramatics, Stage Costuming.

General Final Examination: Information regarding the general final examination may be obtained from the head of the department.

In those courses in which the student is expected to do various exercises before the class, as in Public Speaking or Interpretation, additional class meetings will be held if the number enrolled is above ten. For this reason extra recitation hours are scheduled and will be used in proportion to the number of students in the section.

- 1de. **PUBLIC SPEAKING.** Either semester. 3 credits.
3. **INTRODUCTION TO VOICE SCIENCE.** Either semester. 3 credits.
Required for students in Elementary Course in Teachers College.
MISS DYE

- 9de. RADIO SPEAKING. Either semester. 3 credits.
MISS KNIGHT
- 10e. ADVANCED RADIO SPEAKING. Second semester. 3 credits.
MISS KNIGHT
11. ADVANCED PUBLIC SPEAKING. Either semester. 3 credits.
Prerequisite, 1. MISS DYE
13. SPEECH COMPOSITION. First semester. 2 credits.
Prerequisite, 1. MISS DYE
- 19-20. DEBATE. 2 credits each semester.
Prerequisite, 1. MISS DYE
- 21-22. PLAY PRODUCTION. 3 credits each semester.
Fee, \$2.00 each semester. MR. HAYWORTH
- 23-24de. ACTING. 3 credits each semester. MR. HAYWORTH
- 31de. INTERPRETATION. 3 credits either semester. MISS MC EBRIGHT
- 32de. INTERPRETATION. Second semester. 3 credits.
Prerequisite, 31. MISS MC EBRIGHT
34. ADVANCED INTERPRETATION. Second semester. 3 credits.
This course may be taken instead of 32 by students who have shown
unusual ability in 31. Credit is not given for both 32 and 34.
MISS MC EBRIGHT
42. SPEECH CORRECTION. Second semester. 3 credits.
1933-34 and alternate years. Prerequisite, 3. MISS DYE
- 101-102. SEMINAR. 1 to 3 credits each semester.
Advanced work by either individuals or groups, in any aspect of
speech not covered in formal courses. Plans for various seminars
are developed by student and instructor with the approval of the
head of the department.
- 91-92. PUBLIC SPEAKING. For Engineering students only.
See Engineering. MR. HAYWORTH
- 51e. BUSINESS PUBLIC SPEAKING. Either semester.
For men and women. If credit is desired, see instructor.
- 52e. ADVANCED BUSINESS PUBLIC SPEAKING. Second semester.
For men and women. If credit is desired, see instructor.
- 35e. VOICE-SPEECH. 2 credits each semester. MISS MC EBRIGHT

COMBINATION COURSES

1. AT THE UNIVERSITY OF AKRON

THE ARTS-TEACHERS COMBINATION COURSE

A five-year combination Liberal Arts-Education program, leading to the degree Bachelor of Arts and the degree Master of Arts in Education, is offered students preparing for teaching. See page 107.

2. WITH WESTERN RESERVE UNIVERSITY

THE ARTS-LAW COMBINATION COURSE

This course comprises a total of six years, three at the University of Akron and three at the Law School of Western Reserve University. At the end of four years the Bachelor's degree is conferred by the University of Akron for the satisfactory completion of 128 semester hours of work. At the end of six years the student may become a candidate for the degree of Bachelor of Laws at Western Reserve University.

The requirements in Buchtel College of Liberal Arts for the A. B. degree under this plan are: three years' residence; 101 semester hours completed at the University of Akron with an average grade of at least 85%, such work to include all freshman, major, minor, and group-elective requirements for the A. B. degree; and sufficient credit from the Law School of Western Reserve University to make a total of 128 semester hours.

3. WITH OTHER PROFESSIONAL OR TECHNICAL SCHOOLS

The University of Akron is also willing to give the opportunity for combination courses with other approved professional or technical schools requiring at least three years of Liberal Arts work for entrance. The approval of such courses rests with the dean of Buchtel College and the committee on advanced standing. In making such combinations, the University of Akron will insist on the fulfillment of the general requirements of three years' residence at Akron; the completion of 96 semester hours at the University of Akron, including all required majors, minors, and group-electives; and the completion of a total of 128 semester hours for graduation.

Students are warned against haphazard work in the University of Akron with the idea that a course chosen at random may be combined with any professional school to which their inclination may later direct them. The choice of the school with which the combination is desired should not be delayed beyond the close of the sophomore year. To be considered a candidate for a degree under the plan of combination courses, a student must make all arrangements with the dean of Buchtel College at or before the close of his junior year. The dean and the committee on advanced standing are at all times ready to assist students in making combinations with reputable professional and technical schools.

COLLEGE OF ENGINEERING AND COMMERCE

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."

In 1921 the Department of Commerce and Administration became a department of the Engineering College and the name of the latter was changed to the College of Engineering and Commerce. In January, 1926, a department of Secretarial Science was created.

Akron is a manufacturing center in whose industries there is a constant demand for men with engineering training who will interest themselves in the problems of factory production and management rather than those of engineering design and construction. In order to furnish such training, the College of Engineering and Commerce offers a course in Industrial Engineering which includes both engineering and commerce subjects.

The "Cincinnati Plan" aims to give the student a thorough training in both theory and practice by requiring the practice to be learned under actual commercial conditions in local industrial and business organizations, and the underlying science to be studied in the University under trained educators. To accomplish this the students are grouped in two divisions, one of which is at work and the other in attendance at the University. For example, A who is in division A, attends classes at the University for nine weeks while B, who is paired with A and who is in division B, is at work. Then they change places, and B attends the University for nine weeks while A is at work. This necessitates the giving of all university work twice—once for each division.

Five years of eleven months each are required to complete the course. Freshman engineers spend the first year at the University full time, after which twenty-two weeks of each year are spent in the classroom.

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 order to conduct a co-operative course, the college must be located in or near an industrial center, and, while there are nearly 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 vocational education was selected as being the latest and the one best adapted to the city's needs; therefore no other courses in Engineering are offered.

OUTSIDE WORK

The Department of Co-ordination and the employer so 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.

The outside work is considered such a vital part of the co-operative program that the student is expected to alternate between his classroom work in college and his practical work in industry according to a prescribed schedule. Any student who has deviated from this schedule without written permission from the Co-ordination Department will not be recommended for a degree.

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.

While at work, co-operative students are kept in constant touch with the college by means of home study courses, work reports, and co-ordinators' shop visits. The home study courses consist of weekly assignments in engineering problems which preserve continuity in the study habit. 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 on 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 and not to enable him to earn money. The student's earnings are not sufficient to pay his expenses. The student 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 direct, as does any other employee.

DEGREES

The degrees of Bachelor of Civil Engineering, Bachelor of Mechanical Engineering, Bachelor of Electrical Engineering, Bachelor of Industrial Engineering, Bachelor of Science in Business Administration, and Bachelor of Science in Secretarial Science, 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.

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 and Commerce are required to take the basic course with exceptions as listed on page 31. It takes two years to complete the basic course on the co-operative or part-time plan. All freshmen are urged to attend the basic camp at the end of the freshman year and satisfactory arrangements have been made in the summer school for such attendance.

Students pursuing advanced R. O. T. C. are allowed to substitute military training (not over 12 co-operative hours of credit) for courses in the curriculum. These courses shall be selected by a committee composed of the Dean, head of the department in which the student is classified, and the professor of co-ordination.

ADMISSION

Candidates for admission must be at least sixteen years of age, and must present fifteen units of secondary school work. Students will be admitted with entrance conditions amounting to not more than one unit. Such conditions must be removed during the freshman year.

ENTRANCE REQUIREMENTS

The following supplements the statement of general entrance requirements made on page 17.

The requirement for unconditional entrance is 15 units.

The specific requirements for entrance to this college are as follows:

	Engineering	Commerce and Secretarial
English.....	3 units	3 units
Mathematics (Algebra 1½, Plane Geometry 1).....	2½ units	2½ units
Solid Geometry.....	½ unit	
American History and Civics.....	1 unit	1 unit
Science (must include laboratory work).....	1 unit	1 unit
Foreign Language.....		2 units
Electives (not more than 3 units in vocational subjects)	7 units	5½ units

**ENTRANCE REQUIREMENTS FOR
TWO-YEAR COURSE IN SECRETARIAL SCIENCE**

The specific requirements for entrance to the two-year course in Secretarial Science are as follows:

English.....	3 units
Algebra.....	1 unit
Geometry.....	1 unit
or Foreign Language.....	2 units
U. S. History and Civics.....	1 unit
Science (Physics, Chemistry, or Biology).....	1 unit
Electives.....	7 or 8 units
Minimum total credits required.....	15 units

Of the elective units accepted, six units may be in vocational subjects distributed as follows:

- If 6 units are offered, at least 4 should be commercial.
- If 5 units are offered, at least 3 should be commercial.
- If 4 units are offered, at least 2 should be commercial.

Students enrolled in the two-year Secretarial Course may transfer to other departments of the University with the permission of the University Registrar and the Deans of the respective colleges concerned, but only after all entrance requirements have been satisfied for the course to which transfer is desired.

ESTIMATED EXPENSE OF FRESHMAN YEAR

FIRST SEMESTER

	Resident	Non-Resident
Tuition.....	Free	*\$ 90.00
Fees.....	\$59.00	59.00
Books and Drawing Instruments.....	40.00	40.00
Total.....	\$99.00	\$189.00

SECOND SEMESTER

	Resident	Non-Resident
Tuition.....	Free	*\$ 90.00
Fees.....	\$45.00	45.00
Books.....	8.00	8.00
Total.....	\$53.00	\$143.00

Board and room can be obtained for approximately \$8 per week.

*The tuition is \$60.00 for co-operative students when attending the University half time.

ENGINEERS' WORK CALENDAR

1934	S	M	T	W	T	F	S	S	M	T	W	T	F	S
APR.	8	9	10	11	12	13	14	14	15	16	17	18	19	20
	15	16	17	18	19	20	21	NOV.	28	29	30	31	1	2
	22	23	24	25	26	27	28		4	5	6	7	8	9
MAY	29	30	1	2	3	4	5		11	12	13	14	15	16
	6	7	8	9	10	11	12		18	19	20	21	22	23
	13	14	15	16	17	18	19	DEC.	25	26	27	28	29	30
	20	21	22	23	24	25	26		2	3	4	5	6	7
	27	28	29	30	31	1	2		9	10	11	12	13	14
JUNE	3	4	5	6	7	8	9		16	17	18	19	20	21
	10	11	12	13	14	15	16	1935	23	24	25	26	27	28
	17	18	19	20	21	22	23	JAN.	30	31	1	2	3	4
	24	25	26	27	28	29	30		6	7	8	9	10	11
JULY	1	2	3	4	5	6	7		13	14	15	16	17	18
	8	9	10	11	12	13	14		20	21	22	23	24	25
	15	16	17	18	19	20	21		27	28	29	30	31	1
	22	23	24	25	25	27	28	FEB.	3	4	5	6	7	8
AUG.	29	30	31	1	2	3	4		10	11	12	13	14	15
	5	6	7	8	9	10	11		17	18	19	20	21	22
	12	13	14	15	16	17	18		24	25	26	27	28	1
	19	20	21	22	23	24	25	MAR.	3	4	5	6	7	8
	26	27	28	29	30	31	1		10	11	12	13	14	15
SEPT.	2	3	4	5	6	7	8		17	18	19	20	21	22
	9	10	11	12	13	14	15		24	25	26	27	28	29
	16	17	18	19	20	21	22	APR.	31	1	2	3	4	5
	23	24	25	26	27	28	29		7	8	9	10	..	..
OCT.	30	1	2	3	4	5	6							
	7	8	9	10	11	12	13							

Dates in light face type indicate work periods for Division B.

Dates in bold face type indicate work periods for Division A.

CALENDAR FOR CO-OPERATIVE ENGINEERS

1934-35

DIVISION A

April 9 to July 14, 1934	Industry
July 16 to August 11	School
August 13 to September 15	Vacation
September 17 to November 17	School
November 19 to February 2, 1935	Industry
February 4 to April 6	School

DIVISION B

April 9 to April 14, 1934	Vacation
April 16 to July 14	School
July 16 to November 17	Industry
November 19 to December 21	School
December 22 to January 5, 1935	Vacation
January 7 to February 2	School
February 4 to April 6	Industry

DEPARTMENTS OF INSTRUCTION

Letters prefixed to course numbers indicate that these courses are given in the respective colleges or departments as follows:

- A.—College of Liberal Arts.
- C.—Commerce.
- C. E.—Civil Engineering.
- E. E.—Electrical Engineering.
- M. E.—Mechanical Engineering.
- I. E.—Industrial Engineering.
- S.—Secretarial Science.
- T.—Teachers College.

Credit hours are on the co-operative basis except where it is specified that they are on the full-time basis.

ENGINEERING

OUTLINE OF COURSES FOR FRESHMEN

The freshman courses listed below are the same for all departments of engineering. All freshmen attend the University full time during the first year.

FIRST SEMESTER		SECOND SEMESTER	
	Cr. Hrs.*		Cr. Hrs.*
<i>Group A and B</i>		<i>Groups A and B</i>	
Military Science and Tactics.	1	Military Science and Tactics.	1
Physical Education.	1	Physical Education.	1
Orientation 1.	1	Orientation 2.	1
Mathematics 51 (Trigonometry).	4	Mathematics 52 (Algebra) (1st 9 weeks).	2
Physics 51.	4	Mathematics 53 (Analytical Geometry) (2nd 9 weeks).	2
English Composition 80.	3	Physics 52.	4
<i>Group A</i>		English Composition 81.	3
Drawing, M.E. 3.	2	<i>Group A</i>	
Surveying, C.E. 1 (1st 9 weeks).	1½	Drawing, M.E. 4.	4
Human Relationships, I.E. 11 (2nd 9 weeks).	1	<i>Group B</i>	
<i>Group B</i>		Drawing M.E. 3.	2
Drawing, M.E. 4.	4	Surveying C.E. 1 (2nd 9 weeks).	1½
		Human Relationships, I.E. 11 (1st 9 weeks).	1

SUMMER TERM

Not required of freshmen

*Credit hours for the freshman year are on the full time or semester basis.

CIVIL ENGINEERING

(Co-operative Basis after Freshman Year)

FRESHMAN YEAR

(See General Outline of Engineering Courses for Freshmen on preceding pages.)

SOPHOMORE YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Military Science and Tactics.....	1	Military Science and Tactics.....	1
Plane Table Surveying C.E. 7.....	1	Plane Table Surveying C.E. 8.....	1
Mathematics 54.....	4	Mathematics 55.....	4
Physics 53.....	5	Physics 54.....	5
Descriptive Geometry M.E. 8.....	5	Elem. Power Plants M.E. 21.....	5
Public Speaking 91.....	2	Public Speaking 92.....	2
English Literature 85.....	2	English Literature 86.....	2
Engineering Problems, Co-ord. 31.....	2	Engineering Problems, Co-ord. 32.....	2

SUMMER SESSION

	Cr. Hrs.
Structural Drawing, C.E. 10.....	3
Surveying, C.E. 4.....	6
Inspection Trips, Co-ordination 72.....	1

PRE-JUNIOR YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Chemistry 31.....	6	Bacteriology 80.....	5
Mathematics 56.....	4	Mathematics 57.....	4
Physics 55.....	5	Strength of Materials C.E. 16.....	6
Roofs and Bridges C.E. 12.....	6	Materials Laboratory C.E. 18.....	3
Engineering Problems, Co-ord. 41.....	2	Roofs and Bridges C.E. 14.....	2
		Engineering Problems, Co-ord. 42.....	2
		Elective.....	3

SUMMER SESSION

	Cr. Hrs.
Railroads C.E. 20.....	5
Reinforced Concrete C.E. 22.....	2
Concrete Laboratory C.E. 24.....	2
Inspection Trips, Co-ordination 73.....	1

JUNIOR YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Highways and Airports C.E. 30.....	5	Hydraulics M.E. 75.....	5
D. C. Theory E.E. 5.....	6	A. C. Theory E.E. 6.....	6
D. C. Laboratory E.E. 7.....	4	A. C. Laboratory E.E. 8.....	4
Design of Concrete Structures C.E. 26.....	7	Design of Steel Structures C.E. 28.....	7
Engineering Problems, Co-ord. 51.....	2	Engineering Problems, Co-ord. 52.....	2

SUMMER SESSION

	Cr. Hrs.
Physics 56.....	5
Engineering Geology C.E. 52.....	3
Inspection Trips, Co-ordination 74.....	1
Elective.....	1

SENIOR YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Industrial Engineering I.E. 2.....	6	Accounting C. 28.....	6
Sewerage C.E. 34.....	6	Water Supply C.E. 38.....	6
Economics A. 23.....	5	Economics A. 24.....	5
Engineering Design — Airplane Structures C.E. 36.....	3	Engineering Design C.E. 40.....	3
Engineering Problems, Co-ord. 61.....	2	Engineering Problems, Co-ord. 64.....	2

The above courses comprise the subjects 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 total of 280 credit hours.

CIVIL ENGINEERING

PROFESSOR DURST, ASSOCIATE PROFESSOR BULGER.

- 1de. SURVEYING. First semester. 3 credits. MR. DURST
3. ELEMENTS OF STRUCTURAL DESIGN. First semester. 6 credits.
MR. BULGER
4. SURVEYING. Summer Session. 6 credits.
Five recitations and 14 hours of field per week. Prerequisite, 1.
MR. DURST AND MR. BULGER
6. TOPOGRAPHIC SURVEYING. Either semester. 10 credits.
A surveying project is arranged. The work involves triangulation,
plane table, true north azimuths and contour mapping.
MR. DURST AND MR. BULGER
- 7-8. PLANE TABLE SURVEYING. 1 credit each semester.
A project is elected involving the various methods used in mapping.
Prerequisite, 1. MR. DURST
9. MUNICIPAL ENGINEERING. Either semester. 5 credits.
A study of city planning and city surveying. MR. DURST
10. STRUCTURAL DRAWING. Summer Session. 3 credits.
Twelve hours per week. Prerequisite, Descriptive Geometry.
MR. GRIFFIN
11. ARCHITECTURAL DRAWING. Either semester. 2 credits.
Architectural lettering in pencil and ink. Floor plans, elevations,
and sectional views of simple buildings. Framing and window
details. Prerequisite, M. E. 4. MR. DURST
- 12-14. ROOFS AND BRIDGES. 6 credits first semester; 2 credits
second semester. MR. BULGER
16. STRENGTH OF MATERIALS. Second semester. 6 credits.
Prerequisites, Physics and Calculus. MR. BULGER
18. MATERIALS LABORATORY. Second semester. 3 credits.
Prerequisite, C. E. 16. MR. BULGER
20. RAILROADS. Summer Session. 5 credits.
Five recitations and 10 hours of field work per week. Prerequisite,
C. E. 4. MR. DURST
22. REINFORCED CONCRETE. Summer Session. 2 credits.
Four recitations per week. Prerequisite, C. E. 16. MR. BULGER
24. CONCRETE LABORATORY. Summer Session. 2 credits.
Eight hours of laboratory work per week. MR. DURST
26. DESIGN OF CONCRETE STRUCTURES. First semester. 7 credits.
Prerequisite, C. E. 22. MR. BULGER
28. DESIGN OF STEEL STRUCTURES. Second semester. 7 credits.
Prerequisite, C. E. 16. MR. BULGER

30. HIGHWAYS AND AIRPORTS. Second semester. 5 credits.
MR. DURST
32. ENGINEERING GEOLOGY. Summer Session. 3 credits.
MR. DURST
34. SEWERAGE. First semester. 6 credits.
Prerequisite, M. E. 75. MR. DURST
36. ENGINEERING DESIGN (Airplane Structures). First semester.
3 credits. MR. BULGER
38. WATER SUPPLY. Second semester. 6 credits.
Prerequisite, M. E. 75. MR. DURST
40. ENGINEERING DESIGN. Second semester. 3 credits.
MR. BULGER

ELECTRICAL ENGINEERING

(Co-operative Basis after Freshman Year)

FRESHMAN YEAR

(See General Outline of Engineering Courses for Freshmen on preceding pages.)

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Science and Tactics.....	1	Military Science and Tactics.....	1
Mathematics 54.....	4	Mathematics 55.....	4
Physics 53.....	5	Physics 54.....	5
Descriptive Geometry M.E. 8.....	5	Elementary Power Plants M.E. 21.....	5
Public Speaking 91.....	2	Public Speaking 92.....	2
English Literature 85.....	2	English Literature 86.....	2
Bench Work M.E. 49.....	1	Bench Work M.E. 50.....	1
Engineering Probs., Co-ord. 31.....	2	Engineering Probs., Co-ord. 32.....	2

SUMMER SESSION

	Cr. Hrs.
Machine Drawing M.E. 14.....	4
Mechanical Engineering Laboratory M.E. 24.....	2
Inspection Trips, Co-ordination 72.....	1
Elective.....	3

PRE-JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Mathematics 56.....	4	Mathematics 57.....	4
Chemistry 31.....	6	Chemistry 32.....	6
D. C. Theory E.E. 6.....	6	A. C. Theory E.E. 6.....	6
D. C. Laboratory E.E. 7.....	4	A. C. Laboratory E.E. 8.....	4
Engineering Probs., Co-ord. 41.....	2	Engineering Probs., Co-ord. 42.....	2

SUMMER SESSION

	Cr. Hrs.
Physics 56.....	5
Advanced Direct Current Circuits E.E. 9.....	2
Advanced Direct Current Laboratory E.E. 10.....	2
Inspection Trips, Co-ordination 73.....	1

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Economics A. 23.....	5	Economics A. 24.....	5
Advanced Electricity and Magnetism E.E. 11.....	5	Advanced Alternating Current Circuits and Equipment E.E. 12.....	5
Electrical Measurements Lab. E.E. 13.....	6	Advanced Alternating Cur. Lab. E.E. 14.....	2
Physics 55.....	5	Strength of Materials C.E. 16.....	6
Engineering Probs., Co-ord. 53.....	2	Materials Laboratory, C.E. 18.....	3
		Engineering Probs., Co-ord. 54.....	2

SUMMER SESSION

Advanced Alternating Current Circuits and Equipment E.E. 20.....	Cr. Hrs.
Advanced Alternating Current Laboratory, E.E. 22.....	5
Inspection Trips, Co-ordination 74.....	4
	1

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Thermodynamics, M.E. 82.....	5	Hydraulics, M.E. 75.....	5
Advanced Alternating Current Circuits and Equipment, E.E. 28.....	5	Electric Power Transmission, E.E. 41.....	5
Special Electric Problems, E.E. 61.....	6	Radio Communication, E.E. 46.....	4
Industrial Engineering, I.E. 2.....	6	Special Electrical Probs., E.E. 62.....	4
Engineering Problems, Co-ord. 67.....	2	Accounting C. 28.....	6
		Engineering Problems, Co-ord. 68.....	2

The above courses comprise the subjects 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 total of 280 credit hours.

ELECTRICAL ENGINEERING

PROFESSOR WALTHER, ASSISTANT PROFESSOR SMITH.

5. DIRECT CURRENT THEORY. First semester. 6 credits.
Prerequisite, Physics 54. *Concurrent 7. MR. SMITH
6. ALTERNATING CURRENT THEORY. Second semester. 6 credits.
Prerequisite, 5. *Concurrent 8. MR. SMITH
7. DIRECT CURRENT LABORATORY. First semester. 4 credits.
*Concurrent 5. MR. SMITH
8. ALTERNATING CURRENT LABORATORY. Second semester.
4 credits. *Concurrent 6. MR. SMITH
9. ADVANCED DIRECT CURRENT CIRCUITS. Summer Session.
2 credits.
Four hours per week. *Concurrent 10. Prerequisite 5. MR. SMITH
10. ADVANCED DIRECT CURRENT LABORATORY. Summer Session.
2 credits.
Eight hours per week. *Concurrent 9. MR. SMITH
11. ADVANCED ELECTRICITY AND MAGNETISM. First semester.
5 credits.
Prerequisite, 6. *Concurrent 13. MR. WALTHER
12. ADVANCED ALTERNATING CURRENT CIRCUITS AND EQUIPMENT.
Second semester. 5 credits.
Prerequisite 11. MR. WALTHER
13. ELECTRICAL MEASUREMENTS LABORATORY. First semester.
6 credits.
Prerequisite, 6. MR. WALTHER AND MR. SMITH
14. ADVANCED ALTERNATING CURRENT LABORATORY. Second
semester. 2 credits.
Prerequisite, 11. MR. WALTHER

*Courses marked "concurrent" must be taken together.

20. ADVANCED ALTERNATING CURRENT CIRCUITS AND EQUIPMENT.
Summer Session. 5 credits.

Ten hours per week. Continuation of 12. *Concurrent 22.

MR. WALTHER

22. ADVANCED ALTERNATING CURRENT LABORATORY. Summer
Session. 4 credits.

Sixteen hours per week. Continuation of 14. *Concurrent 20.

MR. WALTHER

28. ADVANCED ALTERNATING CURRENT CIRCUITS AND EQUIPMENT.
First semester. 5 credits.

Continuation of 20. *Concurrent 61.

MR. WALTHER

31-32e. INDUSTRIAL ELECTRICITY. 3 credits full-time basis each
semester.

MR. WALTHER

33-34e. INDUSTRIAL ELECTRICITY LABORATORY. 1½ credits, full-
time basis, each semester.

MR. WALTHER

41. ELECTRIC POWER TRANSMISSION. Second semester. 3 credits.
Prerequisite, 28. *Concurrent 62.

MR. WALTHER

45. RADIO COMMUNICATION. Second semester. 4 credits.

Prerequisite, 12.

MR. SMITH

51-52e. THEORY AND DEMONSTRATION OF RADIO EQUIPMENT.
First and second semesters.

Two hours per week. No college credit.

MR. SMITH

61-62. SPECIAL ELECTRICAL PROBLEMS. 6 credits first semester;
4 credits second semester.

*Concurrent 28 or 41.

MR. WALTHER

MECHANICAL ENGINEERING

(Co-operative Basis after Freshman Year)

FRESHMAN YEAR

(See General Outline of Engineering Courses for Freshmen on preceding pages.)

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Science and Tactics	1	Military Science and Tactics	1
Mathematics 54	4	Mathematics 55	4
Physics 53	5	Physics 54	5
Descriptive Geometry, M.E. 8	5	Elementary Power Plants, M.E. 21	5
Public Speaking 91	2	Public Speaking 92	2
English Literature 85	2	English Literature 86	2
Bench Work M.E. 49	1	Bench Work, M.E. 50	1
Engineering Problems, Co-ord. 31	2	Engineering Problems, Co-ord. 32	2

SUMMER SESSION

	Cr. Hrs.
Machine Drawing, M.E. 14	4
Mechanical Engineering Laboratory, M.E. 24	2
Inspection Trips, Co-ordination 72	1
Elective	3

*Courses marked "concurrent" must be taken together.

PRE-JUNIOR YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Mathematics 56	4	Mathematics 57	4
Chemistry 31	6	Chemistry 32	6
Physics 55	5	Strength of Materials, C.E. 16	6
Mechanism, M.E. 31	5	Materials Laboratory, C.E. 18	3
Engineering Problems, Co-ord. 41	2	Engineering Problems, Co-ord. 42	2

SUMMER SESSION

	Cr. Hrs.
Physics 56	5
Steam Power Plants, M.E. 44	2
Machine Design, M.E. 54	2
Inspection Trips, Co-ordination 73	1

JUNIOR YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Metallurgy 33	6	Mechanism Drawing, M.E. 32	2
D. C. Theory, E.E. 5	6	A. C. Theory, E.E. 6	6
D. C. Laboratory, E.E. 7	4	A. C. Laboratory, E.E. 8	4
Economics, A. 23	5	Economics, A. 24	5
Engineering Problems, Co-ord. 55	2	Machine Design, M.E. 55	5
		Engineering Problems, Co-ord. 56	2

SUMMER SESSION

	Cr. Hrs.
Machine Design, M.E. 56	5
Mechanical Engineering Laboratory, M.E. 61	4
Inspection Trips, Co-ordination 74	1

SENIOR YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Heating and Ventilating, M.E. 71	4	Hydraulics, M.E. 75	5
Thermodynamics, M.E. 32	5	Special Mech. Engr. Probs., M.E. 88	5
Industrial Engineering, I.E. 2	6	Gas and Oil Engines, M.E. 38	5
Steam Power Plants, M.E. 45	5	Accounting C. 28	6
Mechanical Engineering Lab., M.E. 62	2	Engineering Probs., Co-ord. 66	2
Engineering Probs., Co-ord. 65	2		

The above courses comprise the subjects 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 total of 280 credit hours.

MECHANICAL ENGINEERING

PROFESSOR GRIFFIN, ASSISTANT PROFESSOR UPP, MR. WILSON.

3. ENGINEERING DRAWING. 2 credits, full-time basis, each semester.
MR. GRIFFIN AND MR. WILSON
4. ENGINEERING DRAWING. 4 credits, full-time basis, each semester.
MR. GRIFFIN AND MR. WILSON
8. DESCRIPTIVE GEOMETRY. First semester. 5 credits.
Prerequisites, 3 and 4. MR. WILSON
9. DESCRIPTIVE GEOMETRY. Second semester and Summer Session. 2 credits. Prerequisite, 8. MR. WILSON
14. MACHINE DRAWING. Summer Session. 4 credits.
Twenty hours per week. Prerequisites, 3 and 4. MR. WILSON
21. ELEMENTARY POWER PLANTS. Second semester. 5 credits.
Prerequisites, Mathematics 52 and Physics 52. MR. GRIFFIN
24. MECHANICAL ENGINEERING LABORATORY. Summer Session.
2 credits. Eight hours per week. MR. UPP
31. MECHANISM. First semester. 5 credits.
Prerequisite, Mathematics 54. MR. WILSON

32. MECHANISM DRAWING. Second semester. 2 credits.
Prerequisite, 31. MR. WILSON
38. GAS AND OIL ENGINES. Second semester. 5 credits.
Prerequisite, 82. MR. UPP
44. STEAM POWER PLANTS. Summer Session. 2 credits.
Four recitations per week. Prerequisite, 21. MR. UPP
45. STEAM POWER PLANTS. First semester. 5 credits.
Prerequisite, 44. MR. UPP
- 49-50. BENCH WORK. 1 credit each semester.
Exercises in chipping, filing, soldering, etc. Four hours of laboratory
work per week. MR. WALTHER
- 51-52. MACHINE SHOP PRACTICE. 1 credit each semester.
Exercises on various machine tools such as drill presses, lathes,
shapers and milling machines. Prerequisite, 49-50. Four hours of
laboratory work per week. MR. UPP
54. MACHINE DESIGN. Summer Session. 2 credits.
Four recitations per week. Prerequisite, C. E. 16. MR. WILSON
55. MACHINE DESIGN. Second semester. 5 credits.
Prerequisite, 54. MR. WILSON
56. MACHINE DESIGN. Summer Session. 5 credits.
Five recitations and twelve hours laboratory work per week.
Prerequisite, 55. MR. GRIFFIN
57. MACHINE DESIGN. Summer Session. 2 credits.
A special elective course designed to give the student an opportunity
to do additional work in the field of machine design. MR. GRIFFIN
61. MECHANICAL ENGINEERING LABORATORY. Summer Session.
4 credits.
Sixteen hours laboratory work per week. Prerequisite, 24. MR. UPP
62. MECHANICAL ENGINEERING LABORATORY. First semester.
2 credits. Prerequisite, 44. MR. UPP
71. HEATING AND VENTILATION. First semester. 4 credits.
Prerequisite, Physics 54. MR. GRIFFIN
75. HYDRAULICS. Second semester. 5 credits.
Prerequisite, Physics 55. MR. GRIFFIN

82. THERMODYNAMICS. First semester. 5 credits.
Prerequisites, Mathematics 57 and M. E. 44. MR. UPP
88. SPECIAL MECHANICAL ENGINEERING PROBLEMS. Second semester. 5 credits. Prerequisite, 82. MR. UPP
- 1-2e. ENGINEERING DRAWING. 3 credits each semester.
MR. WILSON
- 14e. MACHINE DRAWING. 3 credits. MR. GRIFFIN AND MR. UPP
- 8e. DESCRIPTIVE GEOMETRY. 3 credits. MR. WILSON

INDUSTRIAL ENGINEERING
(Co-operative Basis after Freshman Year)

FRESHMAN YEAR

(See General Outline of Engineering Courses for Freshmen on preceding pages.)

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Science and Tactics.....	1	Military Science and Tactics.....	1
Mathematics 54.....	4	Mathematics 55.....	4
Physics 53.....	5	Physics 54.....	5
Descriptive Geometry, M.E. 8.....	5	Elementary Power Plants, M.E. 21.....	5
Public Speaking 91.....	2	Public Speaking 92.....	2
English Literature 85.....	2	English Literature 86.....	2
Bench Work, M.E. 49.....	1	Bench Work, M.E. 50.....	1
Engineering Problems, Co-ord. 31.....	2	Engineering Problems, Co-ord. 32.....	2

SUMMER SESSION

	Cr. Hrs.
Machine Drawing, M.E. 14.....	5
Mechanical Engineering Laboratory, M.E. 24.....	2
Business Law, C. 17.....	3
Inspection Trips, Co-ordination 72.....	1

PRE-JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Chemistry 31.....	6	Chemistry 32.....	6
Mathematics 56.....	4	Mathematics 57.....	4
Industrial Engineering, I.E. 2.....	6	Production Methods, I.E. 1.....	6
Physics 55.....	5	Strength of Materials, C.E. 16.....	6
Engineering Problems, Co-ord. 41.....	2	Engineering Problems, Co-ord. 42.....	2

SUMMER SESSION

	Cr. Hrs.
Physics 56.....	5
Steam Power Plants, M.E. 44.....	2
Machine Design, M.E. 54.....	2
Inspection Trips, Co-ordination 73.....	1

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
D. C. Theory, E.E. 5.....	6	A. C. Theory, E.E. 6.....	6
D. C. Laboratory, E.E. 7.....	4	A. C. Laboratory, E.E. 8.....	4
Mechanism, M.E. 31.....	5	Mechanism Drawing, M.E. 32.....	2
Economics, A. 23.....	5	Economics, A. 24.....	5
Engineering Problems, Co-ord. 57.....	2	Personnel Relations, I.E. 4.....	3
		Machine Design, M.E. 55.....	5

SUMMER SESSION

	Cr. Hrs.
Machine Design, M.E. 56.....	5
Business Law, C. 18.....	3
Inspection Trips, Co-ordination 74.....	1

SENIOR YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Industrial Management Problems, I.E. 5	3	Production Methods, I.E. 3	3
Elements of Structural Design, C.E. 3	6	Accounting, C. 28	6
Heating and Ventilating, M.E. 71	4	Economic Geography, C. 14	3
Psychology, A. 1	3	Psychology, A. 2	3
Human Engineering, I.E. 6	3	Bacteriology, A. 80	3
Engineering Problems, Co-ord. 58	2	Materials Laboratory, C.E. 18	3
		Seminar, I.E. 7	2

The above courses comprise the subjects required for the Degree of Bachelor of Industrial Engineering. In no case, however, will a degree be awarded until the student has passed, with necessary quality points, a total of 280 credit hours. Electives in other divisions of the University are allowed.

INDUSTRIAL ENGINEERING

PROFESSOR ADENDORFF

1. PRODUCTION METHODS. Second semester. 6 credits.
2. INDUSTRIAL ENGINEERING. First semester. 6 credits.
3. PRODUCTION METHODS. Second semester. 3 credits.
4. PERSONNEL RELATIONS. Second semester. 3 credits.
- 5de. INDUSTRIAL MANAGEMENT PROBLEMS. First semester. 3 credits.
6. HUMAN ENGINEERING. First semester. 3 credits.
7. INDUSTRIAL ENGINEERING SEMINAR. Second semester. 2 credits.
11. HUMAN RELATIONSHIP. Both semesters. 1 credit, full-time basis.

Practical problems in handling human relationships in industry confronting the worker, the foreman, and the executive with such basic motives as loyalty, tact, initiative, judgment, persistence, personality, leadership, mental attitude, etc.

GENERAL COURSES FOR ENGINEERING STUDENTS

BIOLOGY

ASSISTANT PROFESSOR FOX

80. BACTERIOLOGY AND SANITATION. Second semester. 3 credits.

CHEMISTRY

ASSISTANT PROFESSOR SCHAEFER

31. ENGINEERING CHEMISTRY. First semester. 6 credits.
32. ENGINEERING CHEMISTRY. Second semester. 6 credits.
33. METALLURGY OF IRON AND STEEL. First semester. 6 credits.

CO-ORDINATION

Courses 31-33, inclusive, are home study courses. During each working period, engineering students are given weekly assignments consisting of practical problems in their particular fields.

- 1-2. ORIENTATION. 1 credit, full-time basis, each semester.

MR. GILMOUR

- 31-32. MATHEMATICS AND PHYSICS PROBLEMS. 2 credits each semester.
Prerequisites, Mathematics 52-53, and Physics 52-53. MR. GILMOUR
- 41-42. SELECTED READINGS. 2 credits each semester. MISS RAW
- 51-52. ENGINEERING PROBLEMS. 2 credits each semester.
Review of work given in C. E. 16 and C. E. 26. Prerequisites, Mathematics 56, Physics 54, and C. E. 16. MR. BULGER
- 53-54. ELECTRICAL ENGINEERING PROBLEMS. 2 credits each semester. Prerequisite, E. E. 5. MR. WALTHER
- 55-56. MECHANICAL ENGINEERING PROBLEMS. 2 credits each semester.
Prerequisites, M. E. 21; M. E. 31. MR. UPP
- 57-58. INDUSTRIAL ENGINEERING PROBLEMS. 2 credits each semester. MR. ADENDORFF
- 61-64. ADVANCED CIVIL ENGINEERING PROBLEMS. 2 credits each semester. MR. DURST
- 65-66. ADVANCED MECHANICAL ENGINEERING PROBLEMS. 2 credits each semester. MR. UPP
- 67-68. ADVANCED ELECTRICAL ENGINEERING PROBLEMS. 2 credits each semester. MR. WALTHER
- 71-72-73-74. INSPECTION TRIPS. Summer Session. 1 credit.
MR. DURST, MR. GRIFFIN, MR. WALTHER

ECONOMICS

ASSOCIATE PROFESSOR ANTHONY

- A.23-24. ECONOMICS FOR ENGINEERS. 5 co-operative credits each semester.

ENGLISH

ASSISTANT PROFESSOR RAW

- 80-81. ENGLISH COMPOSITION. 3 credits, full-time basis, each semester.
- 83-84. ENGLISH LITERATURE. Summer Session. 3 credits each term. Prerequisite, 81.
- 85-86. ENGLISH LITERATURE. 2 credits each semester.
Prerequisite, 81.
87. ENGLISH COMPOSITION. Second semester. 3 credits.
Prerequisite, 81.

MATHEMATICS

PROFESSOR JONES

51. TRIGONOMETRY. First semester. 4 credits, full-time basis.
MR. DURST, MR. GILMOUR, MR. GRIFFIN

52. ALGEBRA. Second semester. 2 credits, full-time basis.
MR. DURST, MR. GILMOUR, MR. GRIFFIN
53. ANALYTICAL GEOMETRY. Second semester. 2 credits, full-time basis.
Prerequisites, Trigonometry 51, Algebra 52.
MR. DURST, MR. GILMOUR
54. DIFFERENTIAL CALCULUS. First semester. 4 credits.
Prerequisite, Analytical Geometry 53. MR. AYER
55. INTEGRAL CALCULUS. Second semester. 4 credits.
Prerequisite, Differential Calculus, 54. MR. AYER
- 56-57. INTEGRAL CALCULUS. 4 credits each semester.
Prerequisite, Integral Calculus 55. MR. JONES
59. SPHERICAL TRIGONOMETRY. Second semester. 1 credit.
This course includes the development of important formulas leading to the solution of spherical triangles, and applications to navigation and astronomy. Prerequisite, Trigonometry 51. MR. JONES

MILITARY SCIENCE AND TACTICS See page 31

MUSIC See page 34

PHYSICAL EDUCATION See page 35

PHYSICS

PROFESSOR HOUSEHOLDER, ASSISTANT PROFESSOR FOUTS, DR. GRAY

51-52. FRESHMAN PHYSICS. Mechanics. 4 credits, full-time basis, each semester.

Two recitations and four hours laboratory work per week. This course is identical with Physics 3-4. MR. HOUSEHOLDER AND MR. GRAY

53-54. SOPHOMORE PHYSICS. Heat, Magnetism, Electricity. 5 credits each semester, co-operative basis.

Three recitations and four hours laboratory work per week. Prerequisites: Physics 51-52, and Mathematics 51-52. MR. FOUTS

55. JUNIOR PHYSICS. Applied mechanics. First semester. 6 credits, co-operative basis.

Four recitations and four hours laboratory work per week. Prerequisites: Physics 53-54 and Calculus. MR. FOUTS

56. JUNIOR PHYSICS. Wave motion and light. Summer Session. 5 credits.

Prerequisites: Physics 53-54 and Calculus.
Arrangements can be made to substitute Physics 8 for this course.

MR. HOUSEHOLDER

SPEECH

PROFESSOR HAYWORTH

91-92. PUBLIC SPEAKING. 2 credits each semester.

COMMERCE

BUSINESS ADMINISTRATION

The Department of Commerce offers professional training to young men and women who plan to enter the fields of industry, trade, or transportation. The course in Business Administration aims to develop and apply those general fundamentals of economics and administration which are common to all businesses. 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 inspection trips, field problems, and lectures on business, the student is kept in touch with the actual developments in these various departments of commerce.

Completion of the Business Administration course requires four years of academic work and eighteen weeks, or the equivalent, of supervised employment. During his course of training the student will spend nine weeks following the freshman or sophomore year in industrial work and a second period of nine weeks, following the junior year, in the field of his specialty. For example, those choosing accounting for a major will be employed at accounting work. During each of these work periods the student will be guided and instructed by his instructors and at the conclusion of each period will submit reports covering his experiences. Students may select their own employment in so far as it meets the approval of the department staff. All earnings from the work will, of course, go to the student.

GRADUATION AND DEGREE

Candidates for graduation must present 128 credit hours with the required number of quality points. All students are also required to submit two experience reports, covering their business employment, and a senior thesis upon some specially assigned subject or business problem which will be developed in the seminar course which each senior takes in the field of his major interest.

The degree of Bachelor of Science in Business Administration will be granted to those students who satisfactorily complete the prescribed course in Business Administration.

REQUIREMENTS OF THE BUSINESS ADMINISTRATION COURSE

FRESHMAN YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Rhetoric, A. 1.....	3	Rhetoric, A. 2.....	3
*Accounting, C. 21.....	4	*Accounting, C. 22.....	4
Business Administration, C. 61 or Economic History, A. 4.....	3	Economic History, A. 4 or Business Administration C. 61.....	3
Problems of Citizenship, A. 1 or Com- mercial Geography C. 14.....	4	Commercial Geography, C. 14 or Prob- lems of Citizenship A. 2.....	3
Military Science and Tactics.....	1	Military Science and Tactics.....	1
Physical Education.....	1	Physical Education.....	1
		Typewriting, S. 39.....	2

*If Foreign Language is desired, it should be taken at this point in place of Accounting. Twelve credit hours of language must be taken to procure credit.

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Economics, A. 1.....	3	Economics, A. 2.....	3
*Mathematics or Science.....	3 or 4	*Mathematics or Science.....	3 or 4
Salesmanship, C. 83.....	3	Money and Banking, A. 10.....	3
Business Law, C. 17.....	3	Business Law, C. 18.....	3
**Social Science (Psychology or Sociology)	3	**Social Science (Psychology or Sociology)	3
Military Science and Tactics.....	1	Military Science and Tactics.....	1

*Finance Majors should elect Mathematics.

**Accounting Majors should take accounting in place of social science at this point and take social science in the Junior year.

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Marketing, C. 81.....	3	*Business Management, C. 162 or Ad- vertising, C. 92.....	3
Statistics, C. 157.....	4	Literature.....	3
Literature.....	3	Business Correspondence, S. 13.....	3
Business Finance, C. 171.....	3	Government and Business, A. 20.....	3
Electives.....	3	Electives.....	3

*Majors in Management and Accounting should take Business Management. Majors in Finance and Marketing should elect Advertising. Majors in General Business must take Business Management and Advertising.

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Electives.....	15 or 16	Business Policy, C. 168.....	3
		Seminar in Major.....	2
		Electives.....	10 or 11

Electives consist of three classes: Electives in the Major, Commerce Electives, and General Electives. Electives in the Major, amounting to 14 credit hours, including Seminar, are to be elected by the student from one of the various Majors. Commerce electives, amounting to 6 credit hours, may be selected from any of the major fields or any advanced course given within the department. General electives, amounting to 10 credit hours, may be elected by the students in any department within the University, provided such electives would be acceptable in the Liberal Arts College toward a degree.

OPTIONAL MAJORS IN COMMERCE

In order to enable students to elect advanced and intensive courses in one of the major fields of Commerce, several Optional Majors in Commerce have been outlined.

These majors are planned to give the students working knowledge in some special branch for which there exists a demand for men with intensive and professionalized training. It is not the aim of the University to finish students in these lines of endeavor, but rather to prepare them with a wide general and thorough knowledge of these fields upon which they can surmount actual experience and further study at first-hand in the school of actual business.

Five fields of specialization are available to the students in Commerce, namely, Accounting, Finance, General Business, Management, and Marketing and Advertising. At the beginning of the Junior year, after each student has had two years' work mainly in the cultural, factual, and elementary business administration courses, he will be requested to elect a field of specialization. The election of a major at the commencement of the Junior year enables the student to direct his energies more effectively during that year and to begin intensive work in his chosen field.

The courses required for or creditable toward each major are outlined. Each student will select 14 hours of credit, including two credit hours for Seminar, from one of the listed majors:

ACCOUNTING MAJOR

Courses	Credit Hours	Prerequisites
*Accounting 22	3	Accounting, C. 23
*Cost Accounting, C. 133	3	Accounting, C. 22
Advanced Cost Accounting, C. 134	3	Cost Accounting, C. 133
Auditing, C. 135	3	Accounting, C. 32
Advanced Accounting, C. 136	3	Accounting, C. 32
Specialized Accounting Problems, C. 137 and C. 138	6	Advanced Accounting, C. 136
Income Tax, C. 139	3	Consent of Instructor
Accounting Systems, C. 141e	3	Consent of Instructor
Accounting Seminar, C. 146	2	

FINANCE MAJOR

Courses	Credit Hours	Prerequisites
*Analytical Accounting 25	3	Accounting 22
Security Market, C. 174	3	Economics, A. 2
*Investments, C. 172	3	{ Money and Banking, A. 10
Public Finance	3	{ Business Finance, C. 171
Insurance	3	{ Business Finance, C. 171
Banking Practice	3	{ Economics, A. 2
Problems in Finance, C. 178	3	{ Money and Banking, A. 10
Finance Seminar, C. 180	2	{ Money and Banking, A. 10
		{ Business Finance, C. 171

ADVERTISING AND MARKETING MAJOR

Courses	Credit Hours	Prerequisites
*Advertising, C. 92	3	
*Sales Administration, C. 184	3	Marketing, C. 81
Retailing, C. 186	2	Marketing, C. 81
Advertising Campaigns, C. 184	3	Advertising, C. 92
Market Analysis, C. 188	3	Marketing, C. 81
Commercial Art, T. 11-12	4	
Marketing Seminar, C. 198	2	

MANAGEMENT MAJOR

Courses	Credit Hours	Prerequisites
*Cost Accounting, C. 133-134	6	9 hours of Accounting
*Sales Administration, C. 184	3	Marketing, C. 81
Purchasing, C. 95	2	Business Administration, C. 61
Production Methods, I.E. 4	1½	Business Administration, C. 61
Personnel Management, C. 164	3	Business Administration, C. 61
Industrial Management Problems, E.E. 7	1½	Production Methods, I.E. 4
Management Seminar, C. 170	2	

GENERAL BUSINESS MAJOR

Courses	Credit Hours	Prerequisites
*Advertising, C. 92	3	
Cost Accounting, C. 133	3	9 hours Accounting
Purchasing, C. 95	2	Economics, A. 2
Problems in Finance, C. 178	3	Business Finance, C. 171
*Sales Administration, C. 186	3	Marketing, C. 81
Personnel Management, C. 164	3	Business Administration, C. 61
Transportation, C. 158	3	Economics, A. 2
General Business Seminar, C. 142	2	

*Required in the particular major.

***COMMERCE**

PROFESSOR LEIGH, ASSISTANT PROFESSOR MCKEE

MR. VAN METRE, MR. RUESCH, MR. HAMPEL, MR. OSTROFF

Special Lectures: E. J. Thomas, Assistant Factory Manager, Goodyear Tire and Rubber Company; R. R. Gross, Works Manager, Firestone Tire and Rubber Company; H. H. Hollinger, Comptroller, Firestone Tire and Rubber Company; J. P. Woodlock, Specialized Sales Department, The B. F. Goodrich Company.

1. PLANT TRIPS. Either semester. 1 credit. MR. VAN METRE

3. INDUSTRIAL STUDIES. Summer Session. No credit.

4. JUNIOR INDUSTRIAL STUDIES. Summer Session. No credit.

5. BUSINESS LAW. First semester. 3 credits.

Designed particularly for Secretarial Science students, covering the principles of contracts, negotiable instruments, suretyships, sales, agencies, and property. MR. HAMPEL

7-8. SECRETARIAL ACCOUNTING. 3 credits each semester.

Elementary principles of accounting, designed particularly for Secretarial Science students. Principles of debits and credits, the use of books of account, and the profit and loss statement.

MR. HAMPEL

14de. ECONOMIC GEOGRAPHY. Either semester. 3 credits.

Not open to freshmen.

MR. VAN METRE

17-18de. BUSINESS LAW. 3 credits each semester.

Open to Commerce sophomores and to others with the consent of the instructor.

MR. HAMPEL AND MR. POWERS

18. BUSINESS PSYCHOLOGY. Second semester. 3 credits.

Application of the principles of psychology to the business activities of selling, advertising, and management. Analysis of sensations, perception, attention, feeling and emotion, and suggestion will be made accompanied by case application of these factors to every day business. MR. HAYES

21-22de. ACCOUNTING. 4 credits each semester.

Required of all Commerce sophomores. MR. MCKEE AND MR. RUESCH

*23de. ANALYTICAL ACCOUNTING. First semester. 3 credits.

Prerequisite, 22.

MR. RUESCH

28. ACCOUNTING. Second semester. 6 co-operative credits.

For advanced engineering students.

MR. RUESCH

32de. INTERMEDIATE ACCOUNTING. Second semester. 3 credits.

Prerequisite, 22.

MR. MCKEE AND MR. RUESCH

133de. COST ACCOUNTING. First semester. 3 credits.

Prerequisite, 32.

MR. MCKEE

An asterisk () preceding the course number indicates that the course is given only when the demand warrants.

134e. **ADVANCED COST ACCOUNTING.** Second semester. 3 credits.
Prerequisite, 133. MR. MCKEE

135de. **AUDITING.** First semester. 3 credits. MR. MCKEE

136e. **ADVANCED ACCOUNTING.** Second semester. 3 credits.
A problem course dealing with consolidations, investments, fixed assets, estate accounting, foreign exchange, goodwill, and insurance.
Prerequisite, 32. Open to Accounting Majors and by permission of the instructor. MR. RUESCH

*137-138e. **SPECIALIZED ACCOUNTING PROBLEMS.** 3 credits each semester.

A specialized problem course simplifying the work in Auditing (135) and Advanced Accounting (136e). Problems deal with actuarial science, estates, farms, municipalities, public utilities, banks, building and loans, real estate, and other special fields of accounting.
Prerequisite, 136. Open to Accounting Majors and by permission of the instructor. MR. MCKEE AND MR. RUESCH

*139e. **INCOME TAX.** 3 credits.
Prerequisite, 32. Given in alternate years. MR. MCKEE

*141e. **ACCOUNTING SYSTEMS.** 3 credits.
Prerequisite, 136. MR. MCKEE

146. **ACCOUNTING SEMINAR.** A year course. 2 credits. MR. MCKEE

150. **GENERAL BUSINESS SEMINAR.** A year course. 2 credits.
MR. LEIGH

153. **TRANSPORTATION.** First semester. 3 credits.
Prerequisite, Principles of Economics 2. MR. VAN METRE

154. **FOREIGN TRADE.** Second semester. 3 credit hours.
Trade in stable commodities; the trade position of the leading nations and balance of trade; broader consideration of intentions of trade trends. MR. VAN METRE

*155. **RISK BEARING AND INSURANCE.** 3 credit hours.
Prerequisites, Principles of Economics 2 and Money and Banking A. 10.

157. **STATISTICS.** Each semester. Four credits.
Prerequisites, Principles of Economics. MR. HAMPEL

*158. **ADVANCED STATISTICS.** 3 credit hours. MR. HAMPEL

61de. **BUSINESS ADMINISTRATION.** First semester. 3 credits.
Required of all Commerce sophomores. MR. LEIGH

162de. **BUSINESS MANAGEMENT.** Second semester. 3 credits.
Prerequisite, Business Administration 61. MR. LEIGH

*164. **PERSONNEL MANAGEMENT.** 3 credits.
Prerequisite, Business Administration 61.

An asterisk () preceding the course number indicates that the course is given only when the demand warrants.

168. BUSINESS POLICY. Second semester. 3 credits.
Required of all Commerce seniors. MR. LEIGH
170. MANAGEMENT SEMINAR. A year course. 2 credits.
MR. LEIGH
171. BUSINESS FINANCE. First semester. 3 credits.
Prerequisite, Money and Banking A. 10. MR. VAN METRE
- *172. INVESTMENTS. Second semester. 3 credit hours.
The underlying theory of investments is presented, followed by an analysis of various types of investments and investment securities. This course stresses wise investment of capital rather than get-rich-quick investment methods. MR. VAN METRE
174. SECURITY MARKETS. Second semester. 3 credits.
Prerequisite, 171. MR. VAN METRE
- *176. THE FEDERAL RESERVE SYSTEM AND MONEY POLICIES.
3 credits.
Prerequisite, Money and Banking, A.10. MR. VAN METRE
178. PROBLEMS IN FINANCE. Second semester. 3 credits.
Prerequisite, 171. MR. VAN METRE
180. FINANCE SEMINAR. A year course. 2 credits. MR. VAN METRE
181. MARKETING. First semester. 3 credits.
Open to juniors and pre-juniors. Prerequisite, Economics A.2.
MR. LEIGH
- 83de. SALESMANSHIP. Second semester. 3 credits in day and 2
credits in evening session.
Organization and presentation of sales appeals for the selling of products, service, or ideas. Required of all Commerce students.
MR. LEIGH
184. SALES ADMINISTRATION. Second semester. 3 credits.
Prerequisite, Business Administration 181. MR. LEIGH
186. RETAILING. Second semester. 2 credits. MR. LEIGH
- 188de. MARKET ANALYSIS. Second semester. 3 credits.
The method technique of making market, merchandise, distribution, and advertising researches. Problem approach. Prerequisite, 184. Given in alternate years. MR. LEIGH
- 190de. PROBLEMS IN SALES MANAGEMENT. Second semester.
3 credits. Prerequisite, 184. Given in alternate years.
MR. LEIGH
92. PRINCIPLES OF ADVERTISING. Second semester. 3 credits.
Open to pre-juniors and juniors. MR. LEIGH
194. ADVERTISING CAMPAIGN. Second semester. 3 credits.
Prerequisite, 92.
- *95e. PURCHASING. 2 credits.
198. ADVERTISING AND MARKETING SEMINAR. Both semesters.
2 credits.

An asterisk () preceding the course number indicates that the course is given only when the demand warrants.

GENERAL COURSES FOR COMMERCE STUDENTS

Commerce students are required to take Economics 1-2, Money and Banking A. 3, and the courses in Political Science listed hereafter. Additional courses in Economics may be elected from those described.

ART

MISS CABLE, MR. FRENCH

T.11-12de. COMMERCIAL ART. 2 credits each semester.

ECONOMICS

ASSOCIATE PROFESSOR ANTHONY, ASSISTANT PROFESSOR O'HARA

A.1-2. PRINCIPLES OF ECONOMICS. 3 credits each semester.
Required of all Commerce students.

A.3. MONEY AND BANKING. Either semester. 3 credits.
Prerequisite, Economics 1.

A.4. ECONOMIC HISTORY. Each semester. 3 credits.

A.101. ECONOMIC THEORY. First semester. 3 credits.

A.8. PUBLIC FINANCE. First semester. 3 credits.
Prerequisites, Economics 2.

MATHEMATICS

ASSISTANT PROFESSOR SELBY

58. MATHEMATICS OF FINANCE. Second semester. 3 credits.
Prerequisite, College Algebra, A.1.

MILITARY SCIENCE AND TACTICS See page 31

MUSIC See page 34

PHYSICAL EDUCATION See page 35

POLITICAL SCIENCE

PROFESSOR CRECRAFT, ASSISTANT PROFESSOR SHERMAN, MR. KING

A.1. PROBLEMS OF CITIZENSHIP. Either semester. 4 credits.

A.2. AMERICAN GOVERNMENT. Either semester. 3 credits.

A.20. GOVERNMENT AND BUSINESS. Second semester. 3 credits.
Open to juniors.

SECRETARIAL SCIENCE

Two courses of study are offered in Secretarial Science, a four-year course leading to the degree B.S. in Secretarial Science, and a two-year course for the completion of which a certificate is granted.

The four-year curriculum is designed for those who wish to prepare themselves for the higher grade secretarial and office positions without spending more than four years beyond the high school in preparation. In recognition of the fact that a broad background is invaluable in the upper levels of business, one-half the course is required in academic subjects which provide an introduction to the most important fields of human knowledge and furnish the student with the most essential elements of a standard college education. The required technical subjects provide the needed gateway into the business world, so that at graduation the student is prepared to enter his chosen field. The elective subjects which complete the course may be adapted to the needs of each individual, but must be chosen so that, in addition to the required major in Secretarial Science, there will be a minor of at least eighteen hours, including Freshman courses, in one field or in two related fields.

A minimum of 128 semester hours with a quality point ratio of at least 1, and the passing of a comprehensive examination are required for graduation. The passing of a comprehensive examination is also required for promotion to junior standing.

The two-year curriculum is designed for those with a capacity for something higher than mere routine stenographic or clerical work, but who prefer not to spend more than two years on the college level in preparation. Technical subjects naturally constitute a larger proportionate part of this curriculum than of the four-year. A minimum of 64 semester hours with a quality point ratio of at least 1, and a quality point ratio of at least 1 in the major field are required for the certificate.

Those who have had shorthand and typewriting before entrance will begin these courses in college at such point as their degree of proficiency permits, and approved electives, preferably academic subjects, will be taken in place of the shorthand and typewriting omitted in the college course.

Credit for college work in either shorthand or typewriting is indicated by the following table:

High School Credits	Course Entered in College	Credit Given
1 year	Second semester	Full credit
	First semester	No credit
2 years	Second year	Full credit
	First year	No credit

Men enrolled in the four-year course must meet the requirements of the Reserve Officers Training Corps.

Those who enter with advanced standing may be excused from Problems of Citizenship or Human Biology, for which more advanced courses will be substituted.

It is recommended that practical experience be secured during the summer vacations, if possible. Through the offices of the Dean of Men and the Dean of Women, students are frequently able to obtain suitable positions. During the college year a limited number of student assistantships are available in the administrative offices of the University. Those who do part-time work should lighten their schedules accordingly.

Men who enter with advanced standing may, with the consent of the Dean, be excused from Secretarial Theory and from the advanced course in Shorthand and Typewriting.

All work given is of standard college grade. The University of Akron, through the Secretarial Science Department, is a member of the National Association of Commercial Teacher Training Institutions.

For information on Military Science and Tactics, Music, and Physical Education see pages 31, 34, and 35 respectively.

OUTLINE OF TWO-YEAR CERTIFICATE COURSE

FIRST YEAR			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Shorthand, S. 21	3	Shorthand, S. 22	3
Typewriting, S. 31	2	Typewriting, S. 32	2
Office Methods, S. 5	3	Human Biology	4
Rhetoric, A. 1	3	Rhetoric, A. 2	3
Problems of Citizenship, A. 1	4	American Government, A. 2	3
Physical Education	1	Physical Education	1
SECOND YEAR			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Shorthand, S. 23	3	Shorthand, S. 24	3
Typewriting, S. 33	2	Typewriting, S. 34	2
Secretarial Theory, S. 7	2	Secretarial Theory, S. 8	2
Economics, A. 1	3	Economics, A. 2	3
Accounting, C. 7	3	Accounting, C. 8	3
*Business Law, C. 5	3	Business Correspondence, S. 13	3

*Students who have had Commercial Law in high school will take an appropriate elective instead.

OUTLINE OF FOUR-YEAR DEGREE COURSE

GENERAL REQUIREMENTS

Academic		Non-Academic	
	Cr. Hrs.		Cr. Hrs.
English (Rhetoric 6, Literature 6).....	12	Office Methods, S. 5.....	3
Laboratory Science.....	8	Secretarial Theory, S. 7-8.....	4
Human Biology.....	4	Business Correspondence, S. 13.....	3
Problems of Citizenship.....	4	Office Management, S. 10.....	2
Mathematics (College Algebra).....	4	Shorthand.....	12
Economics.....	6	Typewriting.....	8
History.....	6	Shorthand and Typewriting.....	8
Political Science.....	6	Accounting, C. 7-8.....	6
Psychology or Sociology.....	6	Business Law, C. 5.....	3
Academic Electives.....	8	Physical Education.....	2
		Electives approved for the B.S. Degree	13
Minimum Academic.....	64	Minimum Non-Academic.....	64

SUGGESTIVE OUTLINE BY YEARS

FIRST YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Shorthand, S. 21.....	3	Shorthand, S. 22.....	3
Typewriting, S. 31.....	2	Typewriting, S. 32.....	2
Rhetoric, A. 1.....	3	Rhetoric, A. 2.....	3
Algebra, A. 1.....	4	Office Methods, S. 5.....	3
Human Biology.....	4	Problems of Citizenship, A. 1.....	4
Physical Education.....	1	Physical Education.....	1

SECOND YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Shorthand, S. 23.....	3	Shorthand, S. 24.....	3
Typewriting, S. 33.....	2	Typewriting, S. 34.....	2
Economics, A. 1.....	3	Economics, A. 2.....	3
Laboratory Science.....	4	Laboratory Science.....	4
Secretarial Theory, S. 7.....	2	Secretarial Theory, S. 8.....	2
Business Law, C. 5.....	3	Business Correspondence, S. 13.....	3

THIRD YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Accounting, C. 7.....	3	Accounting, C. 8.....	3
History.....	3	History.....	3
Political Science.....	3	Political Science.....	3
Sociology or Psychology.....	3	Sociology or Psychology.....	3
Electives.....	4	Electives.....	4

FOURTH YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Shorthand and Typewriting, S. 25.....	4	Shorthand and Typewriting, S. 26.....	4
Office Management, S. 10.....	2	Literature.....	3
Literature.....	3	Electives.....	8
Electives.....	6		

SECRETARIAL SCIENCE

ASSOCIATE PROFESSOR DOUTT, MISS FLINT, MISS TENNEY,
MRS. SELF, MISS KLAHRE, MISS COHEN, MRS. LEISY

5. OFFICE METHODS. Either semester. 3 credits. MISS TENNEY
- 7-8. SECRETARIAL THEORY. 2 credits each semester.
Open to Upperclassmen. MISS TENNEY
10. OFFICE MANAGEMENT. First semester. 2 credits.
Open to Juniors and Seniors only. MR. DOUTT
- 11e. BUSINESS ENGLISH. Either semester. 2 credits. MISS COHEN

- 18de. BUSINESS CORRESPONDENCE. Either semester. 3 credits.
Prerequisite, Rhetoric, 2. MISS KLAHRE
- 21-22de. SHORTHAND. 3 credits each semester. MISS FLINT
- 23-24de. SHORTHAND. 3 credits each semester.
Prerequisite, Shorthand 22 or equivalent. MISS FLINT
- 25-26de. SHORTHAND AND TYPEWRITING. 4 credits each semester.
Prerequisite, Shorthand 24 and Typewriting 34. MISS FLINT
- 31-32de. TYPEWRITING. 2 credits each semester. MISS TENNEY
- 33-34. TYPEWRITING. 2 credits each semester.
Prerequisite, Typewriting 32. MISS TENNEY
39. TYPEWRITING. Either semester. 2 credits.
Open to engineering and commerce students with credit, and to all
other students without credit. MISS FLINT
71. METHODS OF TEACHING COMMERCIAL SUBJECTS. 2 credits.
MISS FLINT

THE TEACHERS COLLEGE

HOWARD R. EVANS, PH. D., *Dean*

GENERAL INFORMATION

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.

The University of Akron is so organized that students in any college may take courses in other colleges. This enables the Teachers College to use the facilities of the whole University in the preparation of teachers. The Teachers College has for its first major purpose the professional preparation of teachers, but a broad and liberal education, strong and pleasing personality and high character are equally essential for good teaching. All of the facilities of the University will be used for strengthening the academic and personal fitness of those desiring to teach.

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 excellence in 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 and Saturday courses are offered. These courses are designed to strengthen the academic preparation, to improve professional mastery and serve to inspire and lead teachers to a higher vision 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 training courses, and research on these problems by the Teachers College will bring suggestions for new forms of training and for various modifications of school work.

ENTRANCE REQUIREMENTS

The following supplements the statement of general entrance requirements made on introductory pages.

The requirement for unconditional entrance is 15 units.

The specific requirements for entrance to Teachers College are as follows:

English	3 units
Mathematics (Algebra I, Plane Geometry I)	2 units
Foreign Language	2 units
History	1 unit
Science	1 unit

The mathematics requirement is $1\frac{1}{2}$ units of Algebra for Vocational and Industrial Arts Courses.

Foreign language is not required for Commercial, Vocational Education, or Industrial Arts Education Courses.

Deficiencies in foreign language must be removed before the student is eligible to junior rank.

COURSES OF STUDY AND DEGREES

Teachers College prepares teachers for all departments of the public school system. It is accredited by the State Department of Education for the preparation of teachers in all high school subjects, kindergarten-primary and elementary grades and in the special fields of Music, Art, Physical Education, Industrial Arts, Vocational Education, Commerce and Home Economics.

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

Graduate courses are open to any student who holds a Bachelor's degree from an accredited institution and has the necessary background for advanced study. The Master's degree is granted upon the completion of one full year (32 semester hours) of study.

The Teachers College offers graduate courses leading to the following degrees: Master of Education (to candidates holding the B. E. degree), Master of Arts in Education (to candidates holding the A. B. degree) and Master of Science in Education (to candidates holding the B. S. degree or the B. S. in Education degree).

A more complete description of the requirements for graduate degrees will be found on page 107.

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) margin of scholarship covering a broader and more comprehensive understanding of the fields employed in number one; (3) mastery of professional concepts, facts and abilities which are taught in courses such as Psychology, History and Principles of Education, Observation and Methods; (4) the use of oral and written English.

This examination is to be taken at the close of the junior year and is given in May each year. This examination serves in the Teachers College 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.

STUDENT TEACHING

The student teaching in all courses is done in the public schools under the supervision of training teachers. Each student must teach for a semester under regular assignment. Under such supervision the student teacher really becomes an apprentice in teaching.

In addition to the qualifying examination a student, in order to be eligible to engage in student teaching, must have at least a quality point ratio of 1.5 in his major field and at least a quality point ratio of 1. in all subjects taken.

REQUIREMENTS FOR DEGREES

BASIC REQUIREMENTS

(Beginning with the class graduating in June, 1934)

The following subjects, known as the Basic Requirements, are required for all courses and degrees:

	Cr. Hrs.
English, (Rhetoric, 6; Literature, 6)	12
Speech	3
Problems of Citizenship	4
Human Biology	4
Laboratory Science (Botany, Chemistry, Physics, General Foods, Geology, or Zoology)	8
History, Economics, or Political Science	6
Sociology	3
Physical Education (Gym, 2; School Health, 2; Personal Hygiene 2)	6
R. O. T. C. (men)	4
General Psychology	3
Educational Psychology	3
Principles of Teaching	3
History of Education	3
Administration	2
Observation	3
Student Teaching	6

Total..... Men, 73; Women, 69

Students will select the particular fields of specialization for their electives sufficient to make a total of 128 hours.

REQUIREMENTS FOR COURSES LEADING TO THE B. E. DEGREE

All courses leading to the B. E. degree must include the Basic Requirements (69 or 73 credits) and the subjects outlined in one of the following curricula.

KINDERGARTEN-PRIMARY COURSE

The Kindergarten-Primary course prepares for kindergarten and first grade teaching. Students must pass a special music test during the first year.

Requirements for degree, beginning with the class graduating in June, 1934: 128 credits, including Basic Requirements (69 or 73 credits) and the following major. Basic Requirements and electives must include a total of 18 credits in each of two fields, one of them English, the other preferably biological or social science.

MAJOR

	Cr. Hrs.
Kindergarten-Primary Methods	6
Kindergarten Rhythms	2
Story Telling	6
Children's Literature	3
Play Materials	2
Child Care	3
Child Psychology	2
Art 1, 6, and 15	6
Music (Kindergarten-Primary Music, Sight Singing)	6

PRIMARY-ELEMENTARY COURSE

The Primary-Elementary course prepares for teaching in the first three grades of the elementary school.

Requirements for degree, beginning with the class graduating in June, 1934: 128 credits, including Basic Requirements (69 or 73 credits) and the following major. Basic Requirements and electives must include a total of 18 credits in each of two fields, one of them English, the other preferably biological or social science.

MAJOR

	Cr. Hrs.
Primary Methods	6
Reading: Content and Method	3
Story Telling	6
Children's Literature	3
Play Materials	2
Child Psychology	2
Art 1, 6 and 15	6
Music (Sight Singing. Kindergarten-Primary Music)	6

COURSE FOR ELEMENTARY TEACHERS

Students will select the particular grades for which they wish to train, and specialize in these grades.

Requirements for degree beginning with the class graduating in June, 1934: 128 credits, including Basic Requirements (69 or 73 credits), and the following:

	Cr. Hrs.
Story Telling	3
Children's Literature	3
Art 1, 6, and 15	6
Public School Music (Sight Singing and Methods)	6
Geography	6
Tests and Measurements	2
Reading: Content and Method	2
Arithmetic: Content and Method	2
Two of the following:	4
History: Content and Method	2
Language: Content and Method	2
Science: Content and Method	2

COURSES FOR PLATOON, DEPARTMENTAL, OR INTERMEDIATE SCHOOLS

Students desiring to teach in the Platoon, Departmental, or Intermediate Schools are required to specialize in particular fields.

Requirements for degree beginning with the class graduating in June, 1934: 128 credits, including 18 hours in each field exclusive of freshman subjects; and the following:

	Cr. Hrs.
Test and Measurements	2
Educational Sociology	3
The Junior High School	2
Psychology of Adolescence	2
Child Psychology	2
Guidance	2
Methods	8
Art 1	2
Public School Music	3

THE UNIVERSITY OF AKRON

ART COURSE

Requirements for degree: 128 credits, including Basic Requirements (69 or 73 credits), and 42 credits in Art (including Methods of Teaching Art, 2 credits).

COMMERCIAL COURSE

Two curricula are open to those wishing to teach commercial subjects: one leading to the B.E. degree and a special state certificate; the other to the degree B.S. in Education with a high school certificate.

MAJOR IN COMMERCIAL SUBJECTS

In addition to the Basic Requirements (69 or 73 credits), and Methods of Teaching Commercial Subjects (2 credits), the B.E. curriculum includes the following major of 42 credits, which will be reduced in proportion to the commercial credits presented for entrance from high school.

	Cr. Hrs
Shorthand.....	12
Typewriting.....	8
Business Correspondence.....	3
Office Methods.....	3
Business Law.....	4
Accounting.....	6
Economic Geography.....	3
Economic History.....	3
Total.....	42

HOME ECONOMICS COURSE

Requirements for degree; 128 credits, including Basic Requirements (69 credits), Methods of Teaching Home Economics (2 credits), and 36 credits in Home Economics selected with the approval of the department adviser.

COURSE IN HEALTH AND PHYSICAL EDUCATION

Requirements for degree: 128 credits, including Basic Requirements (69 or 73 credits), and 42 additional credits in Health and Physical Education.

Work in Health and Physical Education should be distributed to the various semesters approximately as follows:

FIRST YEAR			
First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs
Theory and Practice of Phys. Ed. 1....	1	Theory and Practice of Phys. Ed. 2....	1
Theory and Practice of Phys. Ed. 11....	1	Theory and Practice of Phys. Ed. 12....	1
History and Prin. of Phys. Ed. 21....	2	Personal Hygiene 20.....	2
Theory and Practice of Phys. Ed. 15....	1	Theory and Practice of Phys. Ed. 9....	1
		(Men.)	
SECOND YEAR			
First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs
Anatomy 28.....	3	Physiology 29.....	3
Theory and Practice of Phys. Ed. 3....	1	Theory and Practice of Phys. Ed. 4....	1
Theory and Practice of Phys. Ed. 13....	1	Theory and Practice of Phys. Ed. 14....	1
Theory and Practice of Phys. Ed. 16....	1	Methods of Phys. Ed. 25.....	2
THIRD YEAR			
First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
School Health 18.....	2	School Health 19.....	2
Theory and Practice of Phys. Ed. 5....	1	Theory and Practice of Phys. Ed. 6....	1
Theory and Practice of Phys. Ed. 7....	2	Theory and Practice of Phys. Ed. 8....	2
Org. and Admin. of Phys. Ed. 22....	2	Org. and Admin. of Phys. Ed. 23....	2
Individual Corrective Gym 17.....	1	Normal Diagnosis 30.....	1
Kinesiology 24.....	2		
FOURTH YEAR			
			Cr. Hrs.
Student Teaching.....			6
School Administration.....			2
Electives			

MUSIC COURSE

The special music course is designed to prepare students to teach music in the public schools from the primary grades through the high school or to supervise other teachers in teaching their own pupils. The course requires a total of 59 hours in addition to the basic requirements. Students who do not wish to qualify for all grades and high school music teaching may elect music as a major or a minor.

To enter this course, students must pass two entrance examinations: one in fourth grade piano, violin, organ, or other instrument; and one in elementary sight singing. These examinations are given during Freshman Week of the first semester.

All voice students are required to attend and participate in Glee Club practice and activities. All students of violin and other string instruments are required to attend and participate in Orchestra rehearsals and activities. The same applies to the Band for those students who play brass and wood wind instruments.

PIXLEY SCHOLARSHIPS

Scholarships may be awarded to students who show promise. See page 34.

FIRST YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Rhetoric	3	Rhetoric	3
Human Biology or Prob. of Citizenship	4	Human Biology or Prob. of Citizenship	4
General Psychology	3	History of Education	3
Physical Training	1	Physical Training	1
R. O. T. C. (men)	1	R. O. T. C. (men)	1
Elementary Harmony	2	Elementary Harmony	2
Instruments or Voice	2	Instruments or Voice	2
Glee Club Orchestra or Band	1	Glee Club, Orchestra, or Band	1
	16 or 17		16 or 17

SECOND YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Advanced Harmony	2	Advanced Harmony	2
History and Appreciation	3	History and Appreciation	3
Sight Singing	2	Sight Singing	2
Instruments or Voice	2	Instruments or Voice	2
Glee Club, Orchestra or Band	1	Glee Club, Orchestra or Band	1
Physical Training	1	Physical Training	1
R. O. T. C. (men)	1	R. O. T. C. (men)	1
Laboratory Science	4	Laboratory Science	4
	15 or 16		15 or 16

THIRD YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Public School Mus. Meth.	2	Public School Mus. Meth.	2
Counterpoint	2	Counterpoint	2
Instruments or Voice	2	Instruments or Voice	2
Glee Club, Orchestra, or Band	1	Glee Club, Orchestra, or Band	1
Educational Psychology	3	Form and Analysis	3
Speech	3	Principles of Education	3
History or Literature	3	History or Literature	3
	16		16

FOURTH YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Conducting	1	Orchestration	5
Organiza. of Pub. Sch. Mus.	2	*Piano or Voice	2
Music Composition	2	Administration	2
*Piano or Voice	2	Student Teaching	6
Sociology	3	History or Literature	3
History or Literature	3		
Observation	3		
	16		16
School Health	2		

(This course may be taken any semester after the first year.)

*In the fourth year students majoring in Instruments will take Voice, and those majoring in Voice will take Piano, 2 credits each semester.

VOCATIONAL EDUCATION COURSES

These courses lead to the B.E. 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 Basic Requirements (69 or 73 credits); those wishing only the certificate need include but 2 credits in Observation and Practice Teaching instead of the 9 credits required for the degree.

	Cr. Hrs.
Industrial Relations	2
Industrial Drawing	6
Organization of Instruction Material	4
Free-Hand Drawing	2
Trade Major	24
Educational and Vocational Guidance	2
Philosophy of the General Continuation School	2
*Organization and Administration of Vocational Education	2
History and Philosophy of Vocational Education	2
Methods of Teaching Occupational Subjects	2
Educational and Industrial Coordination	2
Psychology Applied to Occupational Teaching	2

Women may elect, in addition to their trade major, twenty-two credits in the department of Home Economics instead of the subjects listed above.

INDUSTRIAL ARTS COURSES

Requirements for degree: 128 credits, including Basic Requirements (69 or 73 credits) and the following subjects:

	Cr. Hrs.
Design	4
Drawing	8
Major	24
Guidance	2
*Organization and Administration of Industrial Arts	2
History and Philosophy	2
Curriculum Construction	2
Problems in Industrial Arts	2
Organization of Instructional Material	2
Evaluating Subject Material	2
Shop Management	4
Methods of Teaching Industrial Arts	2

Women may elect their majors from the Industrial Arts Division of Home Economics.

REQUIREMENTS FOR THE B. S. DEGREE IN EDUCATION

Students planning to prepare for high school teaching should complete the requirements for the B. S. degree in Education. The basic requirements for this degree are the same as for all others. In addition to the basic requirements a student must elect a major of 24 hours and two minors of 18 hours each from the academic fields or one major of at least 30 hours and one minor of 18 hours from the academic fields.

Majors or minors for high school teaching may be elected from the special fields such as Music, Art, Home Economics, Physical Education and Commerce, as well as the regular academic subjects.

Students planning to teach in the high schools of the city of Akron are advised to complete a program totaling 139 semester hours.

Consult Dr. Kuhnes or the Dean of the Teachers College for further details.

*A substitute for the course in Administration in the Basic Requirements.

STATE REQUIREMENTS

SCHEDULE OF PROFESSIONAL COURSES REQUIRED FOR PROVISIONAL CERTIFICATES

Subjects	Semester Hours		
	H. S. 2 or 3	Elem. 2 or 3	Spec. 2 or 3
Educational Psychology (Prerequisite; a course in General Psychology)			
Principles of Teaching (6 observations)	2 or 3	2 or 3	2 or 3
Administration, Organization, Management (6 observations)	2 or 3	2 or 3	2 or 3
Methods (8 observations)	2	6	2 to 4
Electives (chosen from the list below) enough when added to the courses above to total	14	14	14
History of Education	2 or 3		
Introduction to Teaching	2 or 3		
Tests and Measurements	2 or 3		
Educational Sociology	2 or 3		
Ohio School Law	2 or 3		
Any other educational subject	2 or 3		
Student Teaching (Number of hours determined by the attainment and proficiency of the student)	3 to 5	3 to 5	3 to 5
Public School Music		3	
Physical Education		2	
Art		2	
Total professional requirements	17 to 19	24 to 26	17 to 19

Majors and minors with the high school prerequisites may be determined as follows:

ACADEMIC SUBJECTS

Major: 18 semester hours. Minor: 10 semester hours. Credit in any subject listed may be counted in the group to which it belongs.

Subjects Included:	High School Prerequisites:
English	Public Speaking, Literature (high school: Rhetoric, Classics) 3 units
History	Political Science, Civics 2 units
Social Science	Economics, Sociology, Ethics, Philosophy, Logic 1 unit
Biological Science: Biology, Zoology, Botany, Physiology, Agriculture (high school: General Science)	1 unit
Physical Science: Physics, Chemistry (high school: General Science)	2 units
Earth Science: Geology, Geography, Physiography (high school: General Science)	1 unit
Mathematics	Algebra, Geometry, Trigonometry, Astronomy, Statistics, etc. 2 units
French—German—Spanish—Greek	2 units
Latin	4 units

Note: Methods courses in any of these subjects may be counted in computing majors and minors. Five semester hours of collegiate credit in any subject may be offered in lieu of each unit of the high school prerequisite in that subject.

A five-year program is offered during which a student may complete the requirements for a Bachelor's and a Master's degree and satisfy the requirements for a certificate. Sufficient graduate work to obtain a Master's degree is not easily available in all departments; therefore, students planning to complete the five-year program are advised to consult the Dean.

GRADUATE COURSES, 1933-34

The Teachers College offers graduate courses leading to the following degrees: Master of Education (to candidates holding the B. E. degree), Master of Arts in Education (to candidates holding the A. B. degree), and Master of Science in Education (to candidates holding the B. S. degree).

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 and use of the techniques of teaching, research, administration or supervision, 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 completed all the requirements for a Bachelor's degree from a college of recognized standing. The Committee on Graduate Study reserves the right to require any applicant for graduate work to prove that he has a satisfactory background and ability for such work by taking and passing such examination or examinations as the committee may prescribe.

Requirements for the Master's degree may be satisfied by (1) 32 semester hours of graduate work without a thesis or (2) 26 semester hours of graduate credit with an approved thesis. A major field of 20 hours is required and a minor field of 12. The thesis will be counted as a part of the major.

Graduate work which has been done at other institutions may be accepted if the student has completed a Bachelor's degree at the University of Akron, but in no case to the extent of more than 10 hours. No work done more than five years previous to the date of granting the degree will be accepted in fulfilling the semester hour requirement.

All students will be required to pass a final written comprehensive examination in his major and minor fields. Reading lists which serve as a basis for preparation for this examination will be furnished upon request.

No credit will be given graduate students for work done in courses regularly recognized as Freshman or Sophomore courses, (numbers under 100). Work done in courses ordinarily considered Senior, (100 to 199) will receive full credit. Graduate courses are numbered above 200. No credit will be given in courses below 200 unless a distinctly high grade, (at least "B"), of work is done and additional work in excess of that expected of the class is done under the guidance of the instructor. Not more than six credit hours of work obtained in under-graduate courses may be presented for the degree.

Not later than a semester previous to the period at which the work for the degree will presumably be finished, the student must file with the Dean of Graduate Work a notice of his intention to apply for the degree.

Two copies of the thesis, bound in accordance with University requirements, must be presented to the Dean of Graduate Work before the Commencement at which the candidate hopes to receive his degree. One of these shall be placed in the library, the other reserved for the department in which the thesis was written.

A graduation fee of \$10.00 must be paid by the candidate before the degree is conferred.

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STUDENT ADVISERS

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

Kindergarten-Primary }.....	MISS KEMLER
Elementary }.....	
High School.....	DR. KUHNES
Art.....	MRS. BARNHARDT
Home Economics.....	MISS MAXWELL
Commercial Subjects.....	MR. DOUTT
Music.....	{ MR. ENDE
	{ MISS RIDER
Industrial and Vocational Education.....	MR. GREENLY
Physical Education.....	MR. SEFTON

SUBJECTS OF INSTRUCTION

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

ART

ASSISTANT PROFESSOR BARNHARDT, MISS CABLE

- *1de. STRUCTURAL ART. Either semester. 2 credits.
A study of the basic principles of Art: design, color, composition.
- *2. DESIGN. Second semester. 2 credits. Prerequisite, 1. Fee, \$1.00.
- *3de. ADVANCED DESIGN. First semester. 2 credits.
Prerequisite, 2. Fee, \$1.00.
- 4de. CRAFTS. Second semester. 2 credits.
Application of design to textiles by different processes. Prerequisite, 3. Fee, \$1.00.
5. CRAFTS. First semester. 2 credits.
Application of special designs to industrial problems. Prerequisite, 3. Fee, \$1.00.
- 6de. FREE SKETCH. Second semester. 2 credits. Fee, \$1.00.
- 7de. ETCHING AND WOODBLOCK ILLUSTRATION. First semester.
2 credits. Prerequisite, 6. Fee, \$1.00.
8. METHODS IN TEACHING ART. Either semester. 2 credits.
Prerequisite, completion of the required course for Art teachers.
- 9de. CLAY MODELING. First semester. 2 credits.
Prerequisite, 2 and 6. Fee, \$1.00.
- 10de. MODELING. Second semester. 2 credits.
Work in clay, plaster and wood. Prerequisite, 9. Fee, \$1.00.
- *111de. COSTUME DESIGN. First semester. 2 credits.
Prerequisite, 2.
- *112de. STAGE COSTUME. Second semester. 2 credits.
Prerequisite, 11.
- *113de. HOUSE PLANNING. First semester. 2 credits.
Prerequisite, 2.
- 114de. HOUSE DECORATION. Second semester. Prerequisite, 13.
- 15de. ELEMENTARY ART. First semester. 2 credits.
A study of children's special interests and abilities. The correlation of Art with other studies in the curriculum. Prerequisite, 1.
16. MARIONETTES. Second semester. 2 credits.
Prerequisite, 11. 1933-34 and alternate years.
17. STILL LIFE. First semester. 2 credits.
Prerequisite, 6. Fee, \$1.00.

18. **ADVANCED STILL LIFE.** Second semester. 2 credits.
Prerequisite, 17. Fee, \$1.00.
- 19de. **POSE.** First semester. 2 credits.
Prerequisite, 18. Fee, \$2.50.
- 20de. **ADVANCED POSE.** Second semester. 2 credits.
Prerequisite, 19. Fee, \$2.50.
- 21de. **ILLUSTRATION.** First semester. 2 credits.
Prerequisite, 20. Fee, \$1.00.
- 22de. **ADVANCED ILLUSTRATION.** Second semester. 2 credits.
Prerequisite, 21. Fee, \$1.00.
- 23de. **COMMERCIAL ART.** First semester. 2 credits.
Prerequisite, 2 and 6.
- 24de. **ADVANCED COMMERCIAL ART.** Second semester. 2 credits.
Prerequisite, 23.
- *125de. **HISTORY OF ART.** First semester. 2 credits.
European painting, sculpture and architecture from the earliest time to the Italian Renaissance.
- *126de. **HISTORY OF ART.** Second semester. 2 credits.
European and American painting, sculpture and architecture from the Renaissance to the present time.

EDUCATION

DEAN EVANS, PROFESSOR KUHNES, ASSOCIATE PROFESSOR DOUTT,
MISS KEMLER AND MR. SNYDER

- *3de. **HISTORY OF EDUCATION.** Either semester. 3 credits.
MR. DOUTT
5. **EDUCATIONAL TESTS AND MEASUREMENTS.** First semester.
2 credits.
Fee, \$2.00. MR. DOUTT
- *7de. **EDUCATIONAL SOCIOLOGY.** Either semester. 3 credits.
MR. SNYDER
- *9de. **PRINCIPLES OF EDUCATION.** Either semester. 3 credits.
Fee, \$1.00. Not open to students below junior rank. MR. KUHNES
11. **STORY TELLING.** First semester. 3 credits. MISS KEMLER
12. **STORY TELLING.** Second semester. 3 credits. MISS KEMLER
- 13e. **HIGH SCHOOL METHODS.** Either semester. 2 credits.
Not open to students below junior rank. MR. SNYDER
- 15de. **HIGH SCHOOL MANAGEMENT AND ADMINISTRATION.** Either semester. 2 credits.
Accompanies Student Teaching. MR. KUHNES

16. **ELEMENTARY SCHOOL MANAGEMENT AND ADMINISTRATION.**
 Either semester. 2 credits.
 Accompanies Student Teaching. MR. EVANS
- 17de. **PRIMARY SCHOOL MANAGEMENT AND ADMINISTRATION.**
 Either semester. 2 credits.
 Accompanies Student Teaching. MISS KEMLER
20. **TECHNIQUE OF CURRICULUM CONSTRUCTION.** Second semester.
 2 credits. Prerequisite, 7 or 9. MR. SNYDER
23. **OBSERVATION AND PARTICIPATION.** Either semester. 3 credits.
 Not open to students below junior rank.
 MISS KEMLER, MR. SNYDER, MR. KUHNES
24. **STUDENT TEACHING.** Either semester. 6 credits.
 Seniors only. MR. KUHNES, MISS KEMLER, MR. SNYDER
118. **THE JUNIOR HIGH SCHOOL.** 2 credits.
 1933-34 and alternate years. MR. EVANS
31. **PRIMARY METHODS.** First semester. 3 credits.
 Not open to students below junior rank. MISS KEMLER
32. **PRIMARY METHODS.** Second semester. 3 credits.
 Not open to students below junior rank. MISS KEMLER
- 33de. **SCIENCE: CONTENT AND METHOD.** First semester. 2 credits.
 MR. SNYDER
35. **READING: CONTENT AND METHOD.** First semester. 3 credits.
 MISS KEMLER
- 36de. **ARITHMETIC: CONTENT AND METHOD.** Second semester.
 2 credits. MISS KEMLER
37. **LANGUAGE: CONTENT AND METHOD.** First semester.
 2 credits. MISS KEMLER
- 38de. **HISTORY: CONTENT AND METHOD.** Second semester.
 2 credits. MR. SNYDER
- 40de. **CHILDREN'S LITERATURE.** Second semester. 3 credits.
 MISS KEMLER

GRADUATE COURSES IN EDUCATION

DEAN EVANS, PROFESSOR KUHNES

Prerequisite to graduate courses in Education: At least 12 hours of undergraduate work in Education or the equivalent.

- *211e. **EDUCATIONAL STATISTICS.** First semester. 2 credits.
 MR. EVANS
212. **EDUCATIONAL TESTS AND MEASUREMENTS FOR SECONDARY SCHOOLS.** Second semester. 2 credits.
 Fee, \$2.00. 1933-34 and alternate years. Prerequisite, Education 211 and 5 or Psychology 216.
 MR. EVANS

220. SECONDARY SCHOOL ADMINISTRATION. Second semester.
2 credits. MR. EVANS
- 221e. PUBLIC SCHOOL ADMINISTRATION. First semester. 2 credits.
MR. EVANS
- 222e. SUPERVISION OF INSTRUCTION. Second semester. 2 credits.
MR. EVANS
- 223e. EDUCATIONAL PHILOSOPHY. First semester. 2 credits.
MR. KUHNES
- 224e. HISTORY OF THE PHILOSOPHY OF EDUCATION. Second
semester. 2 credits.
Prerequisite, Educational Philosophy. MR. KUHNES
301. GREAT TEACHERS. First semester. 2 credits. MR. KUHNES
- 321e. MODERN TENDENCIES IN EDUCATION. First semester.
2 credits. MR. KUHNES
- 322e. COMPARATIVE EDUCATION. Second semester. 2 credits.
MR. KUHNES
- 325e. PRINCIPLES AND TECHNIQUE OF RESEARCH AND INVESTI-
GATION. First semester. 2 credits. MR. EVANS
326. 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 dean, and whose problem is approved, may receive
credit. Fee, \$5.00 per credit hour.
- 327ds. SEMINAR AND CURRICULUM. Second semester. 2 credits.
MR. EVANS

GEOGRAPHY

MR. SNYDER

- 1de. PRINCIPLES OF GEOGRAPHY. First semester. 3 credits.
- 3de. GEOGRAPHY OF NORTH AMERICA. First semester. 3 credits.
- 4de. GEOGRAPHY OF SOUTH AMERICA. Second semester. 2 credits.
- 6de. GEOGRAPHY OF EUROPE. Second semester. 3 credits.

HOME ECONOMICS

PROFESSOR MAXWELL, MISS LATHROP AND MISS COUNTS

For courses offered in Home Economics see under Home Eco-
nomics in College of Liberal Arts, page 56.

INDUSTRIAL ARTS EDUCATION

MR. MOORE

- 1-2. WOODWORKING. 3 credits each semester.
 9-10. METAL WORKING. 3 credits each semester.
 17-18. PRINTING. 3 credits each semester.
 19. ELECTRICAL SHOP. First semester. 4 credits.
 21. FIELD PROJECT. First semester. 4 credits.
 23-24. ORGANIZING INSTRUCTION MATERIAL FOR INDUSTRIAL ARTS
 TEACHING. 2 credits each semester.

KINDERGARTEN-PRIMARY EDUCATION

MISS KEMLER

26. PLAY MATERIALS. First semester. 2 credits.
 Fee, \$1.00. 1934-35 and alternate years. MISS KEMLER
 27-28e. KINDERGARTEN-PRIMARY METHODS. 3 credits each
 semester.
 Not open to students below junior rank. MISS KEMLER

MILITARY SCIENCE AND TACTICS See page 31

MUSIC

ASSISTANT PROFESSOR ENDE, MR. CAMPBELL, MR. DELEONE,
 MR. GARLINGHOUSE, MR. LEBO, MISS RIDER, MR. STEIN

GLEE CLUB, ORCHESTRA, BAND

- MEN'S GLEE CLUB. 1 credit each semester. MR. GARLINGHOUSE
 WOMEN'S GLEE CLUB. 1 credit each semester. MR. GARLINGHOUSE
 ORCHESTRA. 1 credit each semester. MR. ENDE
 BAND. 1 credit each semester. MR. LEBO

SCHOLARSHIPS IN MUSIC See pages 34, 64

THEORY COURSE

ASSISTANT PROFESSOR ENDE, MISS RIDER

First Year

1. GENERAL THEORY. 1 credit.
 A general introductory course required of all students taking
 applied music or the theory of music. MR. ENDE

*3-4de. **ELEMENTARY HARMONY.** 2 credits each semester.
Prerequisite, the ability to play hymns. MR. ENDE

Second Year

*5-6de. **ADVANCED HARMONY.** 2 credits each semester.
Prerequisite, 4. MR. ENDE

Third Year

7-8. **COUNTERPOINT.** 2 credits each semester.
Prerequisite, 6. MR. ENDE

9. **FORM AND ANALYSIS.** Second semester. 3 credits.
Prerequisite, 6. MR. ENDE

Fourth Year

11. **MUSIC COMPOSITION.** First semester. 2 credits.
Prerequisite, 1 to 9, inclusive. MR. ENDE

12. **ORCHESTRATION.** Second semester. 3 credits.
Prerequisite, 4 and 6. MR. ENDE

13. **CONDUCTING.** First semester. 1 credit. MR. ENDE

15. **BRASS AND WOOD-WIND INSTRUMENTS (BAND).** First semester.
1 credit. MR. LEBO

GRADUATE COURSES IN MUSIC

200. **ROMANTIC COMPOSERS.** First semester. 2 credits.
A study of Schubert, von Weber, Mendelssohn, Schumann, Chopin,
Berlioz, Liszt and Wagner. Extracts, readings and reports with
critical examination of scores. Prerequisite, 35-36de. MR. ENDE

201. **MODERN COMPOSERS.** Second semester. 2 credits.
A study of Brahms and Franck followed by twentieth century
composers and trends in music. Extracts, readings and reports
with critical examination of scores. Prerequisite, 35-36de. MR. ENDE

PUBLIC SCHOOL MUSIC

ASSISTANT PROFESSOR ENDE, MISS RIDER

17-18. **KINDERGARTEN-PRIMARY MUSIC.** 2 credits each semester.
Prerequisite, 32. Beginning with 1933-34 this course includes what
was formerly covered by the course in Kindergarten Rhythms.
MISS RIDER

19-20e. **PUBLIC SCHOOL MUSIC.** 1 credit each semester.
Prerequisite, 32. MISS RIDER

21-22de. **PUBLIC SCHOOL MUSIC METHODS.** 2 credits each semester.
Prerequisite, one year of Theory, and 32. For those majoring in
Public School Music. MISS RIDER

31-32de. SIGHT SINGING AND EAR TRAINING. 2 credits each semester.

Taken for credit by students in Elementary Education. Music majors who need to take this course must take it without credit.

MISS RIDER

33-34. SECOND YEAR SIGHT SINGING AND EAR TRAINING. 2 credits each semester. Prerequisite, 4 and 32. MISS RIDER

*35-36. HISTORY AND APPRECIATION OF MUSIC. 3 credits each semester. MR. ENDE

37. ORGANIZATION IN PUBLIC SCHOOL MUSIC. First semester. 2 credits. Prerequisite, 22. MISS RIDER

All students who have completed courses in applied music may be required to participate in a recital or appear before a committee selected for the purpose of judging the attainment of such students.

PIANO

MR. DELEONE

First Year

1-2. PIANO. 2 credits each semester.

Second Year

3-4. PIANO. 2 credits each semester.

Third Year

5-6. PIANO. 2 credits each semester.

Fourth Year

7-8. PIANO. 2 credits each semester.

ORGAN

ASSISTANT PROFESSOR ENDE

First Year

1-2. ORGAN. 2 credits each semester.

Second Year

3-4. ORGAN. 2 credits each semester.

Third Year

5-6. ORGAN. 2 credits each semester.

Fourth Year

7-8. ORGAN. 2 credits each semester.

VOICE

MR. STEIN

First Year

1-2. VOICE. 2 credits each semester.

Second Year

3-4. VOICE. 2 credits each semester.

Third Year

5-6. VOICE. 2 credits each semester.

Fourth Year

7-8. VOICE. 2 credits each semester.

VIOLIN

MR. CAMPBELL

First Year

1-2. VIOLIN. 2 credits each semester.

Second Year

3-4. VIOLIN. 2 credits each semester.

Third Year

5-6. VIOLIN. 2 credits each semester.

Fourth Year

7-8. VIOLIN. 2 credits each semester.

PRIVATE LESSONS

See page 64

PHYSICAL EDUCATION

PROFESSOR SEFTON, ASSISTANT PROFESSORS BLAIR AND SMITH,
MISS DUNCKLEY

1-2. THEORY AND PRACTICE OF PHYSICAL EDUCATION. 1 credit
each semester.

Instruction and Practice for the first four grades in the elementary
school. Includes both outdoor and indoor work.

MISS DUNCKLEY, MR. SEFTON

3-4. THEORY AND PRACTICE OF PHYSICAL EDUCATION. 1 credit
each semester.

For the last four grades of the elementary school. Includes both
outdoor and indoor work.

MISS DUNCKLEY, MR. SEFTON

5-6. THEORY AND PRACTICE OF PHYSICAL EDUCATION. 1 credit
each semester.

Tumbling, balancing, stunts, pyramids and group work. Apparatus
work.

MISS DUNCKLEY, MR. SMITH

7-8. THEORY AND PRACTICE OF PHYSICAL EDUCATION. 2 credits
each semester.

Athletics. MISS DUNCKLEY, MR. BLAIR

9. THEORY AND PRACTICE OF PHYSICAL EDUCATION. 1 credit.

Activities other than athletics: tennis, volley ball, soccer, hockey
and other games. MR. SEFTON

11-12. THEORY AND PRACTICE OF PHYSICAL EDUCATION. 1 credit
each semester.

Graded play and games from the kindergarten upward.

MISS DUNCKLEY

13-14. THEORY AND PRACTICE OF PHYSICAL EDUCATION. 1 credit each semester.

Dancing. First semester covers rhythmical work for the lower grades; second semester for the last four grades of elementary school.

MISS DUNCKLEY

15. THEORY AND PRACTICE OF PHYSICAL EDUCATION. First semester. 1 credit.

Swimming.

MISS DUNCKLEY, MR. SMITH

17. INDIVIDUAL CORRECTIVE GYMNASIUM. 1 credit.

Technique of examination, and demonstration of correct exercises for each divergency.

MR. SEFTON

18-19. SCHOOL HEALTH AND HEALTH PROBLEMS. 2 credits each semester.

MR. SMITH

20. PERSONAL HYGIENE. 2 credits. MISS DUNCKLEY, MR. SMITH

21. HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION. 2 credits.

MR. SEFTON

22-23. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. 2 credits each semester.

MR. SEFTON

24. KINESIOLOGY. 2 credits.

A study in modified form of the action of various muscles, bones, joints, and ligaments involved in physical exercise.

MR. SMITH

25. METHODS OF PHYSICAL EDUCATION. 2 credits. MISS DUNCKLEY

26-27. FIRST AID AND MASSAGE. 1 credit each semester.

MR. SMITH

28. ANATOMY. 3 credits.

MR. SMITH

29. PHYSIOLOGY. 3 credits.

MR. SMITH

30. NORMAL DIAGNOSIS. 1 credit.

Facts relating to normal conditions of the body and methods for recognition of abnormalities.

MR. SEFTON

PSYCHOLOGY

PROFESSOR HAYES, ASSOCIATE PROFESSOR WOOD

*1de. GENERAL PSYCHOLOGY. Either semester. 3 credits.

MR. HAYES

*3de. EDUCATIONAL PSYCHOLOGY. Either semester. 3 credits.

Prerequisite, 1. May be taken by Liberal Arts students as a free elective, but not as a group elective.

MR. WOOD

*5. CHILD PSYCHOLOGY. First semester. 2 credits.

Prerequisite, 3.

MR. HAYES

6e. PSYCHOLOGY OF THE EXCEPTIONAL CHILD. Second semester. 2 credits.

Prerequisite, 3. Not offered since 1931-32.

- *7ds. MENTAL HYGIENE. Second semester. 3 credits.
1933-34 and alternate years. MR. HAYES
11. EXPERIMENTAL PSYCHOLOGY. First semester. 1 credit.
Prerequisite, 3. MR. HAYES
12. EXPERIMENTAL PSYCHOLOGY. Second semester. 1 credit.
Prerequisite, 3. MR. HAYES
- Note: In 1932-33 courses 9, 10, 11, 12 were reorganized, and combined into a one-year course, the present 11 and 12. Courses 11-12 are of such nature as to prepare for more advanced work in the field, as well as to acquaint the student with the experimental information of the present day.
- *101. GENETIC PSYCHOLOGY. 2 credits. MR. HAYES
- *105e. PSYCHOLOGY OF ADOLESCENCE. First semester. 2 credits.
Prerequisite, 9 hours of Psychology. 1932-33 and alternate years.
MR. WOOD
- 114e. PSYCHOLOGY OF RELIGION. 2 credits. MR. WOOD

GRADUATE COURSES IN PSYCHOLOGY

PROFESSOR HAYES, ASSOCIATE PROFESSOR WOOD

202. PSYCHOLOGY OF SOCIAL RELATIONS. Second semester.
3 credits.
Prerequisite, 12 hours of Psychology. 1932-33 and alternate years.
MR. HAYES
203. ADVANCED EDUCATIONAL PSYCHOLOGY. Second semester.
2 credits.
Prerequisite, 12 hours of Psychology. 1933-34 and alternate years.
MR. WOOD
- 205e. ABNORMAL PSYCHOLOGY. First semester. 2 credits.
Prerequisite, 12 hours of Psychology. 1933-34 and alternate years.
MR. HAYES
210. PSYCHOLOGY OF SCHOOL SUBJECTS. Second semester.
2 credits.
Prerequisite, 12 hours of Psychology. 1932-33 and alternate years.
MR. WOOD
215. THE PSYCHOLOGY OF PERSONALITY. First semester. 2 credits.
Prerequisite, 12 hours of Psychology. 1932-33 and alternate years.
MR. WOOD
- 216es. MENTAL TESTING. 2 credits. MR. HAYES
- 307-8e. PSYCHOLOGICAL SYSTEMS. 2 credits each semester.
For graduates only. 1932-33 and alternate years. MR. HAYES

RESEARCH

326. 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 dean, and whose problem is approved, may receive credit. Fee, \$5.00 per credit hour.

VOCATIONAL EDUCATION
ASSISTANT PROFESSOR GREENLY

2. OCCUPATIONAL ANALYSIS. Second semester. 2 credits.
4. EDUCATIONAL AND VOCATIONAL GUIDANCE. Second semester.
2 credits.
- 15de. SHOP MANAGEMENT. First semester. 2 credits.
25. ORGANIZATION OF INSTRUCTION MATERIAL. First semester.
2 credits.
27. HISTORY AND PHILOSOPHY OF VOCATIONAL EDUCATION. First
semester. 2 credits.
29. METHODS OF TEACHING OCCUPATIONAL SUBJECTS. First
semester. 2 credits.
32. INDUSTRIAL AND EDUCATIONAL CO-ORDINATION. Second
semester. 2 credits.

EVENING AND SATURDAY COURSES

Further information concerning Evening and Saturday courses which are offered throughout the year may be secured from the Dean, or from the Director of the Evening Session.

THE EVENING SESSION

R. H. SCHMIDT, A.M., *Director*

ADMISSION REQUIREMENTS AND REGISTRATION

There are no formal examinations for admission, but students under 21 years of age must have completed a four-year high school course of study. If the student wishes to apply the credit gained toward a degree or diploma from the University of Akron, he must meet the requirements for admission as outlined for the college in which he is seeking the degree or diploma.

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 other college direct to the Registrar of the University of Akron.

Registration dates for 1934-35 are: First Semester—Friday and Saturday, September 21 and 22, 1934; Second Semester—Friday and Saturday, February 8 and 9, 1935. Registration is in Buchtel Hall. For late registration an additional fee of \$1.00 is charged.

AUDITORS

There is room in most classes for persons who want to audit work. 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 enrolment.

ACADEMIC CREDIT

The unit of credit is the semester hour which requires class meetings totaling 15 clock hours or more for lecture-discussion types of classes with additional time for laboratory classes.

Requirements for a degree are 128 credits, except in the co-operative courses of the College of Engineering and Commerce. Candidates for a degree are required to file an application with the Registrar by March 1 of the year in which they expect to graduate. In addition to the 128 credits required for the bachelor's degree the proper number of quality points must be earned. The student is expected to inform himself regarding the regulations printed in special pamphlet.

CONSULTATION

Members of the Evening Session faculty are glad to discuss problems with students at appointed times. The Director maintains office hours to consult with students concerning the selection of courses, evaluation of credits, and other school problems. Students are invited to make use of this opportunity by calling Blackstone 4124, and asking for the Evening Session office.

Programs leading to degrees should be carefully planned with the aid of the head of the department in which the major is taken. It is wise in such cases to obtain this advice previous to the registration period, although members of the faculty will be present on registration days to confer with those who come to register.

LOAD

For those holding full-time positions 6 credits in any semester are regarded as the maximum load that should be attempted.

ATTENDANCE

Students are expected to be present at all meetings of classes for which they are registered. Upon request the instructor may permit a student to make up work missed through unavoidable absence. When a student has been absent from class twice as many hours as the subject offers credit in each semester, he may be dropped from the class upon recommendation of his instructor. Recommendation of the instructor and approval of the Director are necessary for reinstatement.

Necessary withdrawals on account of serious illness or other causes entirely beyond the control of the student will be ruled upon as the individual cases arise, and copies of the rules and application blanks for adjustment of fees may be obtained at the Evening Session office.

The University reserves the right to cancel courses where the registration is insufficient to warrant their continuance, in which case the fees are refunded. It is usually possible for the student to transfer to some other course being given.

TEACHERS COLLEGE

Those who are working toward graduation in the Teachers College should consult with the following advisers concerning the curriculum requirements for the degree or diploma towards which they are working:

Kindergarten-Primary.....	MISS CLARA KEMLER
Primary-Elementary.....	MISS CLARA KEMLER
Elementary.....	MR. H. R. EVANS
High School.....	MR. E. L. KUHNES
Art.....	MRS. JANE S. BARNHARDT
Commercial Subjects.....	MR. H. M. DOUTT
Music.....	MISS GENEVIEVE RIDER
Industrial and Vocational Education.....	MR. RUSSELL J. GREENLY
Physical Education.....	MR. SEFTON

New students in the Teachers College are particularly urged to confer with the proper adviser before they have registered, in order that they may avoid an unfortunate duplication of courses, especially if they have attended another college. In this case a transcript from the other institution should be sent directly from the college last attended to the University Registrar, who is charged with the duty of evaluating such work toward the degree sought at the University of Akron. Certain of the courses in Teachers College are counted toward other degrees. Those desiring to count subjects in Teachers College toward other degrees should consult with the Dean or the Registrar.

FEEES

See general statement on pages 20-24.

STATE CERTIFICATE

Those who are attempting to meet the requirements for a state certificate for teaching in the elementary grades may obtain in the Evening Session office a list of the state requirements together with a statement of the courses which are being offered this year in the Evening Session and which will be acceptable in meeting the state requirements.

GRADING SYSTEM

Information concerning the grading system will be found in the general portion of the catalog.

STUDENT ACTIVITIES

THE EVENING SESSION STUDENTS ASSOCIATION is organized through the election of class representatives who, in turn, select the student Senate, composed of seven members. The Senate, thus selected, is the directing force of the Association, having in charge such things as the social events and other affairs incident to student self government.

THE HILLTOP EVENING STAR, the official organ of the Evening Session, is published by the members of the journalism classes and is distributed to all the Evening Session students.

THE EVENING THEATRE, which is open to all students of the Evening Session interested in dramatics, presents one or more major productions each year, and also numerous one-act plays.

THE PRESS CLUB has been organized by those students who have studied journalism and who are interested in continuing their activities in that direction.

THE A E KEY ASSOCIATION is made up of those students who have met the requirements for an A E Key, which is awarded on the basis of activities and scholarship in the Evening Session.

CLASS SCHEDULE

There are three major divisions in the Evening Session schedule: Buchtel College of Liberal Arts, College of Engineering and Commerce, and Teachers College. Each course scheduled is followed by a course number which is used to identify it. For example, German 3 is offered the first semester; therefore 2 is written under the prerequisite column, and should be completed before enrolling in the course numbered 3.

Under the column headed "Credits" is the number of credit hours allowed at the completion of the course toward the appropriate degree. If the number of credits is enclosed in parentheses, it indicates that no college credit is attached to the course. Ordinarily the fee depends upon the number of credits.

DESCRIPTIONS OF COURSES

In the Liberal Arts section of the catalog are described all courses offered by that college, both day and evening. If marked with "e" after the course number, as Bacteriology 71e, the course is given only in the evening, while if "de" appears, as Rhetoric 1de, the course is given in both day and evening. Each course is listed under its proper department. The same notation is used in connection with all other Evening Session courses.

Since the College of Engineering and Commerce comprises the departments in Engineering, Commerce, and Secretarial Science, particular courses must be looked for under the proper heading. In identifying any course, the title and number are both necessary.

SCHEDULE OF CLASSES 1933-34
BUCHTEL COLLEGE OF LIBERAL ARTS

Semester	Subject	Requirement	Crs.	Time	Days	Room	Instructor
BIOLOGY							
1-2	Human Biology (Men) 14		2	6:00-7:50	Th.	O25	Jones
1-2	Bacteriology, 71-72		2	6:00-7:50	M.	O25	Fox
1-2	General Botany with Lab.		2	6:00-9:00	T.	O34	Acquarone
2	Nature Study in the Grades		2	6:00-7:50	W.	O34	Bryant
CHEMISTRY							
1-2	Elementary Metallurgy	**	2	6:00-7:50	M.	E6	Schaefer
ECONOMICS							
1-2	Principles of Economics, 1-2		3	6:25-7:50	M.-W.	B26	O'Hara
1	Economic History, C12		2	8:00-9:50	T.	B15	Anthony
2	Labor Problems, 7	2	2	8:00-9:50	M.	B15	Anthony
ENGLISH							
1-2	Rhetoric, 1-2		3	8:00-9:25	T.-Th.	B25	Stickney
1	Rhetoric 2	1	3	6:25-7:50	T.-Th.	B25	Roberts
1-2	American Literature, 45-46	2	3	6:25-7:50	M.-W.	E40	Raw
1-2	Literature (1476-1798), 27-28	2	2	6:00-7:50	W.	B37	Spanton
1	Theme Writing, 3	2	2	10:00-10:50	Sat.	B32	Mitchell
1-2	Anglo-Saxon, 221-222	Grads. & Srs.	3	6:25-7:50	T.-Th.	B13	Pease
1	News Writing, 15		3	6:00-7:50	W.	B22	Vance
1	Writing for Print	15	2	8:00-9:50	Th.	B11	Vance
2	Feature Writing	15	3	6:00-7:50	W.	B22	Vance
HISTORY							
1	Renaissance and Reformation, 5		3	6:25-7:50	M.-W.	B25	Sappington
2	French Revolution, 6		3	6:25-7:50	M.-W.	B25	Sappington
HOME ECONOMICS							
1	Child Care, 25		6	6:00-7:50	Th.	CC	Counts
2	Foods in Relation to Health		2	6:00-7:50	W.	C8	Counts
MATHEMATICS							
1-2	Descriptive Astronomy		2	8:00-9:50	W.	B15	Jones
1, 2	College Algebra, 1		4	6:00-7:50	T.-Th.	B38	Goodman (Lipscombe)
2	Trigonometry, 2		4	6:00-7:50	T.-Th.	B38	Goodman Lipscombe
1	Analyticals, 3-4	2	2	6:00-7:50	M.	B38	Lipscombe
1-2	Differential Equations, 105-106		2	6:00-7:50	M.	B11	Selby
1-2	Business Mathematics, 20		2	8:00-9:50	W.	K22	Selby
MODERN LANGUAGES							
1-2	Beginning German, 1-2		4	6:00-7:50	T.-Th.	B22	Albrecht
1-2	Beginning French, 1-2		4	6:00-7:50	T.-Th.	B11	Keister
1-2	Commercial Spanish		3	6:25-7:50	T.-Th.	B15	Maturo
1-2	Advanced German, 7-8	6	2	8:00-9:50	W.	B22	Albrecht
PHILOSOPHY-PSYCHOLOGY							
1	General Psychology, 1		3	8:00-9:25	T.-Th.	B26	Wood
2	Genetic Psychology, 205	9 hrs.	2	8:00-9:50	Sat.	S113	Hayes
2	Applied Psychology, 2	1	3	8:00-9:25	T.-Th.	B26	Hayes
1-2	Psychological Systems, 308	307	2	6:00-7:50	Th.	K22	Hayes
2	Psy. of Social Relations, 202	9 hrs.	2	10:00-11:50	Sat.	S112	Hayes
1-2	Introduction to Philosophy, 1-2		3	6:25-7:50	T.-Th.	B32	Wood (Donley)
1	Child Psychology, 5	1	2	8:00-10:00	Sat.	B22	Hayes
1	Aesthetics		2	6:00-7:50	Th.	B26	Donley
POLITICAL SCIENCE							
1	Problems of Citizenship, 1	**	4	6:00-7:50	T.-Th.	B26	Creecraft
2	Government and Social Welfare		3	6:25-7:50	T.-Th.	B11	Creecraft
1	Political Theory, 21	***	2	6:00-7:50	Th.	K22	King
2	Political Parties, 7	***	2	6:00-7:50	Th.	K22	Sherman
PHYSICS							
1-2	Modern Theories, 111		3	6:25-7:50	M.-W.	O21	Gray
2	Applied Aerodynamics	**	2	8:00-9:50	W.	O21	Troller
SOCIOLOGY							
1	Juvenile Delinquent, 114	6 hrs.	3	8:00-9:25	M.-W.	B32	DeGraff
2	Introduction to Sociology, 1		3	8:00-9:25	M.-W.	B32	DeGraff
1-2	Unemployed Relief, 301-302	***	2	6:30-8:20	M.	B32	Day
SPEECH							
1	Public Speaking, 1		3	6:25-7:50	M.-W.	B12	Knight
1	Radio Speaking, 9		3	8:00-9:25	M.-W.	B13	Knight
2	Advanced Radio Speaking, 10	9	2	8:00-9:50	T.	B13	Knight
1, 2	Business Men's Pub. Speak., 10		2	8:00-9:50	M.	K22	Turner
2	Bus. Men's Ad. Pub. Speak., 11	10	2	6:00-7:50	M.	K22	Turner
1-2	Interpretation, 32-33		2	6:00-7:50	Th.	B12	McEbright
1-2	Voice-Speech		2	6:00-7:50	T.	B12	McEbright
1	Make-up		1	8:00-9:50	T.	B12	McShafrey
2	Acting, 24		2	6:30-8:30	Fr.	B12	McShafrey

**Permission of Instructor.

***Permission of Head of Department.

COLLEGE OF ENGINEERING AND COMMERCE
1933-34

Semester	Subject	Requirement	Crs.	Time	Days	Room	Instructor
ENGINEERING							
1-2	Engineering Drawing, 1-2.....		3	6:25-9:15	T.-Th.	E41	Wilson
1	Machine Drawing.....		3	6:25-9:15	T.-Th.	E41	Griffin
1-2	Surveying.....		2	8:00-9:50	M.	E15	Durst
1-2	Theory of Radio Communication.....	(HS Alg)	(2)	6:00-7:50	Th.	E10	Smith
1-2	Industrial Electricity.....		3	6:25-7:50	M.-W.	E10	Walther
2	Industrial Electricity Lab.....		1½	6:25-9:25	Th.	E10	Walther
COMMERCE							
1-2	Accounting, 21-22 (Elem.).....		3	6:00-7:50	M.-W.	E33	Ostroff
1-2	Accounting, 21-22 (Elem.).....		3	8:00-9:50	T.-Th.	E33	Ruesch
1	Accounting, 23 (Managerial).....	22	3	6:25-7:50	T.-Th.	E33	Ruesch
2	Accounting, 32 (Advanced).....	23	3	6:25-7:50	T.-Th.	E33	Ruesch
1-2	Cost Accounting, 133-134.....		3	8:00-9:25	M.-W.	E33	McKee
1	Accounting Systems, 141.....		3	6:25-7:50	M.-W.	E41	McKee
2	Accounting Problems, 138.....	**	3	8:00-9:25	T.-Th.	E34	Ruesch
1-2	Bus. Org. and Bus. Mgt., 61-62.....		3	6:25-7:50	T.-Th.	E34	Hampel
1-2	Business Law, 17-18.....		3	8:00-9:25	M.-W.	B26	Powers
1	Marketing, 181.....		3	6:25-7:50	M.-W.	E34	Leigh
2	Advertising Procedure.....		3	6:25-7:50	M.-W.	E34	Leigh
1	Salesmanship, 83.....		2	8:00-9:50	M.	E34	Leigh
1	Financial Org.....		3	8:00-9:25	T.-Th.	E32	Van Metre
2	Business Finance.....		3	8:00-9:25	T.-Th.	E32	Van Metre
2	Retailing, 186.....	**	2	8:00-9:50	M.	E34	Leigh
SECRETARIAL SCIENCE							
1	Business English, S11.....		(2)	8:00-9:50	M.	B11	Cohen
2	Business Correspondence.....		2	6:00-7:50	W.	B11	Leisy
1-2	Shorthand, 21-22.....		3	6:25-7:50	M.-W.	B13	Self
1	Meth. of Teach. Com. Subjects.....		2	6:00-7:50	M.	B15	Flint

**Permission of Instructor.

TEACHERS COLLEGE
1933-34

Semester	Subject	Requirement	Crs.	Time	Days	Room	Instructor
ART							
1-2	Commercial Art, 23-24		2	6:30-9:15	T.	PH	French
2	Commercial Art, 23		2	6:30-9:15	W.	PH	French
†1	2. Art for the Grades, 15		2	6:30-9:15	M.	PH	Whorl
1	Still Life, 17	6	2	6:30-9:15	Th.	PH	Cable
1	Illustration, 21	**	2	6:30-9:15	W.	PH	Whorl
1-2	*History of Art, 125-126		2	6:30-8:20	M.	PH	Barnhardt
1	House Planning, 113		2	6:30-9:15	Th.	PH	Barnhardt
2	House Decoration, 114		2	6:30-9:15	Th.	PH	Barnhardt
1-2	Pose 20-21	**	2	6:30-9:15	W.	PH	Young
†1	Weaving, 5		2	6:30-9:15	W.	PH	Cable
2	Costume Design, 111		2	6:30-9:15	W.	PH	Cable
EDUCATION—UNDERGRADUATE							
1	Language, Cont. and Meth., 37		2	6:00-7:50	T.	CC8	Kemler
1	Geography of South America, 5		2	8:00-9:50	M.	B32	Snyder
1	Sch. Mgt., Elem. and Pri., 16		2	4:30-6:20	Th.	B15	Kemler
1	Sch. Mgt., High School, 15		2	10:00-11:50	Sat.	S113	Kuhnes
1	*Principles of Education, 9	Jrs.	3	4:30-6:00	M.-W.	B25	Kuhnes
1	Educational Statistics, 121		2	8:00-9:50	Sat.	S112	Evans
2	Tests—Meas. in Sec. Schs., 122		2	8:00-9:50	Sat.	S112	Evans
1	History Content and Methods		2	8:00-9:50	T.	B37	Snyder
2	Geography of No. America		2	8:00-9:50	M.	B25	Snyder
2	Science, Content & Method		2	8:00-9:50	Th.	B12	Snyder
2	Children's Literature, 38		3	6:25-7:50	T.-Th.	B26	Kemler
2	Sch. Mgt., Prim. & Elem., 16		2	4:30-6:20	W.	B15	Kemler
2	*Principles of Education, 9	Jrs.	3	6:25-7:50	T.-Th.	K22	Kuhnes
2	School Mgt., High School, 15		2	4:30-6:20	W.	B25	Kuhnes
GRADUATE							
1	Educational Philosophy, 223	Grads.	2	6:00-7:50	Th.	B37	Kuhnes
1	Pub. Sch. Administration, 221	Grads.	2	6:00-7:50	T.	B37	Evans
1	Technique of Research, 325	Grads.	2	6:00-7:50	W.	B32	Evans
1	Modern Tendencies in Ed., 321	Grads.	2	8:00-9:50	T.	B38	Kuhnes
2	Supv. of Instruction, 222	12 hrs.	2	6:00-7:50	T.	B37	Evans
2	His. of Phil. of Educa., 224	12 hrs.	2	8:00-9:50	Th.	B32	Kuhnes
2	Comparative Education, 322	Grads.	2	10:00-11:50	Sat.	S113	Kuhnes
MUSIC							
1-2	Sight Singing & Ear Train., 30-31		1	6:00-7:50	M.	MH	Rider
2	Public School Music, Gds., 1 to 3		2	8:00-9:50	M.	MH	Rider
1-2	*Elementary Harmony, 1-2		2	6:00-7:50	W.	MH	Ende
1-2	*Hist. & Appr. of Mus., 35-36	66	2	8:00-9:50	W.	MH	Ende
1	Romantic Composers, 201	Grads.	2	6:00-7:50	T.	MH	Ende
2	Modern Composers, 201	Grads.	2	6:00-7:50	T.	MH	Ende
PHYSICAL EDUCATION							
1	Applied Anatomy, 15		2	8:00-9:50	Th.	B37	Smith
1-2	School Health, 25-26		2	8:00-9:50	M.	B38	Smith
PSYCHOLOGY							
1	*General Psychology, 1		3	8:00-9:25	T.-Th.	B26	Wood
1	Child Psychology, 5		2	8:00-9:50	Sat.	B22	Hayes
1-2	Psychological Systems, 307-08	Grads.	2	8:00-9:50	Th.	B38	Hayes
1	Abnormal Psychology, 205	12 hrs.	2	6:00-7:50	M.	B13	Hayes
1	Psychology of Adolescence		2	8:00-9:50	Sat.	S113	Wood
2	Advanced Educational Psy., 212	9 hrs.	2	6:00-7:50	T.	K22	Wood
2	Psy. of Social Relations, 202	9 hrs.	2	10:00-11:50	Sat.	S112	Hayes
2	Genetic Psychology, 105	Srs.	2	8:00-9:50	Sat.	S113	Hayes
VOCATIONAL EDUCATION							
1	Edu. and Voc. Guidance		2	4:00-6:00	M.	Yngst.	Greenly
1	Edu. and Ind. Coordination		2	4:30-6:30	T.	Akron	Greenly
1	Psy. of Occupational Subjects		2	3:00-5:00	Fri.	Cleve.	Greenly
2	His. & Phil. of Voc. Edu., 27		2	4:00-6:00	Fr.	Cleve.	Greenly
2	Conference Meth. of Teaching		2	4:00-6:00	Th.	Hts.	Greenly
2	Conference Meth. of Teaching		2	4:00-6:00	T.	Ydgt.	Greenly
INDUSTRIAL ARTS							
1	Hist. & Phil. of Ind. Arts. Ed.		2	4:30-6:30	W.	B15	Moore
2	Objective plan of Ind. Arts. Curric.		2	4:30-6:20	W.	B13	Moore

*May be counted toward B. A. degree in Liberal Arts College.

**Permission of Instructor.

†Credited toward B.E. only.

1934 SUMMER SESSION

HOWARD R. EVANS, PH.D., *Director*

GENERAL STATEMENT

The thirteenth annual Summer Session of the University of Akron is scheduled to begin June 20th and close July 27th. The Summer Session is an integral part of the University's program. The standards of academic and professional achievement are equivalent to those of the regular session. The courses taught and the instructors, with a few exceptions, are the same as for the Fall and Winter semesters. Credit obtained is fully recognized toward the various degrees and certificates which the University confers.

The University is accredited by the North Central Association of Colleges and Secondary Schools and the Ohio College Association, and is a member of the American Association of Teachers Colleges. It is on the approved list of the Association of American Universities. Credit obtained at the University of Akron will be accepted by all the members of these associations and institutions of equivalent standing.

ADMISSION REQUIREMENTS AND REGISTRATION

There are no formal examinations for admission, but students under 21 years of age must have completed a four-year high school course of study. If the student wishes to apply the credit toward a degree or diploma from the University of Akron, he must meet the admission requirements of the college in which he is seeking the degree or diploma.

Students from other colleges should present a statement of good standing from the registrar of the institution last attended.

Registration will be held in rooms 37 and 38, Buchtel Hall, June 20th from 8:00 a. m. to 5:00 p. m. Any person registering after June 20th will be charged a late registration fee of \$5.00. All late registrants should report to the office of the Director. All changes in courses must pass through the Director's office.

FEES

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 20th, or by mail before this date.

A maintenance fee of \$6.00 per credit hour will be charged all students. The amount of credit granted is indicated for each course, so that each student can determine the cost.

In addition to the maintenance fee each student is charged a \$1.00 student activities fee.

A late registration fee of \$5.00 will be charged all students who register after June 20th. Laboratory fees are indicated in the description of courses.

A deposit of \$10.00 is required with applications for Student Teaching.

The cost of the courses in Piano, Organ and Violin is \$30.00 each per credit hour.

A fee of \$2.00 will be charged for Two-Year and Three-Year diplomas.

Application for refunds are handled by the Treasurer.

OFFICIAL SCHEDULE CHANGES

The University reserves the right to cancel a course when the registration is not sufficient to warrant its continuance; to divide classes if the enrollment is too large for efficient instruction, and to change instructors when necessary. Additional courses will be organized if the demand is sufficient.

ACADEMIC CREDIT

The unit of credit is the semester hour which requires class meetings totaling fifteen clock-hours for lecture-discussion classes, with additional time for laboratory classes.

All classes meet five days a week during the six weeks from June 20th to July 27th. A two-hour class meets daily for a period of one hour for six weeks. A three-hour class meets twice a day for three weeks and once a day for the other three weeks. Special arrangements are made for six and eight hour courses. Because of the loss of two days during the first week of school classes will be held on Saturdays, June 23 and June 30.

All courses offered in the Summer Session are credited in Teachers College. The courses which are accepted toward a degree in Buchtel College of Liberal Arts are indicated by an asterisk (*) in the schedule of classes. All students will receive certificates indicating the quality of work done and the amount of credit granted.

No student will be allowed to enroll for courses aggregating more than six semester hours, except upon the approval of the Director.

APPOINTMENT BUREAU

The Director of the Summer Session is chairman of the Appointment Bureau for Teachers of the University. Summer Session students may enroll for appointment without extra fee.

PRACTICE TEACHING

Student teaching will be done in Barberton schools. All requests for student teaching must be made before May 15th with the understanding that those first enrolled will be assigned first. Notification will be given early in June. A deposit of \$10.00 is required with each enrollment.

TRANSPORTATION AND HOUSING

Reduced railroad fares may be obtained for students and their families. Write to the Director for an application blank.

A list of available places where board and rooms may be obtained is kept in the Director's office. Information will be furnished upon request.

PROGRAMS OF STUDY

Teachers who are planning the completion of regular two-year courses for state certificates may complete this work in summer sessions at the University of Akron and in addition receive college credit toward the degree. Many subjects taught in the summer session are also credited toward degrees in the other colleges of the University.

Students desiring to do graduate work will find opportunity to earn graduate degrees in summer sessions. Graduate credit may be given for courses numbered above 100.

OUTLINE OF THE TWO-YEAR COURSE

	Cr. Hrs.		Cr. Hrs.
Rhetoric I	3	Tests and Measurements	2
Physical Education	2	Story Telling	2
Methods (in four subjects)	6	Speech	2
History of Education	3	Personal Hygiene	2
School Management	2	Public School Music	4
Principles of Education	3	Psychology (including Educational Psychology)	5
Problems of Citizenship or American History	2	Practice Teaching and Observation	7
Art	4		

Required, 49 hours. Elective, 15 hours. Total required, 64 hours, 16 of which must be earned in the University of Akron. Teachers who have credits from other standard colleges may have them transferred.

Students who expect to complete the requirements for two or three-year diplomas should file application in the registrar's office the first week of the Summer Session. A fee of \$2.00 will be charged.

SCHEDULE OF CLASSES—1934

s following a course number indicates that it is a special Summer Session course.

ds indicates that the course is also given in the day session of the regular term.

des indicates that the course is given in day, evening and Summer Sessions.

Courses numbered 0 to 99 are strictly undergraduate; 100 to 199 denotes undergraduate courses to which a few graduates may be admitted for graduate credit upon completion of additional requirements; 200 to 299 denotes graduate courses to which a few undergraduates may be admitted; courses above 200 are strictly graduate.

Subject	Prerequisite	Cr. Hrs.	Time	Room	Instructor
ART					
*Structural Art 1 ds.....		2	9:35-10:35	PH	Barnhardt
Elementary Art 15 ds.....	1	2	7:15-8:15		
			8:25-9:25	PH	Barnhardt
*Still Life 17 ds.....	6	2	10:45-11:45		
			11:55-12:55	PH	Barnhardt
COMMERCE AND ECONOMICS					
Corporation Finance 71 ds.....		3	8:25-9:25	E 33	McKee
*Principles of Economics 1 ds.....		2	7:15-8:15	B 25	Anthony
*Economics of the New Social Order 7 s.....		2	8:25-9:25	B 25	Anthony
EDUCATION					
*History of Education 3 ds.....		2	11:55-12:55	S 212	Snyder
Science Content & Method 33 ds.....		2	7:15-8:15	B 11	Snyder
Reading Content & Method 35 ds.....		2	11:55-12:55	B 11	Kemler
Arithmetic Content & Method 36 ds.....		2	10:45-11:45	B 11	Kemler
Language Content & Method 37 ds.....		2	8:25-9:25	B 38	Kemler
Student Teaching, Classroom Management and Observation 24 s.....		6			Kuhnes
Educational Tests and Measurements 122 ds.....		2	8:25-9:25	S 112	Hatton
Educational and Vocational Guidance 42 s.....		2	7:15-8:15	B 13	Greenly
GRADUATE COURSES IN EDUCATION					
Adaptation of Instruction to Individual Differences 200 s.....		3	8:25-9:25	S 211	Wilson
Educational Philosophy 223 es.....		2	8:25-9:25	S 113	Kuhnes
Public School Finance 227 s.....		2	9:35-10:35	S 211	Sherman
Secondary School Administration 220 ds.....		2	10:45-11:45	S 211	Bowman
Modern Tendencies in Education 321 es.....		2	7:15-8:15	S 112	Kuhnes
Seminar in Curriculum 327 s.....		2	8:25-9:25	S 213	Evans
ENGLISH					
*Rhetoric 1 ds.....		3	7:15-8:15	B 37	Stickney
			9:35-10:35 (first 3 wks.)	B 13	
*Rhetoric 2 ds.....	1	3	9:35-10:35	E 32	Raw
			10:45-11:45 (first 3 wks.)		
*Types of Poetry 26 ds.....	1-2	3	10:45-11:45	B 13	Roberts
*Types of Mid-Nineteenth Century Fiction 40 ds.....		2	8:25-9:25	B 11	Pease
*American Literature 46 ds.....		2	10:45-11:45	B 32	Pease
*Journalism 15 ds.....		2	10:45-11:45	B 11	Vance
HISTORY					
*Survey of Western Civilization 1 ds.....		2	9:35-10:35	B 25	Gardner
*United States—Prior to Civil War 11 ds.....		2	10:45-11:45	B 26	Gardner
MATHEMATICS					
*Trigonometry 2 ds.....		4	8:25-9:25		
			10:45-11:45	B 15	Jones
MODERN LANGUAGES					
*Second Year German 3-4 ds.....	1-2	6	8:25-9:25		
			9:35-10:35		
			10:45-11:45	B 22	Bulger

*Counts toward Liberal Arts degree

Subject	Prerequisite	Cr. Hrs.	Time	Room	Instructor
PHYSICAL EDUCATION					
Personal Hygiene 4 s.....		2	9:35-10:35	B 32	Smith
Principles of Coaching 17 ds.....		3	10:45-11:45	Gym	Blair
			11:55-12:55 (last 3 wks.)		
School Health 25 ds.....		2	8:25-9:25	B 12	Smith
Organization and Administration of Physical Education 30 ds.....		2	7:15-8:15	B 12	Smith
POLITICAL SCIENCE					
*Problems of Citizenship 1 ds.....		2	7:15-8:15	B 38	Sherman
*American Government 2 ds.....		2	8:25-9:25	B 26	King
*International Relations 25 ds.....		2	10:45-11:45	B 25	King
PSYCHOLOGY					
*General Psychology 1 ds.....		2	7:15-8:15	S 113	Wood
*Educational Psychology 3 ds.....	1	2	10:45-11:45	S 113	Wood
*Child Psychology 5 ds.....		2	10:45-11:45	K 22	Hayes
*Mental Hygiene 7 ds.....		3	11:55-12:55	S 113	Hayes
GRADUATE COURSES					
Advanced Educational Psychology 203 ds.....		2	11:55-12:55	B 26	Wood
Abnormal Psychology 205 es.....		2	9:35-10:35	S 113	Hayes
Psychology of Personality and Char- acter 215 ds.....	2	2	9:35-10:35	B 26	Wood
PUBLIC SCHOOL MUSIC					
Public School Music 19-20.....		2	10:45-11:45	MH	Rider
Sight Singing and Ear Training 31 ds..		2	9:35-10:35	MH	Rider
*History and Appreciation of Music 36 ds.....		2	11:55-12:55	MH	Rider
*Class Course in Voice 1 s.....		2	9:35-10:35	S 112	Stein
SCIENCE					
*Entomology 6 ds.....		4	7:15-8:15	O 25	Kraatz
*General Botany 31-32 ds.....	4 or 8		8:25-9:25	O 25	Acquarone
*Human Biology 14-15 ds.....	4		10:45-11:45		
			11:55-12:55	O 25	Jones
SOCIOLOGY					
*General Sociology 1 ds.....		2	9:35-10:35	B 15	DeGraff
*Modern Social Problems 4 s.....		2	7:15-8:15	B 15	DeGraff
SPEECH					
*Interpretation, and Reading Rehear- sals 1 s.....		2	10:45-11:45	B 12	McEbright
*Voice and Speech 2 ds.....		2	9:35-10:35	B 12	McEbright
*Acting.....		3	8:25-9:25	B 37	Troesch
SECRETARIAL SCIENCE					
Shorthand 21-22 ds.....		6	8:25-9:25	S 212	Tenney
			10:45-11:45 (9 weeks)		
Typewriting 31-32 ds.....		4	7:15-8:15	S 213	Tenney
			9:35-10:35		
			11:55-12:55 (9 weeks)		
Typewriting 39 ds.....		2	7:15-8:15	S 213	Tenney
			9:35-10:35		
			11:55-12:55		

*Counts toward Liberal Arts degree.

SUMMARY OF STUDENTS IN DAY CLASSES

Classification of students as of September, 1933 (except those entering in February, 1934).

BUCHTEL COLLEGE OF LIBERAL ARTS

	Men	Women	Total
Graduate students.....	17	5	22
Seniors.....	36	32	68
Juniors.....	48	47	95
Sophomores.....	87	69	156
Freshmen.....	241	142	383
Irregular students.....	14	11	25
Special students.....	4	4	8
	447	310	757
Home Economics students.....		69	69
Liberal Arts students.....	447	241	688

COLLEGE OF ENGINEERING AND COMMERCE

	Men	Women	Total
Graduate students.....	1	2	3
Seniors.....	26	3	29
Juniors.....	43	12	55
Pre-Juniors.....	21	..	21
Sophomores.....	52	24	76
Freshmen.....	192	61	253
Irregular students.....	14	3	17
Special students.....	4	1	5
	293	106	399
Distributions by Departments			
Engineering.....	160	..	160
Commerce.....	127	3	130
Secretarial Science.....	6	103	109
	293	106	399

THE TEACHERS COLLEGE

	Men	Women	Total
Graduate students.....	8	7	15
Seniors.....	10	27	37
Juniors.....	11	31	42
Sophomores.....	13	30	43
Freshmen.....	30	70	100
Irregular students.....	3	2	5
Special students.....	4	3	7
	79	170	249

SUMMARY OF ALL STUDENTS IN THE UNIVERSITY

	Men	Women	Total
Graduate students.....	26	14	40
Seniors.....	72	62	134
Juniors.....	102	90	192
Pre-Juniors.....	21	..	21
Sophomores.....	152	123	275
Freshmen.....	403	273	676
Irregular students.....	31	16	47
Special students.....	12	8	20
Total Day Session enrolment.....	819	586	1405
Total Evening Session enrolment.....	758	678	1436
Total Summer Session (1933).....	47	207	254
	1624	1471	3095
Less duplicates.....	132	177	509
	1492	1294	2786
Extension classes, off the campus.....	33	3	36
Total net enrolment.....	1525	1297	2822
Total net enrolment reduced to a full-time basis, evaluating five part-time (evening, summer and extension) students as equivalent to one full-time student.....			1688

DEGREES CONFERRED JUNE 16, 1933

BUCHTEL COLLEGE OF
LIBERAL ARTS*Bachelor of Arts*

Caroline Amelia Affleck
Joseph W. Alexander
Wilbur Lancaster Barnes
Lucius Claude Benedict
Jane Bent
Deane H. Bishop
Richard Rodman Bowman
Marjorie Eleanor Brouse
Charles Edmund Bryant, Jr.
Abe S. Cohen
Dorothy Esther Crabb
Jack VanDerWart Deetjen
V. Arline Eckard
Robert Martin Erwine
James Joseph Fanning
Lucile Elizabeth Finney
Robert Harrison Fulton
Jean Utilia Galehouse
James William Glennen
Ruth Kern Greer
Eldred B. Heisel
Hirsh Kaplan
Robert Amendt Kinney
William Carl Kruck
Ruth Laura Lieghley
Lloyd Gerber Linder
Harold Rudolph Mikolashek
Vera Kathrine Mills
Pauline Iona Minnich
Mildred Nostwich
John Andrew Pamer
Elizabeth Price
Charles Edward Putt
Otto Ferdinand Schoch
Ernest J. Schultz
Ella Mildred Scott
Catherine Whiton Simmons
Mary Heller Smith
Alvin Andrew Stadtmiller
Laura Jane Stillman
Clayton LeRoy Straw
Helen Carver Trafford
Ruth Marie Trommer
Bernice Elizabeth Waldsmith
Norman Edgar Wentzler, Jr.
Branko John Widick
Bertha Marie Wilde
Ralph Winer
Paul Maxwell Zeis

Bachelor of Science

LaVerne Emerson Cheyney
William Earle Hoffman
William Howard Maryanski
William John Ryan
Robert John Salyerds
Cleveland Conner Soper
John Earl Weiler
Vaughn V. Wheeler
Kenneth Irving Wood

Master of Arts

William John Emerick
Don Adams Keister
James Laurence
Chalmers K. Stewart

Master of Science

Karl William Brandau

COLLEGE OF ENGINEERING
AND COMMERCE*Civil Engineer*

Carroll Preston Allard
Herbert Henry Fink
William Virgin Stine
Charles Wade Surbey
Paul Armstrong Williams

Electrical Engineer

Lawrence Vernon Bair
William John Boyd
Frank R. Carillon
Walter Arthur Lorenz
Frank J. Marcinkoski
Foster Raymond Woodward

Industrial Engineer

Simon L. Wansky

Mechanical Engineer

Bernard James Higgins
Virgil Richard Kamp
Bryce Delos McMichael
Gerald Summers Quinn
Frank Edwin Ream
John Arnold Schubert
Alvin Whitelaw Spicer
Henry Fred Watkins

*Bachelor of Science in
Business Administration*

Adolph Irving Brown
James Harvey Carrier
Harry W. Frantz
Joseph Vincent Gruccio
Frederick Ernest Horn
Frederick William Powell
Edward T. Pressler
Earl Albert Roth
Gregory Susko
Irvin Walter Turina
Frank Dyrus Witwer
William Earl Wolfe
Kent Weisel Woodward

*Bachelor of Science in
Secretarial Science*

Frances Adelaide Clark
Geraldine Starnier Hill
Helen P. Leavenworth
Mathilde Catherine Manthey
Elizabeth Schaeffer

THE TEACHERS COLLEGE

Bachelor of Education

Doris Jean Apel
Mary Elizabeth Armacost
Edna Alice Bailey
Thresa Joanne Balasco
Emma Barack
Sophia M. Beims
Ernst Ferdinand Beret
Margaret May Bourquin
Virginia Mae Boyd
Esther Brandwan
Dorothy Hannah Browne
Genevieve E. Burnham
Frances Welty Carson
Clifford William Casenhiser
Celia Cohen
Ross E. Crecelius
Eleanor Jeanette Crow
M. Lucille Davison
Edith E. DeLaney
Ruth Stevenson Dix
Elizabeth Westland Ellis
M. Ruth Fletcher
Evelyn H. Friedman
Ethel Mae Fry
Rose Magdalene Gilbride
Marjorie Evelyn Hall
Martha Harriett Hardman
Marjorie Louise Harry
Aurelia E. Hornberger
Ann Nina Huber
Charles Benson Hurst
Julia Marie Jeppesen
Marie Kathryn Jones
Max Ralph Klein
Edward E. Klipstein
Frances Amelia Lee
Alice Elizabeth McAuliffe
Juanita Hunsicker McClure
Edward Ewald Marggraf
Florence Heer Masquelier
Elizabeth Louise Mosher
C. Helen Norton
Nellie Thornburgh Porter
Henrietta Irene Russell
Esther Sapp
Mary Margaret Selzer
Pauline Pearl Singer
Margaret Emma Snyder
Ruth Mildred Straub
Mae Elizabeth Summy
Ronald Earl Switzer
Helen Irene Tedrick
Sarah Jones Webster
Nellie Whittaker
Hazel Kathryn Willis

THE TEACHERS COLLEGE

Bachelor of Education—Cont.
Eva Pauline Windisch
Margaret Louise Woofter
Olga M. Zemlansky

William Heck McGinnis
Gilbert Talmadge Nolley
Joseph Nickolas Rinaldo
Helen Carver Trafford

*Master of Science in
Education*

William Carroll Darrah
Michel Hercbek
John Stanley Shondel

*Bachelor of Science in
Education*

Jacob Charles Brooks
Lucile Elizabeth Dice
Elvira Gruner
Violet Bates Houston
Virginia Louise Licht

Master of Arts in Education

Corinne Christine Helwig
Alfred Dwight Ladd
Earl D. Matthews
Lowell Emmet Robertson
Leona Regan Wood

Master of Education

Ethel Hortense Babbitt
Ruth Esther Blank
Ralph L. Cori
Mildred Evangeline Stebbins
Cyril William Woolcock

HONORARY DEGREES

Doctor of Laws

Parke Rexford Kolbe, President of Drexel Institute, Philadelphia, Pennsylvania.
Edwin Coupland Shaw, Akron, Ohio.

CERTIFICATES

COLLEGE OF ENGINEERING AND COMMERCE

Two-Year Certificate in Secretarial Science
Betty Louise Kunz

THE TEACHERS COLLEGE

Certificates granted in the Teachers College since June, 1932

Three-Year Elementary

Mary McKnight Dickie
Doris Kathryn Fankbonner
Anne Marie Felber
Idabelle Karine Peterson
Catherine Redinger
Helen Elizabeth Reed

Two-Year Elementary

Verda Camp
Bernice Eloise Conkel
Helen Florence Cramer
Mildred B. Eick
Romaine Eshelman
Lois Maude Evans
Lena S. Harnish
Grace May Heskett
Kathryn Kirkpatrick
Gladys Elizabeth Little
Edna McVicker

Margaret Mary O'Malley
Edna Katherine Pfouts
Marian Elizabeth Poore
Mildred Gloria Ransom
Gladys Keith Rice
Kathryne Mary Stahl
Laverna Mae Stock
George Richard Sweeney
Mabel Wise
Geraldine Pearl Watters

ACADEMIC HONORS AND PRIZES

HONORS COURSE STUDENTS IN CLASS OF 1933

Latin: V. Arline Eckard, Jean U. Galehouse
 Mathematics: Jane Bent, Abe Stanley Cohen
 Speech: Ella Mildred Scott

Honor Graduate in Reserve Officers Training Corps: Wilbur L. Barnes

HONORARY FRATERNITIES

PHI SIGMA ALPHA

In Buchtel College of Liberal Arts, for scholarship in the senior class, an average grade of not less than 90%; in the junior class, an average grade of not less than 92%:

Class of 1933
Elected as juniors as members of the class of 1934:

<i>Elected to membership as seniors:</i>	
Jane Bent	James Daniel D'Ianni
Abe Stanley Cohen	Harriett Madge Fenneman
V. Arline Eckard	Ruth Adele Hoffmaster
Jean U. Galehouse	Nick C. Syracapoulos
James William Glennen	Sidney Milton Solomon
Robert A. Kinney	
William John Ryan	

Elected as juniors in 1932:
 Ella Mildred Scott
 Paul Maxwell Zeis

DELTA SIGMA PHI

In Buchtel College of Liberal Arts, in Home Economics, in the junior class, outstanding in scholarship, leadership, character, and personality:

Madge Leibole	Ruth E. Silvester	Winifred Smith
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SIGMA TAU

In the College of Engineering and Commerce, elected from the upper third of each junior class, in Engineering, for scholarship and personality:

William C. Leavenworth	Frank G. Rokus	Frederick C. Tarbox
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BETA DELTA PSI

In the College of Engineering and Commerce, elected from the junior class, in Commerce, for scholarship:

John G. Cooper	Frederick W. Powell
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SIGMA PI EPSILON

In the Teachers College, elected from the senior class for scholarship, teaching skill, and civic spirit:

Theresa Balasco	Ann Nina Huber
Aurelia E. Hornberger	Nellie Whittaker

PRIZES

Senior Alumni Prize, divided between Paul Maxwell Zeis and Ella Mildred Scott.

Dr. E. B. Folts Pre-medical Prize awarded to William John Ryan.

Chi Omega Prize in Sociology, awarded for the first time to Wanda Larrick, '34.

Senior Ashton Contest Prizes awarded April, 1933: First Prize to Paul M. Zeis; second prize to Deane Bishop.

Loomis Cup: In 1930-31 won by East High School; in 1931-32, by Central High School, and in 1932-33, by North High School.

Kappa Delta Pi Prizes, 1932-33, awarded to a freshman and a sophomore in Teachers College on work completed in 1931-32: Freshman prize to Eileen Button; sophomore prize to Jacob Brooks.

ASSEMBLY SPEAKERS AND ENTERTAINERS 1933

- January 6 Mr. Gus Kasch, Representative in the Ohio Legislature.
- January 13 Student Council Program.
- January 20 The University Glee Clubs, selections from "Carmen." Mr. Lloyd Linder, '33, soloist.
- January 27 Mr. Ralph C. Busbey, Editor of the India Rubber and Tire Review.
- February 17 The Tuesday Musical Club presented excerpts from numbers to be played by the Cleveland Symphony Orchestra, February 28.
- February 24 Women's Fraternity Sing.
- March 3 Men's Fraternity Sing.
- March 10 Dean F. E. Ayer of the College of Engineering and Commerce, "Technocracy."
- March 17 Erie Railroad Moving Pictures of the 1933 Chicago Century of Progress.
- March 24 Bishop Joseph Schrems, Cleveland, Ohio, "Need of Religion in Life."
- March 31 C. R. Bearmore, Moving Pictures of the 1932 Olympics.
- April 7 The University Theatre presents "Babbitt's Son," a one-act play.
- April 21 The Senior Ashton Contest.
- April 28 Dr. Manuel C. Elmer, Professor of Sociology, University of Pittsburgh.
- May 5 The University Band.
- May 12 President Walter G. Clippinger of Otterbein College.
- June 2 President George F. Zook, Farewell address to students.
- June 22 Musical Program under the direction of Professor DeLeone, with Clifford Smiley as artist.
- June 29 Dr. George F. Zook, "The Office of Education."
- July 7 Walter A. Morrow, Editor of the Akron Times-Press, "The Liberal Trend."
- July 14 A musical program under the direction of Professor Ende.
- July 21 Dean J. B. Edmonson, "Getting along with People."
- July 28 The Speech Class under the direction of Miss Carita McEbright presented a one-act comedy, "Just Women."
- September 22 President H. E. Simmons, address to students and faculty.
- September 29 Professor Sefton and Coach Blair, "The Athletic Program for the year 1933-34."
- October 6 Rev. J. P. Hendershot, Pastor of the First Baptist Church.
- October 13 Mr. John S. Moore, Regional Director of the League of Nations Association, Inc., "The Mainspring of the German Revolution."
- October 20 President C. F. Wishart of the College of Wooster, "The Necessity of Unnecessary Studies."
- October 27 Mrs. Dorothy Fuldheim, "Present Day History and Economics."
- November 3 Mr. Spencer Miller of New York City, Secretary of the Workers Education Bureau of America.
- November 10 Mr. Lee G. Matthews, representing the Dollar Steamship Company, "Conditions in the Far East."
- November 17 Congressman Charles West, U. S. Representative from the 17th District of Ohio, "The NRA."
- November 24 Dean F. E. Ayer, "How to Get Along with your Instructors."
- December 9 Mystery Skit by University students.
- December 16 President Philip C. Nash of the University of Toledo, "International Relations." The University Glee Clubs.

THE UNIVERSITY OF AKRON ALUMNI ASSOCIATION 1933-34 DIRECTORY

OFFICERS OF THE GENERAL ASSOCIATION (1933-34)

President.....Herman Werner, '20 2nd Vice-Pres...Mrs. K. D. Smith, '13
1st Vice-Pres...Marion Richardson, '17 Hon. Treas.....Chas. Bulger, '08
Secretary.....S. O. Schumacher, '27

EXECUTIVE COMMITTEE

Herman E. Werner, '20; Marion Richardson, '17; Mrs. K. Dolbeer Smith, '13;
Dr. Charles Bulger, '08; M. P. Boggs and the Alumni Secretary.

ALUMNI BOARD OF TRUSTEES

Term expires June, 1934	Term expires June, 1935
Frances Hottenstein, '21	Robert Quine, '29
Irene Jackson, '08	John Wortman, '24
William Sawyer, '87	Mary Gladwin, '87
Don VanBuskirk, '24	Emily Harpham, '96

Term expires June, 1936
Dr. E. B. Foltz, '96
William Knowlton, '21
Margaret Fanning, '25
Maurice A. Knight, '06

ASSOCIATION BRANCHES

Chicago—President, Honor C. Fouch, '09, 4122 Grand Ave., Western Springs, Ill.
Cleveland—President, Earl Gudikunst, '21, 4006 Elmwood Rd., Cleveland Heights, Ohio.
Detroit—President, Theodore Harrington, '25, 16200 Parkside, Detroit, Mich.
Pittsburgh—President, Robert Crist, '05, 408 Brilliant St., Aspinwall, Pittsburgh, Pa.
Southern California—President, Dr. Ross S. LeLansky, 1200 Roosevelt Bldg., Los Angeles, Calif.

THE ALUMNI ASSOCIATION

The Alumni Association is the official organization of alumni to advance the interests of the University through its graduates and former students, all of whom are members of the Association. Only those who have paid their dues are eligible to vote or hold office.

The officers are president, two vice-presidents, treasurer, and secretary. The Association is governed by a Board of Alumni Trustees composed of twelve alumni and the Association Officers elected by general vote. Subject to the approval of the Alumni Trustees, power to act for the Association is vested in an executive committee composed of the General Association officers, the treasurer of the University, and one member of the Alumni Trustees.

The three forms of membership dues in the Alumni Association are as follows:

Annual dues and subscription to the Akron Alumnus \$2.00.

Life Membership Pledge (paid in 3 installments of \$10 each) \$30.00.

Alumni Loyalty Bond (paid in 5 annual installments of \$10 each) \$50.00.

The first three installments on these \$50.00 bonds are paid to the Alumni Association in full payment of a life membership in said association and the last two installments are paid to the University of Akron to be applied on an Alumni Loyalty Fund in said University, to be used for capital investment or endowment purposes as the Board of Directors of the University may deem best.

Checks for dues should be made payable to the University of Akron Alumni Association.

The University has graduated 2,126 including the class of 1932.

THE ALUMNI OFFICE

The Alumni Office, headquarters of the Alumni Association on the campus, is in charge of the Alumni Secretary and is located in Phillips Hall. Here are kept all the records of the Association, files biographical and historical data.

The secretary edits the Akron Alumnus, official publication of the Association, and the Alumni Register; has charge of Homecoming and Migration Days and assists in the celebration of Founders Day. All alumni events at Commencement, the organization of alumni clubs, and alumni publicity work, are taken care of in the Alumni Office.

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