

THE UNIVERSITY OF AKRON

1913



1938

TWENTY-FIFTH ANNIVERSARY

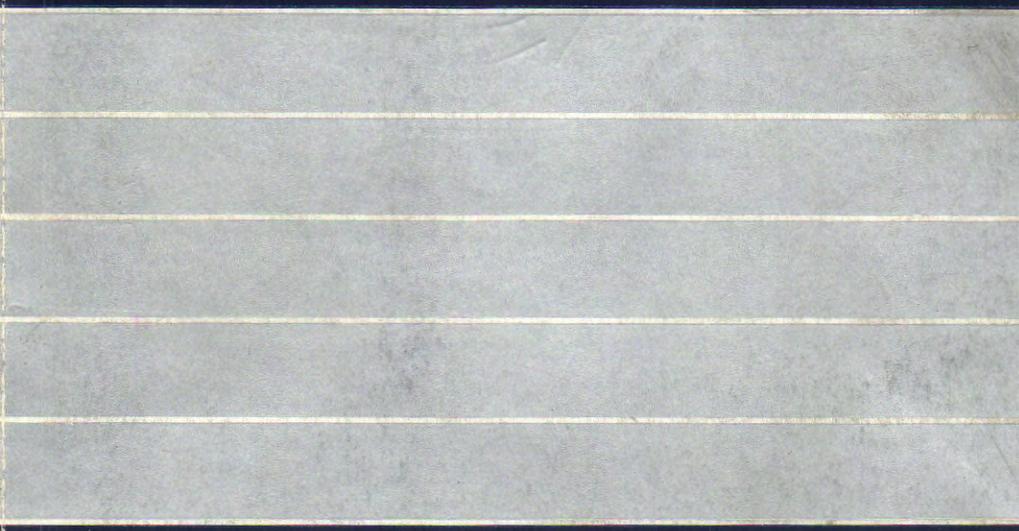


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Cover design by Mr. L. Adrian French, '27.

THE UNIVERSITY CALENDAR

1938

- JUNE 17, FRIDAY.....Examinations for admission.
- JUNE 20, MONDAY.....Registration for Summer Session.
- JUNE 21, TUESDAY.....Summer Session classes begin.
- JULY 21 AND 22.....General Final examinations for Graduate Students.
THURSDAY AND FRIDAY
- JULY 29, FRIDAY.....Summer Session closes.
- AUGUST 22, TO NOON, SEPTEMBER 10.Registration and classification of entering students.
- SEPTEMBER 12 AND 13.....Examinations for admission—Evening Session.
MONDAY AND TUESDAY 7 P. M.
- SEPTEMBER 12 TO 15 INCLUSIVE.....Freshman Week.
MONDAY, 10 A. M. TO THURSDAY
- SEPTEMBER 15, THURSDAY.....Registration of Upper College students. (Divisions A and B in co-operative engineering.)
- SEPTEMBER 16 AND 17.....Registration of General College students.
- SEPTEMBER 16 AND 17.....Registration and classification for Evening Session.
FRIDAY AND SATURDAY, DAY AND EVENING
- SEPTEMBER 19, MONDAY.....Classes in Day and Evening Sessions begin. (Division A in co-operative engineering.)
- NOVEMBER 10 TO 12 INCLUSIVE.....Final examinations for Division A in co-operative engineering.
- NOVEMBER 14, MONDAY.....Final classification for Division B in co-operative engineering; classes begin.
- NOVEMBER 24, 25, 26.....Thanksgiving recess.
THURSDAY, FRIDAY, SATURDAY
- DECEMBER 20, TUESDAY.....Qualifying examinations for prospective teachers.
- DECEMBER 22, THURSDAY, TO
JANUARY 2, MONDAY INCLUSIVE...Christmas vacation.

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- JANUARY 3, TUESDAY.....Classes resume.
- JANUARY 9-21.....Advance classification for Day Session.
- JANUARY 18, WEDNESDAY.....Founders Day.
- JANUARY 23-28 INCLUSIVE.....Semester final examinations for Day and Evening Sessions.
MONDAY TO SATURDAY
- JANUARY 26-28 INCLUSIVE.....Final examinations for Division B in co-operative engineering.

- JANUARY 27, 28, 30. Registration and classification of entering students.
FRIDAY, SATURDAY, MONDAY
- JANUARY 30 AND 31. Examinations for admission—Evening Session.
MONDAY AND TUESDAY
- FEBRUARY 2, 3. Final classification of students in Day Session.
THURSDAY AND FRIDAY
- FEBRUARY 3 AND 4. Classification for Evening Session.
FRIDAY AND SATURDAY, DAY
AND EVENING
- FEBRUARY 6, MONDAY. Classes for Day and Evening Sessions begin. (Division
A in co-operative engineering.)
- FEBRUARY 22, WEDNESDAY. Washington's Birthday—a holiday.
- MARCH 30, 31, APRIL 1. Final examinations for Division A in co-operative
THURSDAY, FRIDAY, SATURDAY engineering.
- APRIL 3. Classes begin for Division B in co-operative engineering.
MONDAY
- APRIL 10-15 INCLUSIVE. Spring recess.
MONDAY TO SATURDAY
- APRIL 17, MONDAY. Classes resume in Day and Evening Sessions.
- MAY 13, SATURDAY. Examinations for candidates for graduate degrees with
major or minor in psychology.
- MAY 20, SATURDAY. Examinations for candidates for graduate degrees with
major or minor in education.
Qualifying examination for prospective teachers.
- MAY 29, MONDAY. Sophomore examinations, and graduate examinations
in fields other than psychology or education.
- MAY 29, 31, JUNE 1, 3, 6. Semester final examinations for Evening Session.
MONDAY, WEDNESDAY, THURSDAY,
SATURDAY, TUESDAY
- MAY 30, TUESDAY. Memorial Day.
- MAY 31, WEDNESDAY. General Final Examinations for seniors.
- JUNE 1, THURSDAY. May Day.
- JUNE 2, FRIDAY. R. O. T. C. Annual Inspection.
- JUNE 3, SATURDAY. Sophomore Examinations.
- JUNE 5 TO 10 INCLUSIVE. Semester final examinations in Day Session.
- JUNE 8 TO 10 INCLUSIVE. Final examinations for Division B in co-operative
THURSDAY, FRIDAY, SATURDAY engineering.
- JUNE 11, SUNDAY. Baccalaureate Service.
- JUNE 13, TUESDAY. Commencement.
- JUNE 16, FRIDAY. Examinations for admission.
- JUNE 19, MONDAY. Registration for Summer Session.
- JUNE 20, TUESDAY. Summer Session begins.

BOARD OF DIRECTORS

TERM EXPIRES JANUARY 1, 1940

P. W. LITCHFIELD1144 East Market Street
 CLETUS G. ROETZEL1110 First-Central Tower
 HURL J. ALBRECHT750 East Tallmadge Avenue

TERM EXPIRES JANUARY 1, 1942

MRS. T. A. CHITTENDEN570 Glenwood Avenue
 JAMES W. SCHADE500 South Main Street
 FRANK S. CARPENTER191 South Main Street

TERM EXPIRES JANUARY 1, 1944

JOHN W. THOMAS1278 South Main Street
 LEE J. FERBSTEINSecond National Building
 L. G. TIGHE41 North Main Street

COMMITTEES FOR 1938

Finance and Investments

SCHADE, ALBRECHT, FERBSTEIN, CARPENTER, THOMAS, *ex-officio*

Buildings and Grounds

ROETZEL, LITCHFIELD, CHITTENDEN, TIGHE, THOMAS, *ex-officio*

ADMINISTRATIVE OFFICERS OF
 THE UNIVERSITY

H. E. SIMMONS, D.Sc., LL.D. *President of the University*
 *A. I. SPANTON, M.A. *Vice President of the Faculty and
 Dean of Buchtel College of Liberal Arts*
 CHARLES BULGER, Ph.D. *Dean of Graduate Study and Acting Dean of
 Buchtel College of Liberal Arts*
 FREDERIC E. AYER, C.E. *Dean of the College of Engineering*
 HOWARD R. EVANS, Ph.D. *Dean of the College of Education*
 DONFRED H. GARDNER, M.A. *Dean of Students*
 LESLIE P. HARDY, M.S.Ed. *Director of Adult Education, including
 Evening and Summer Sessions*
 MAXWELL P. BOGGS, A.B. *Treasurer of the University*
 RICHARD H. SCHMIDT, M.A. *Registrar*
 JOSEPHINE A. CUSHMAN, B.L.S. *Librarian*
 HELEN C. BATTRICK, B.A., M.A. *Adviser of Women*
 PHILIP S. SHERMAN, B.A. *Adviser of Men*
 ULYSSES S. VANCE, A.B. *University Editor*
 JAMES W. AIKEN, B.S. *Director of Athletics*
 EBBA LARSON *Assistant Registrar*
 CECIL ROGERS, B.S.Bus.ADM. *Assistant Treasurer*
 SHERMAN O. SCHUMACHER, A.B. *Alumni Secretary*

*On leave the second semester of 1937-38.

UNIVERSITY FACULTY AND ASSISTANTS

1937-1938

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

- HEZZLETON E. SIMMONS, *President of the University* (1910)
B.S., Buchtel College; M.S., University of Pennsylvania; D.Sc., College of Wooster; LL.D., University of Toledo.
- PAUL ACQUARONE, *Associate Professor of Botany and Geology* (1931)
B.S., Pennsylvania State College; Ph.D., Johns Hopkins, 1929.
- JOHN ADENDORFF, *Professor of Industrial Engineering* (1929)
M.E., Cornell University, 1907.
- JAMES W. AIKEN, *Director of Athletics* (1936)
B.S., Washington and Jefferson College, 1923.
- UDO ALBRECHT, *Instructor in Modern Languages* (1931)
A.B., University of Akron; M.A., Western Reserve University, 1937.
- DAVID E. ANDERSON, *Director of City Testing Laboratory and Assistant Professor of Chemistry* (1923)
A.B., Augustana College; M.S., University of Chicago, 1923.
- FREDERIC E. AYER, *Dean of the College of Engineering* (1914)
C.E., Lafayette College, 1900.
- MRS. JANE S. BARNHARDT, *Associate Professor of Art* (June, 1923)
B.E., M.Ed. 1930, University of Akron.
- HELEN C. BATTRICK, *Adviser of Women and Instructor in Social Science* (1937)
A.B., Ohio University; A.M., Columbia University, 1929.
- HARRY A. BENDER, *Associate Professor of Mathematics* (1928)
A.B., Ohio University; A.M., Ph.D. 1923, University of Illinois.
- PAUL O. BIXLER, *Assistant Director of Athletics* (1936)
A.B., Mount Union College, 1929.
- MAXWELL P. BOGGS, *Treasurer of the University* (March, 1927)
A.B., Muskingum College, 1924.
- WILLIAM E. BROWN, *Instructor in Military Science and Tactics* (December, 1936)
Staff Sergeant, Infantry, U.S.A.
- *CHARLES BULGER, *Dean of Graduate Study, Acting Dean of Buchtel College of Liberal Arts, and Professor of Modern Languages* (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, *Assistant Professor of Art* (1927)
B.E., M.Ed. 1931, University of Akron.
- JAMES M. CAMPBELL, *Special Teacher of Violin, and Director of the University Orchestra* (1933).
Instructor in English in the Evening Session.
B.A., University of Akron; M.A., Western Reserve University, 1938.
- WALTER A. COOK, *Professor of Chemistry* (1926)
B.A., M.A., Ph.D. 1924, University of Cincinnati.
- RAYMOND D. COOL, *Assistant Professor of Chemistry* (1934)
B.S., Bridgewater College; M.S., Ph.D. 1928, University of Virginia.
- HOWARD I. CRAMER, *Assistant Professor of Chemistry* (1933)
B.S., University of Akron; M.S., Ph.D. 1929, University of Wisconsin.
- EARL W. CRECRAFT, *Professor of Political Science, and Chairman of the Division of Social Science* (1919)
Ph.B., Franklin College; A.M., Ph.D. 1915, Columbia University; LL.D., Franklin College, 1934.
- EARL H. DAVIS, *Instructor in Accounting* (1937)
B.A., University of Akron, 1936.
- HARMON O. DE GRAPP, *Professor of Sociology* (1930)
B.A.M.A. State University of Iowa, Ph.D., University of Chicago, 1926.

*Acting Dean of Buchtel College of Liberal Arts the second semester

- HJALMER W. DISTAD, *Associate Professor of Elementary Education* (1934)
B.S.Ed., M.A., Ph.D. 1926, University of Minnesota.
- HOWARD M. DOUTT, *Professor of Secretarial Science* (1926)
A.B., University of Akron; A.M., University of Chicago, 1934.
- DALLAS L. DOWNING, *Assistant Professor of Vocational Education* (1937)
A.B., Indiana State Teachers College; A.M., Columbia University, 1928.
- SARAH DUNCKLEY DREIBACH, *Assistant Professor of Physical Education* (1921)
B.S., M.S.Ed. 1931, University of Akron.
- ROSS C. DURST, *Professor of Civil Engineering* (1917)
B.S.C.E., C.E. 1922, Ohio Northern University.
- ELMER ENDE, *Assistant Professor of Music* (1930)
B.Mus., American Conservatory of Music, Chicago; M.A., Ohio State University, 1930.
- HOWARD R. EVANS, *Dean of the College of Education, and Professor of School Administration* (1929)
A.B., Indiana State Teachers College; M.A., Columbia University; Ph.D., Northwestern University, 1930.
- MARGARET F. FANNING, *Assistant Professor of Modern Languages* (1927)
A.B., University of Akron; A.M., Radcliffe College, 1926.
- ELDORA FLINT, *Assistant Professor of Secretarial Science* (1929)
B.Ed., University of Akron; M.S.Ed., Syracuse University, 1935.
- CARROLL W. FORD, *Assistant Professor of Economics* (1936)
A.B., Ph.D. 1936, Cornell University.
- OMER R. FOUTS, *Assistant Professor of Physics* (1926)
A.B., Wittenberg College; A.M., Ohio State University, 1925.
- ROLLAND D. FOX, *Associate Professor of Bacteriology (part-time)* (1921)
B.S., M.S. 1923, University of Akron.
- DONFRED H. GARDNER, *Dean of Students and Professor of History* (1924)
A.B., A.M. 1923, Princeton University.
- BURTON A. GARLINGHOUSE, *Director of Glee Clubs* (1933)
A.B., University of Michigan, 1920.
- WALTER A. GILMOUR, *Professor of Co-ordination* (1922)
B.S.C.E., Norwich University, 1914.
- JAMES W. GLENNEN, *Instructor in Modern Languages* (1934)
A.B., University of Akron; A.M., Western Reserve University, 1934.
- DWIGHT E. GRAY, *Assistant Professor of Physics; Director of Introductory Courses in Natural Science* (1932)
A.B., Muskingum College; A.M., Ph.D. 1932, Ohio State University.
- FRED S. GRIFFIN, *Professor of Mechanical Engineering* (1921)
M.E., Ohio State University, 1911.
- JAMES M. GRIMES, *Instructor in History* (1936)
A.B., M.A. 1933, University of North Carolina.
- EUGENE GEORGE HAAS, *Assistant Professor of Chemistry* (January, 1929)
B.S., University of Akron; M.S., University of Toronto; Ph.D., University of Pittsburgh, 1935.
- HARLAN W. HAMILTON, *Assistant Professor of English* (1937)
A.B., Oberlin; M.A., Columbia University; Ph.D., Cornell University, 1934.
- LOUIS F. HAMPPEL, *Assistant Professor of Commerce and Business Administration* (February, 1933)
B.S. in Commerce, University of Akron; M.B.A., Northwestern University, 1931.
- LESLIE P. HARDY, *Director of Adult Education* (1934)
B.S.Ed., Kent State University; M.S.Ed., University of Akron, 1935.
- GEORGE L. HAYES, *Professor of Psychology* (1921)
Ph.B., Ohio University; A.M., Ph.D. 1921, University of Pittsburgh.

- THOMAS C. HILLIARD, *Instructor in Accounting* (1935)
A.B., Nebraska State Teachers College; M.A., University of Nebraska, 1935.
- ORVILLE A. HITCHCOCK, *Professor of Speech* (1937)
A.B., Pennsylvania State College; M.A., Ph.D. 1936, University of Iowa.
- FRED F. HOUSEHOLDER, *Professor of Physics, and Chairman of the Division of Natural Science* (1918)
B.A., M.A. 1916, University of Wisconsin.
- ROSSER L. HUNTER, *Professor of Military Science and Tactics* (1935)
LL.B., George Washington University, 1916; Major, Infantry, U.S.A.
- EDGAR P. JONES, *Assistant Professor of 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, *Assistant Professor of English and Director of the Introductory Course in the Humanities* (1931)
A.B., A.M. 1933, University of Akron.
- CLARA M. KEMLER, *Associate Professor of Primary-Elementary Education* (1928)
A.B., A.M. 1926, Wittenberg College.
- BLAISDELL C. KENNON, *Assistant Professor of Military Science and Tactics*
Major, Infantry, U.S.A.
- DAVID KING, *Assistant Professor of Political Science* (1927)
A.B., Maryville College; A.M., University of Chicago, 1925.
- CHARLES M. KNIGHT, *Professor Emeritus of Chemistry*
A.M., Tufts College; D.Sc., Buchtel College, 1897.
- 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)
Attended the University of Akron.
- ELIZABETH A. LATHROP, *Assistant Professor of Home Economics* (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 (1934).
- WARREN W. LEIGH, *Professor of Commerce and Business Administration* (1926)
A.B., University of Utah; M.B.A., Ph.D. 1936, Northwestern University.
- MISS WILL LIPSCOMBE, *Assistant Professor of Mathematics* (1921)
B.S., Florida State College; M.S., Ohio State University, 1926.
- MABEL LOCKE, *Instructor in Physical Education* (1936)
B.S.Ed., Northwestern University; M.S., University of Wisconsin, 1936.
- PHIL LOFINK, *Instructor in Military Science and Tactics* (1935)
Sergeant, Infantry, U.S.A.
- HAROLD T. MCKEE, *Assistant Professor of Business Administration* (1929)
B.S., M.A. 1929, University of Pittsburgh.
- AUSTIN L. MOORE, *Instructor in History* (1936)
A.B., Oberlin College; A.M., Columbia University, 1924.
- JAY L. O'HARA, *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 University; Ph.D., University of Wisconsin, 1921.

- MRS. RUTH PUTMAN, *Instructor in English* (1934)
A.B., Howard College, 1922.
- MAXINE DYE RABE, *Assistant Professor of Speech* (1930)
A.B., Penn College; M.A., University of Wisconsin, 1930.
- RUTH MARGUERITE RAW, *Assistant Professor of English* (1929)
A.B., A.M., Hiram College; A.M., Columbia University, 1924.
- EVAN REED, *Instructor in Business Law* (part-time, 1937)
A.B., J.D. 1933, University of Michigan.
- KATHARINE M. REED, *Associate Professor of Modern Languages* (1918)
B.A., Newcomb College; M.A., Tulane University, 1903.
- HARRISON S. RICE, *Instructor in Military Science and Tactics* (December, 1937)
Sergeant, Infantry, U.S.A.
- JAMES V. RICE, *Instructor in Modern Languages* (1936)
B.A., Ohio State University; M.A., University of Michigan; Ph.D., Johns Hopkins University, 1935.
- GENEVIEVE RIDER, *Assistant Professor of Public School Music* (1928)
B.M.Ed., Northwestern University; M.A., Western Reserve University, 1935.
- EDGAR C. ROBERTS, *Assistant Professor of English* (1926)
B.S.Ed., M.A. 1924, Ohio State University.
- NEWTON OWEN SAPPINGTON, *Professor of History* (1932)
A.B. Emory; M.A., University of North Carolina; Ph.D., University of Wisconsin, 1932.
- ERNEST F. SCHAEFFER, *Assistant Professor of Vocational Education* (Employee Training in Industry) (1921)
B.E.M., Ohio State University, 1918.
- RICHARD H. SCHMIDT, *Registrar* (April, 1918)
A.B., Wesleyan University; M.A., Columbia University, 1915.
- FREDERICK S. SEPTON, *Professor of Physical Education* (1915)
B.S., Colgate; M.Ed., Harvard, 1925.
- SAMUEL SELBY, *Associate Professor of Mathematics* (1927)
A.B., A.M., University of Manitoba; Ph.D., University of Chicago, 1929.
- MRS. LUCY T. SELF, *Instructor in Secretarial Science* (February, 1933)
A.B., Ohio Wesleyan University, 1920.
- ROY V. SHERMAN, *Associate Professor of Political Science; Director of Introductory Courses in Social Science* (1929)
A.B., A.M., Ph.D. 1927, State University of Iowa.
- PHILIP S. SHERMAN, *Adviser of Men and Instructor in Economics* (1937)
B.A., University of Akron, 1936.
- 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.E.E., Purdue University, 1917.
- NELSON S. SNYDER, *Instructor in Education* (1927)
A.B., Mount Union College; A.M., University of Akron, 1927; LL.B., Akron Law School, 1931.
- *ALBERT I. SPANTON, *Dean of Buchtel College of Liberal Arts, Vice President of the Faculty, and Professor of English* (1900)
A.B., Buchtel College; A.M., Harvard University, 1905.
- ROSS STAGNER, *Assistant Professor of Psychology* (1935)
A.B., Washington University, St. Louis; M.A., Ph.D. 1932, University of Wisconsin.
- JOHN F. STEIN, *Special Teacher of Voice* (1933)
Private instruction with Herbert Witherspoon, Enrico Rosati, Graham Reed of Chicago Musical College, and Maria Kurenko.
- CLIFFORD STICKNEY, *Instructor in English* (1927)
B.A., M.A. 1928, University of Illinois.
- ROBERT W. SUMMERSGILL, *Instructor in Secretarial Science* (1937)
B.S. in Commerce, Grove City College, 1933.

*On leave the second semester 1937-38.

- MILDRED L. SWIFT, *Professor of Home Economics* (1936)
B.S., Russell Sage College; M.S., Cornell University.
- JOSEPH R. STROBEL, *Assistant Professor of Vocational Education (Teacher improvement for Trades and Industries)* (1936)
B.S., M.A. 1936, Western Reserve University.
- AUDRA TENNEY, *Assistant Professor of Secretarial Science* (1926)
A.B., University of Akron; M.A., New York University, 1936.
- RAYBURN D. TOUSLEY, *Assistant Professor of Business Administration* (1937)
B.S., Bus. Adm., A.M. 1933, University of Missouri.
- CLARENCE R. UPP, *Associate Professor of Mechanical Engineering* (1925)
M.E., Ohio State University, 1910.
- ULYSES S. VANCE, *University Editor* (1923)
A.B., State University of Iowa, 1923.
- DONALD S. VARLAN, *Instructor in Speech* (1934)
A.B., A.M. 1934, University of Wisconsin.
- RAYMOND E. VERMETTE, *Assistant Professor of Military Science and Tactics* (1937)
Major, Infantry, U.S.A.
- JOHN T. WALTHER, *Professor of Electrical Engineering* (1920)
B.S.E.E., University of Michigan, 1909.
- MRS. FLORENCE N. WHITNEY, *Instructor in English* (1936)
A.B., Dakota Wesleyan; A.M., Columbia University, 1913.
- RENA WILLS, *Special Teacher of Piano* (1934)
New England Conservatory, Boston, Mass., three years; Leipzig, Germany, three years.
- EARL R. WILSON, *Assistant Professor of Engineering Drawing* (1929)
B.M.E., Ohio State University, 1916.
- **JAMES WISHART, *Instructor in English* (1935)
A.B., College of Wooster; M.A., Princeton, 1932.
- CARY C. WOOD, *Professor of Philosophy* (1928)
B.S., Ohio University; A.M., Columbia University; Ph.D., University of Cincinnati, 1928.
- ARTHUR M. YOUNG, *Professor of Latin and Greek, and Chairman of the Division of Humanities* (1930)
A.B., A.M., Ph.D. 1930, Harvard University.

LIBRARY STAFF

- JOSEPHINE A. CUSHMAN, *Librarian* (August, 1919)
Ph.B., University of Akron; B.L.S., University of Illinois, 1919.
- ETHEL S. KLAHRE, *Circulation Librarian* (1928)
A.B., University of Akron; B.L.S., Western Reserve University; 1928.
- VIVIEN MCCARTHY SUTTON, *Cataloger* (1927)
Certificate, Tuscarawas County Normal School; Diploma, Chautauqua School for Librarians, 1927.
- MARY GRACE HARRINGTON, *Circulation Assistant* (1932)
A.B., University of Akron, 1932.
- MARY ELIZABETH METZGER, *Circulation Assistant* (1935)
A.B., University of Akron, 1935.
- MARTHA BONNETT, *Assistant in charge of the General College Room* (1935)
A.B., Ohio State University; B.S.L.S., Western Reserve University (1934).
- ELBIE HENNIGAR, *Reserve Room Assistant* (1936)
A.B., University of Michigan; B.L.S., University of Illinois, 1936.
- DOROTHY HAMLIN MCRREE, *Assistant in the General College Room* (February, 1936)
A.B., University of Akron, 1928.
- EVELYN MARIE RAITZ, *Order Librarian* (1937)
A.B., University of Toledo; B.L.S., Western Reserve University, 1937.

**Resigned February 1, 1938.

ASSISTANTS

- BEN KALMON, *Graduate Assistant in Physics*
B.S., University of Akron, 1936.
- RALPH H. CASTON, *Graduate Assistant in Physics*
B.S., University of Akron, 1937.
- ELEANOR MAE MUELLER, *Graduate Assistant in Biology*
B.S., University of Akron, 1937.
- MILO D. MAMULA, *Assistant in Chemistry Laboratory*
Undergraduate work at the University of Pittsburgh.

FELLOWS IN CHEMISTRY

- JAMES P. FERREY, *Firestone Tire and Rubber Company*
B.S., Virginia Military Institute.
- MORRIS H. LAATSCH, JR., *Goodyear Tire and Rubber Company*
B.S., Alabama Polytechnic Institute.

UNIVERSITY HEALTH SERVICE

- WILBUR C. ROBERT, M.D. *University Physician*
- MRS. EMMA HENRY. *Nurse*

THE DANIEL GUGGENHEIM AIRSHIP INSTITUTE

- THEODOR TROLLER, *Director*
Ph.D., Aachen Institute of Technology, Germany.
- THEODOR VON KARMAN, PH.D., *Technical Consultant*
On the staff of the California Institute of Technology.

PART-TIME INSTRUCTIONAL STAFF

(Not on the regular Day Session Staff)

SUMMER SESSION—1937

Visiting Lecturers (part-time)

- DR. W. H. COWLEY. *Student Personnel Work*
Bureau of Educational Research, Ohio State University.
- DR. FRANKLIN H. MCNUTT. *Preparation and Certification of Teachers*
Director of Division of Higher Education and Certification of the State of Ohio Department of Education.
- DR. HENRY C. MORRISON. *Fundamental Needs in American Educational Institutions*
Lecturer and Consultant; Professor of Education at the University of Chicago.
- PLINY H. POWERS. *The City Superintendent*
First Assistant Superintendent of Cleveland Public Schools

The Coaching School—June 21-25

- LYNN O. WALDORF, *Football Coach at Northwestern University, Evanston, Illinois.*
- PAUL D. HINKLE, *Basketball Coach at Butler University, Indianapolis, Indiana.*

Others—Six Weeks Session

- MRS. JENNIE H. ADAMS, B.E., M.A. *Education*
Principal, Lawndale School, Akron.
- WILLIS H. EDMUND, B.S., M.A. *Municipal and Industrial Recreation*
Recreational Director, City of Akron.
- L. L. EVERETT, B.S. *School Management*
Barberton Public Schools.
- RAYMOND D. FISHER, A.B., M.A., PH.D. *Methods*
Oberlin College, Oberlin, Ohio.
- U. L. LIGHT, B.S., PH.B. *Education*
Superintendent of Schools, Barberton, Ohio.

DOROTHY RIDLER, B.S.	Nutrition
Western Reserve University, Cleveland, Ohio.	
MRS. MILDRED ROBERTS ETLING, B.ED., M.A.	Nursery School
Barberton, Ohio.	
FRANCES EVERHART, B.S. IN ED.	Activity School
Cleveland, Ohio.	
EMILY GIBSON, A.B.	Activity School
Akron Public School System.	
HILDA STOCKER, B.S. IN ED.	Activity School
Cleveland, Ohio.	

Critic Teachers—1937 Summer Session

RUTH CHAMBERLIN	Barberton	MABEL RIEDINGER	Buchtel High, Akron
L. L. EVERETT	Barberton	CLIFFORD ROLL	Grace, Akron
MRS. BEULAH HUDSON	Buchtel High, Akron	NORA SANTRUCK	Barberton
CARLYLE LOVWELL	Garfield High, Akron	RUTH TROMMER	Buchtel High, Akron
FRANCIS MULL	Kenmore, Akron	JOHN WHITE	South High, Akron
WILBUR PFIFFER	Garfield High, Akron	FLORENCE WOODBELL	Buchtel High, Akron
DORIS PITTENGER	West High, Akron	DAVID ZOOK	South High, Akron
MARY PUSATERI	South High, Akron		

EVENING SESSION—1937-38

RALPH C. BUBBEY	Advertising
Advertising and Merchandising Counselor, Akron.	
JAMES M. CAMPBELL	English
B.A., University of Akron; M.A., Western Reserve University, 1938.	
JEANNE E. COHEN	Business English
B.S.Sec.Sci., University of Akron, 1935.	
ROBERT S. CURL	Engineering
B.S. in Chem. Eng'g, Case School of Applied Science.	
MARTHA M. DODGE	Advanced Shorthand and Typing
B.Ed., Whitewater State Teachers College, Wisconsin.	
WILLIS H. EDMUND	Organization and Administration of Municipal Recreation
B.S., Ohio State University; M.A., New York University.	
L. ADRIAN FRENCH	Commercial Art
A.B., University of Akron, 1927; Graduate of Chicago Art Institute.	
HUBERT GROVE	Metallurgy
B.M.E., Ohio State University; M.S., 1932.	
CARL H. HAMBURGER	Handcrafts in Elementary School
B.S.Ed., Kent State University, 1933.	
FLOYD HERSH	Accounting
Employed at the Firestone Tire and Rubber Company.	
EUGENE M. HINTON	Introduction to Education
A.B., Central College; M.A., University of Chicago, 1922.	
ARTHUR M. KRUSE	Community Organization
A.B., University of Akron; M.A., Syracuse University.	
MRS. NELLIE MILLER LEISY	Shorthand
A.B., M.A.Ed. 1935, University of Akron.	
ANDREW D. MACLACHLIN	Engineering Drawing
B.S., M.E., Massachusetts Institute of Technology.	
JOHN J. MEEKS	Commerce
Graduate of LaSalle Extension School, Chicago, Ill.	
THOMAS M. POWERS	Business Law
A.B., Cornell University; LL.B., Cleveland Law School, 1925.	
MARY RIBLET	Art
B.E., Cleveland School of Art, 1919.	
DOROTHY RIDLER	General Foods and Nutrition
B.S., Western Reserve University.	
PAUL ROKUS	Shop Mathematics
M.E., University of Akron, 1934.	
FRANCIS STAFFORD	Engineering
C.E., University of Akron, 1931.	

JOHN F. STEIN	Voice Class
Special Teacher of Voice in the Day Session.	
ERNEST R. STOTLER	Engineering
B.S., Bradley Polytechnic Institute; M.A., Columbia University.	
LEWIS C. TURNER	Public Speaking
A.B., Hiram; M.A., University of Akron, 1929.	
ERNEST A. TABLER	Mathematics
B.S., Kent State University; M.A., Western Reserve University, 1933.	
GEORGE W. THOMPSON	Sociology
Attended University of Indiana.	
KENNETH D. WELLS	Credits and Collections
Wells and Company, Akron, Ohio	
CYRIL WOOLCOCK	Education
B.E., M.Ed., University of Akron.	
ALBERT YOUNG	Advanced Commercial Art
B.E.A., Cleveland School of Art, 1926.	
ALYS ROYSHER YOUNG	Art
B.E.A., Cleveland School of Art.	

Assistants

CHARLES GIEGEL	Laboratory Assistant in Accounting
JOHN GRIFFITHS	Laboratory Assistant in Accounting
FRED G. KLEIN	Laboratory Assistant in Accounting

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

EXECUTIVE OFFICERS

RALPH H. WATERHOUSE, B.S.	Superintendent of Schools
OTIS C. HATTON, M.A.	First Assistant Superintendent of Schools

CRITIC TEACHERS

ROSE ANERN, B.Ed.	Forest Hill	MRS. CARRIE LEONARD	Lincoln
DAVID APPEBY, B.Ed.	Buchtel High	OTIS MAXWELL, A.B., B.E.	Buchtel High
FLORENCE BABE, M.A.	Central High	MRS. LUCILLE McCONNELL	Harris
WALTER BANKS	Schumacher	EMMA MITCHELL, B.S.	Jennings High
MRS. MARGUERITE BAUMGARDNER	Crosby	SARA MOONEY, B.E.	Buchtel High
CHARLES E. BRYANT, JR., A.B.	Central High	LILA NEAL	Crouse
CLIFFORD CASENHEIMER, B.Ed.	Robinson	BLANCHE PEASE	Grace
ANNABELLE CHALFANT, M.A.	Central High	HELEN PFAHL, Ph.B.	Buchtel High
MRS. SARAH COMPHER, M.A.	East High	DORIS PITTINGER, A.B.	West High
MRS. MARION CORNELL	Fraunfelter	MRS. VYNITA PLANT	Lincoln
HARRY DAITCH, B.Ed.	King	HELEN POE	Garfield
WILLIAM DARULIS, B.Ed.	Bryan	MRS. FLORENCE PORTER, B.A., B.Ed.	Buchtel
MRS. RUTH DEAN	South High	HARRY REED, B.A.	Buchtel
ANNE DOBBINS, B.E.	Fraunfelter	MARY REED, M.A.	North High
MARTHA DODGE, B.Ed.	East High	MRS. GRACE RICHARDSON, B.S.	Central High
MARY DURE, B.A., B.S.	West High	EMILY ROE, B.C.S., B.S.E., M.A.	South High
FLORENCE FRENCH, B.A.	Garfield High	I. CLIFFORD ROLL, B.A.	Grace
FRANCES GIBBS	Schumacher	MARTHA RYLANDER	Portage Path
MARY GRAHAM, B.S., M.A.	Schumacher	WILLIAM SATTERLEE	South High
ALICE GREEN, A.B., M.A.Ed.	East High	MRS. ELIZABETH SCHMIDT, B.A.	Buchtel High
RUTH HAINEB, M.Ed.	Robinson	MRS. JANET SCHULTZ, B.E.	Schumacher
MABEL HARRIS	Grace	RUTH SEYMOUR, M.A.Ed.	Central High
MARJORIE HARRY, B.Ed.	Barber	MRS. ELSA SHAFER, M.Ed.	Central High
HENRY HORST, M.A.Ed.	West High	MRS. EVELYN SILLS	Itinerant
MRS. CYNTHIA HOUGH	Portage Path	BEATRICE SINGER	Forest Hill
LENA JOHNSON, Ph.B., M.A.	Central High	LUTHER SMITH, A.B.	East High
OLGA JOHNSON	East High	ETHEL STARR, B.E.	Findley
CYRIL JONES, M.A.Ed.	East High	MRS. ORA STEIGNER	Portage Path
RUTH KIEFER, B.E.	Lincoln	MRS. CHARLOTTE STRAUSSER	Bryan
ELIZABETH KERR, M.Ed.	Rankin	MRS. GRACE THOMPSON	Jennings
MRS. FLORENCE KILINEN	West High	JAMES TUCKER, M.Ed.	West High
MARJORIE KING, B.Ed.	Henry	MRS. EMMA WALCZAK, M.Ed.	Pirestone
ROSE KRAUS, B.Ed.	Jackson	RUTH WEAN, B.A.	South High
MARY KUNDEL	Lincoln	DOROTHY WHITTINGTON, Ph.B., M.A.	Buchtel High
VESTA LEIGHT	Spicer		

COMMITTEES OF THE UNIVERSITY FACULTY 1937-1938

EXECUTIVE

SIMMONS, SPANTON, AYER, EVANS, C. BULGER, GARDNER, HARDY, WEEKS (SECRETARY)

COMMITTEE OF DEANS

SPANTON, AYER, EVANS, C. BULGER

THE ADMINISTRATION OF THE GENERAL COLLEGE

GARDNER, SCHMIDT

ADMISSIONS AND ADVANCED STANDING

SCHMIDT, SPANTON, AYER, EVANS, C. BULGER, GARDNER, HARDY

CLASSIFICATION

(Mr. SCHMIDT, as Registrar, is Chairman)

Buchtel College of Liberal Arts . . . SCHMIDT, SPANTON, AND CHAIRMEN OF DIVISIONS*The College of Engineering* SCHMIDT, AYER, GILMOUR AND HEADS OF DEPARTMENTS*The College of Education* SCHMIDT, EVANS, AND ALL MEMBERS OF THE COLLEGE OF
EDUCATION FACULTY*The General College* SCHMIDT, GARDNER*The Division of Adult Education* . SCHMIDT, HARDY, AND HEADS OF DEPARTMENTS OF ALL
COLLEGES*Graduate Study* SCHMIDT, C. BULGER

ATHLETICS

AYER, BOGGS, LEIGH, AIKEN, SAPPINGTON, WITWER, (ex officio)

LIBRARY

CUSHMAN, SPANTON, AYER, EVANS, C. BULGER

IMPROVEMENT OF COLLEGE TEACHING

EVANS, YOUNG, LEIGH, O'HARA

METHODS OF TESTING IN THE GENERAL COLLEGE

EVANS, SCHMIDT, R. V. SHERMAN, GARDNER, DISTAD, STAGNER, GRAY, HAMILTON,
AND KEISTER

DISCIPLINE

SIMMONS, SPANTON, AYER, EVANS (Members ex-officio: GARDNER, PRESIDENT OF THE
STUDENT COUNCIL, AND PRESIDENT OF THE WOMEN'S LEAGUE)

EXTRA-CURRICULAR ACTIVITIES

GARDNER, VANCE, HARDY, ROGERS, VARIAN, GARLINGHOUSE, BATTRICK, P. S. SHERMAN,
PRESIDENT OF THE STUDENT COUNCIL, PRESIDENT OF THE WOMEN'S LEAGUE.

ASSEMBLY

BATTRICK, P. S. SHERMAN, HITCHCOCK, ENDE, C. ROGERS, PRESIDENT OF THE STUDENT
COUNCIL, AND PRESIDENT OF THE WOMEN'S LEAGUE

ADULT EDUCATION—ADVISORY

HARDY, SPANTON, AYER, EVANS, C. BULGER

STUDENT LOAN COMMITTEE

BOGGS, BATTRICK, P. S. SHERMAN

ASHTON PRIZES

HITCHCOCK, BOGGS, RABE, KEISTER, KING

PIXLEY SCHOLARSHIPS

SCHMIDT, HITCHCOCK, ENDE, SPANTON, REED

GENERAL INFORMATION

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

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

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

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

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

PRESIDENTS OF BUCHTEL COLLEGE

*S. H. McCOLLESTER, 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., LL.D.	1933-

*Deceased.

ADMISSION TO THE UNIVERSITY

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

For a detailed statement, see under The General College.

ADMISSION FROM OTHER COLLEGES

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

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

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

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

REQUIREMENTS FOR DEGREES

Students on the full-time basis must present 128 semester hours with necessary quality points. *Students on the co-operative basis must present 142 semester hours with the necessary quality points.

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

DEGREE WITH DISTINCTION

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

*For class graduating in 1940. For classes graduating in 1939, follow the 1936 catalog.

GRADUATE STUDY AND THE MASTER'S DEGREE

The University of Akron offers graduate courses in certain colleges and departments, especially in the College of Education. Opportunity is offered properly qualified persons to study for a Master's degree.

EMPLOYMENT FOR STUDENTS

The Dean of Students endeavors to place students who are seeking employment by keeping them informed of opportunities which come to his office.

INTERCOLLEGIATE ATHLETICS

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

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 enrol in one or more of the scheduled activities.

ATHLETIC INJURIES

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

GYMNASIUM LOCKERS

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

THE UNIVERSITY HEALTH SERVICE

To provide for the student body necessary phases of health promotion not included in the field of physical education, the University Health Service has been established. Complete physical records and a follow-up system are maintained. The medical examinations conducted by the Health Service and the posture and physical efficiency tests conducted by the Department of Physical Education are combined. The University Physician is in his office at the gymnasium one and one-half hours each day, from 11:00 a. m. to 12:30 p. m. A registered nurse is on duty daily.

MILITARY SCIENCE AND TACTICS

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

STANDARDS

The University of Akron maintains high academic standards and is accredited by the North Central Association of Colleges and the Ohio College Association. It is a member of the American Council on Education, the Association of American Colleges, the Association of Urban Universities, and the American Association of Teachers Colleges. It is included in the approved list of the Association of American Universities for admission of graduates to graduate and professional schools, and is approved for pre-medical work by the American Medical Association. 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 eight classrooms; Carl F. Kolbe Hall, housing Bierce Library; Knight Chemical Laboratory; Crouse Gymnasium; R.O.T.C. Armory; Curtis Cottage, housing the department of home economics, including laboratories, and the Women's League Room; Phillips Hall, housing the art department; Olin Hall, at present occupied by the departments of biology and political science, with laboratories; and the central heating plant.

The Engineering Building, originally planned for engineering classes and laboratories, was remodeled in 1936-37 and a building adjoining it was erected. This addition has a frontage of 140 feet on Carroll Street and 60 feet on Sumner Street. The Engineering Building now occupies the entire southwest corner of the campus. The new portion is three stories high. The ground floor is occupied by the physics department and the offices of the Dean of the Engineering College. On the first floor, in addition to recitation rooms and offices, there is a large lecture room with a seating capacity of 300. The department of secretarial science and the department of commerce and business administration occupy the entire second floor. There are now 27 offices, 20 recitation rooms, and 10 laboratories in the Engineering Building.

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

The athletic field and stadium are situated about two blocks from the campus.

BIERCE LIBRARY

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

The library contains 47,644 cataloged volumes, about 13,024 pamphlets, and a considerable amount of other material (not counted) concerning the history of Buchtel College and the University of Akron.

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

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

THE DANIEL GUGGENHEIM AIRSHIP INSTITUTE

The Guggenheim Foundation for the Promotion of Aeronautics, established in 1926, by the late Daniel Guggenheim, made a gift in October, 1929, to the University of Akron and the California Institute of Technology jointly for the study of lighter-than-air problems. This gift was supplemented by a contribution from the City of Akron, especially for the erection of a suitable building.

The Guggenheim Airship Institute building, completed in 1932, is four stories in height and about 75 feet square. It is located at the northwest corner of the Municipal Airport.

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

THE CITY TESTING LABORATORY

The City Testing Laboratory was created January 1, 1914, by a proposal made by the Board of Directors and accepted by the Akron City Council. Until November, 1930, it was known as the Bureau of City Tests. Much of the chemical and physical testing work of the city is done in the laboratory. The facilities of the Knight Chemical Laboratory and the Engineering Laboratory are available for this work.

PRIZES, FELLOWSHIPS, SCHOLARSHIPS, HONORS, AND SPECIAL FUNDS

THE ASHTON PRIZES

A fund of \$3000 was established in 1887 by Oliver C. Ashton of Bryan, Ohio, endowing the O. C. Ashton Prizes for excellence in reading and speaking. Two oratorical contests are held annually, a General College contest in January and an Upper College contest in May. Three prizes are awarded at each contest, the amounts of the prizes depending upon the income available from the fund.

THE SENIOR ALUMNI PRIZE

A fund has been established by the Alumni Association for the purpose of awarding an annual cash prize of \$50 to that senior student who has completed the regular undergraduate curriculum with the highest average grade for the work taken, having carried an average load of 12 credit hours per semester.

THE DR. E. B. FOLTZ PRE-MEDICAL PRIZE

The Dr. E. B. Foltz Pre-Medical Prize of \$100 is awarded each year to that member of the graduating class who makes the highest average grade in all work taken in the four-year Pre-Medical Course and who plans to enter medical college the following year. The name of the winner is announced at Commencement but the actual award is not made until the winner has enrolled in medical college.

FELLOWSHIPS AND SCHOLARSHIPS

FIRESTONE AND GOODYEAR FELLOWSHIPS

Fellowships in the Department of Chemistry are offered by the Firestone Tire and Rubber Company and the Goodyear Tire and Rubber Company for the study of the chemistry and technology of rubber. These fellowships are open to graduates of standard American colleges and universities and are of the value of \$1000 per year, with remission of all University fees.

THE OHIO STATE UNIVERSITY GRADUATE SCHOLARSHIP

In the spring of 1935 a number of graduate scholarships were established by the Ohio State University, one to be assigned to each of the Ohio Colleges fully accredited by the North Central Association of Colleges and Secondary Schools. The scholarship entitles the student to the exemption of tuition and fees of all kinds except a matriculation fee. Selection is left to the individual colleges.

FRANK PIXLEY MEMORIAL FUND

The Frank Pixley Memorial Fund was established in 1931 by the will of Isabel McRoy Pixley, wife of Frank Pixley, class of 1887. The fund amounts to \$50,000, the income from which is used for the establishment of scholarships in drama, music and literature. The value of the scholarships varies annually to some degree, based upon the income available from the fund.

THE PIXLEY SCHOLARSHIPS

In accordance with the terms of the Pixley bequest, there are each semester awards for students of outstanding ability and promise in the fields of dramatics, literature, and music. To be eligible for one of these awards the student must be enrolled in an upper college or qualified to enter an upper college and must be a major in the department in which the

scholarship is awarded or, if a divisional major, in the humanities division. The awarding of these scholarships is made by a committee of which the Registrar is the chairman. To be eligible for a Pixley scholarship in music a student must have a quality point ratio of at least 2.5 in all work taken; for scholarships in dramatics or literature a ratio of at least 3. is expected. Applicants for these scholarships should bring their applications to the attention of the chairman of the committee before June 1 for the first semester of the following academic year and before February 1 for the second semester. Re-entering or transfer students must apply on or before September 1 for consideration.

THE RUTH DUGAN AERONAUTIC SCHOLARSHIP

One of the accomplishments credited to the Women's Chapter of the National Aeronautic Association is the Ruth Dugan Aeronautic Scholarship of \$100 a year to be awarded to that student who shall be accepted by the scholarship committee of the Akron Women's Chapter upon recommendation by the co-operating advisory committee of the University of Akron. Part of the work included in the course of study will be given at the University of Akron, and the necessary research will be carried on at the Daniel Guggenheim Airship Institute. The scholarship fund became available for the year 1936-37.

HONORARY FRATERNITIES

PHI SIGMA ALPHA

Phi Sigma Alpha is an honorary fraternity founded in 1910 to encourage high scholarship among the students of the Liberal Arts College. The requirements are as follows:

1. Only such courses as are taken in the Liberal Arts College or such courses as are regularly accredited in that college may be counted for standing in the fraternity.
2. A minimum of 108 hours for three and one-half years for those completing the regular four-year course, or of 77 hours for two and one-half years for students who have spent one year at another institution, are required.
3. All seniors who have maintained an average grade of not less than 90% (a quality point ratio of 3.25) during their three and one-half years are eligible for membership, provided that at least two and one-half years have been taken in Buchtel College of Liberal Arts.
4. Juniors who have completed two and one-half years of work in Buchtel College of Liberal Arts with the average grade not less than 92% (a quality point ratio of 3.5) shall be eligible for membership.
5. Those seniors who may have entered the institution at mid-year as freshmen and who have remained three years in Buchtel College are also eligible, the required number of scholarship hours being 96.
6. Average scholarship is reckoned as a whole, not specialization.

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.

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.

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

THE UNIVERSITY OF AKRON

SIGMA THETA TAU

Sigma Theta Tau, local honorary fraternity, was organized to encourage high scholarship in Secretarial Science, to inspire the development of desirable personal qualities, and to promote participation in social and civic activities. Membership is limited to juniors, seniors, or graduate students with a general scholastic average of 2.5.

TAU KAPPA PHI

Delta Sigma Phi, honorary fraternity in Home Economics, active from 1921 until 1926, was reorganized in 1933 as Tau Kappa Phi. 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.

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 are received at the office of the Dean of Students prior to the opening of each semester, and upon emergencies, during the school year.

THE KATHERINE CLAYPOLE LOAN FUND

This fund was established by a number of women's organizations of the city and dedicated as a memorial to Mrs. Katherine Claypole, wife of Dr. E. W. Claypole, former Professor of Natural Science at Buchtel College. The principal of the fund is lent to students "who in mid-semester, as often happens, find themselves without sufficient means to complete the year's work."

THE 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.

EVENING SESSION LOAN FUND

By voluntary contributions each semester since February, 1933, the Evening students have accumulated this fund to aid Evening Session students. Loans are made for short periods to students who have attended this division of the University for at least one year.

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 upper-classmen 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 specializing in music for the payment of fees.

FEES AND EXPENSES

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

CLASSIFICATION OF CHARGES

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* is payable in connection with the 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.

SUMMARY STATEMENT

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

FEES FOR FIRST SEMESTER

Tuition fee, for non-residents of Akron	\$ 90.00
Maintenance fee, for all students	35.00
Student activity fee, for all students	7.00
Library fee	1.50
Total for non-residents of Akron	\$133.50
Total for residents of Akron	43.50

FEES FOR SECOND SEMESTER

Tuition fee, for non-residents of Akron	\$ 90.00
Maintenance fee, for all students	35.00
Student activity fee, for all students	3.00
Library fee	1.50
Total for non-residents of Akron	\$129.50
Total for residents of Akron	39.50

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

TUITION

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 non-resident students in the Day Session:	Each Semester
For 1 to 5 credit hours inclusive, per credit hour	\$ 6.00
For 6 credit hours	35.00
For 7 credit hours	50.00
For 8 credit hours	60.00
For 9 credit hours	70.00
For 10 credit hours	80.00
For 11 credit hours or more	90.00
Cooperative Engineering Students (alternating by 9-week periods).....	60.00

Payable only by non-resident students in the Evening Session:

For less than 7 hours	No charge
For 7 to 10 hours inclusive, per credit hour in excess of 6 credit hours	20.00
For 11 credit hours or more	90.00

Summer Session

No charge

MAINTENANCE FEES

Payable by all students both resident and non-resident in the Day and Evening Sessions:

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

Cooperative Engineering Students (alternating by 9-week periods)..... 25.00

Payable by all students in the Evening Session and by Smith-Hughes registrants:

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 time of application for degree)

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

MUSIC

Two private half-hour lessons per week, each semester, in Piano, Voice, Violin, Organ or Band Instruments.....\$60.00

One private half-hour lesson per week, each semester, in Piano, Voice, Violin, Organ or Band Instruments..... 30.00

Organ rental by special arrangement.

LABORATORY FEES

	Each Semester
Biology 41, 42 (Geology).....	\$ 2.50
Biology 51, 52 (Botany) 61, 62 (Zoology) 113, 114 (Field Botany).....	4.00
Biology 135, 136, 235, 236 (Physiology) 141 (Invertebrate Zoology).....	4.00
Biology 144 (Entomology) 218 (Plant Anatomy and Histology).....	4.00
*Biology 107, 108 (Bacteriology).....	7.50
Biology 146, 148 (Genetics).....	1.00
Biology 155 (Vertebrate Anatomy).....	10.00
Biology 215, 216 (Plant Physiology).....	6.00
Biology 256 (Embryology).....	7.50
Biology 267, 268, 367, 368 (Biological Problems) per credit hour.....	2.00
*Chemistry 21, 22, 43, 44, 55, 56, 105, 106, 107, 108, 209, 210.....	10.00
*Chemistry 23, 24.....	5.00
*Chemistry 131, 132 (Edgineering).....	5.00
*Chemistry 133, 134 (Metallurgy).....	7.50
*Chemistry 207, 208, 213, 214, 321, 322.....	8.00
*Chemistry 215, 216.....	15.00
*Chemistry 315, 316 per credit hour.....	5.00
Clinical Psychology 425, 426.....	2.00
*Concrete Laboratory, C. E. 112.....	1.00
Dictation 143, 144, 165, 166, 186, 187, 188.....	1.00
*Elec. Laboratory E. E. 127, 128, 143, 144.....	2.00
*Elec. Laboratory E. E. 58, 123, 124, 136, 147.....	3.00
*Elec. Laboratory 141, 142.....	4.00
Figure Drawing 175, 176.....	1.50
Foods 45, 46.....	4.50
Foods 115, 116.....	5.00
Hygiene Lab. (Swimming—Women).....	5.00
Hygiene Lab. (Swimming—Men).....	2.50
*Industrial Electricity 21, 22, 43, 44, 55, 56.....	2.00
*Mechanical Laboratory M. E. 182, 183.....	2.00
Mental Tests 315.....	1.00
Nutrition 119, 120.....	2.00
Physics 43, 44, 51, 52, 53, 203, 304, 306, 314.....	2.00
Physics 21, 22, 209, 210.....	4.00
Play Materials 126.....	1.00
Play Production 161, 162.....	2.00
*Principles of Radio 53, 54.....	1.50
*Radio Communication E. E. (137), 150.....	3.00
Radio Speaking 181.....	1.00
Research Problems 436 (College of Education per credit hour).....	5.00
**R. O. T. C., Basic Deposit.....	5.00
**R. O. T. C., Advanced Course.....	10.00
*Route Surveying C. E. 108.....	2.00
Secretarial Training 73, 74.....	1.00
*Shop Practice 49.....	3.00
*Special M. E. Problems M. E. 194.....	3.00
*Strength of Materials C. E. (107), 46.....	2.00
*Surveying C. E. 21, 22, 43, 101.....	2.00
Swimming 60, 114 (Men).....	2.50
Swimming 60, 114 (Women).....	5.00
Tests and Measurements 105, 312.....	2.00
Textiles 107, 108.....	2.00
Typewriting 31, 51, 52, 83, 84, 85.....	1.00

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

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

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, 1938-39, are as follows:

FIRST SEMESTER, 1938

Monday, September 19.....All Departments of the Day Session
Monday, September 19.....The Evening Session

SECOND SEMESTER, 1939

Monday, February 6.....All Departments of the Day Session
Monday, February 6.....The Evening Session

SUMMER SESSION, 1939

Tuesday, June 20

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.

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 time of application for degree, \$5.00 for Bachelor's degree and \$10.00 for Master's.

All graduate students presenting a thesis for a Master's degree are required to pay a thesis fee of \$10.00 and the cost of the thesis binding, which varies from \$1.40 to \$1.75.

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.

All Smith-Hughes courses which the student may desire at some future time to use toward a degree shall be paid for at the time of registration at the rate of \$6.00 per credit hour.

For hours taken in excess of an 18 hour load, a fee of \$6.00 per credit hour is charged. An exception is made in the case of students enrolled in the Engineering course whose registration requires an academic load of 18 hours or more in its regularly prescribed curriculum. This fee is not subject to refund.

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.
6. Excess load fee
7. Swimming fee

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 SESSION

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 certified by the dean or director.

GENERAL OBJECTIVES OF THE UNIVERSITY OF AKRON

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

The University of Akron has as its aims:

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

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

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

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

The University has further aims:

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

ORGANIZATION OF THE UNIVERSITY

I. THE GENERAL COLLEGE

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

II. THE UPPER COLLEGES

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

BUCHTEL COLLEGE OF LIBERAL ARTS

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

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

THE COLLEGE OF ENGINEERING

The departments of the College of Engineering are:

Civil Engineering	Industrial Engineering
Electrical Engineering	Mechanical Engineering

THE COLLEGE OF EDUCATION

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

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

GRADUATE STUDY

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

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

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

ADMISSION

Admission to a particular Division of the Upper Colleges shall be determined by the administration of the General College, the administration of the Division, and the administration of the Upper College concerned.

DEGREES

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

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

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.

DIVISION OF ADULT EDUCATION

The Division of Adult Education is an integral part of the University organization. The Division serves three distinct groups of people:

THE EVENING SESSION

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

THE SUMMER SESSION

A Summer Session of six weeks furnishes instruction to teachers and other persons who seek opportunities for training. Courses are offered to meet the needs of students in all colleges of the University.

INSTITUTES

Non-credit courses to meet the needs of many persons who already have a degree or desire practical training for a particular vocation or avocation are offered on a short term basis.

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."

GRADING SYSTEM

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

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

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

"Incomplete" means that the student has done passing work in the course, but some part, for good reason, has not been completed.

Failure to make up the omitted work satisfactorily within the first nine weeks of the next semester in the University converts the grade to F.

QUALITY REQUIREMENT

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

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

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

PROBATION AND FAILURE

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

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

The readmission of Upper College students dropped under these rules shall be at the discretion of the Dean of the college from which the student was dropped, and the Dean of the college he desires to enter. Readmission of General College students is determined by the Committee on Admission.

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

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 only with permission of the Dean of the college from which the student was dropped. No credit is granted for any work taken in the Evening or Summer Sessions in violation of this procedure.

CHANGES IN STUDENT'S PROGRAM

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

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

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

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

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.

STUDENT LOAD

Sixteen hours a week are counted as 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.

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.

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

PROMOTION TO AN UPPER COLLEGE

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

Admission to a particular Division of the Upper Colleges shall be determined by the administration of the General College, the administration of the Division, and the administration of the Upper College.

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

GENERAL FINAL EXAMINATIONS

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

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

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

SYSTEM OF NUMBERING

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

100-199. Courses of Upper College rank.

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

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

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

THE GENERAL COLLEGE

Students are admitted by high school certificate, or honorable dismissal from other colleges or universities, or if over 21 years of age, as special students not in candidacy for a degree.

ENTRANCE REQUIREMENTS

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

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

Any student taking freshman English or algebra who proves to be inadequately prepared, will be required to attend class two extra periods each week, without credit, in order to review fundamentals.

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

For admission to the engineering course at least $1\frac{1}{2}$ units of high school algebra and 1 unit of plane geometry are required. It is recommended that each candidate desiring college training in technical and scientific lines include in his preparatory work an adequate high school training in mathematics and science.

SPECIAL STUDENTS

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

IRREGULAR STUDENTS

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

ADMISSION FROM OTHER COLLEGES

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

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

REGISTRATION AND CLASSIFICATION

A student who wishes to gain admission by certificate should ask his high school principal to mail a statement of 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 22 and September 10. *Entering freshmen are not allowed to register after noon of September 10.* A \$5.00 deposit, required at the time of registration, is applied on semester fees.

FRESHMAN WEEK

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

For the first semester 1938-39, all entering freshmen are *required* to report at 10 a. m. on Monday, September 12, and attend all sessions, Monday to Thursday, inclusive. Sessions of this program will occupy the time from 8 a. m. to 4 p. m. of the days specified.

REGISTRATION DAYS

The registration days for Day Session students previously enrolled are as follows: All Upper College students, Thursday, September 15; General College students, Friday and Saturday, September 16 and 17; from 8:30 a. m. till 4 p. m. on all three days.

Evening Session students will register between 1 p. m. and 9 p. m. on Friday, September 16, and between 9 a. m. and 9 p. m. on Saturday, September 17.

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

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

THE CURRICULUM OF THE GENERAL COLLEGE

Courses in the General College have been planned and organized with the utmost care, in scope, content, method of approach, and method of presentation, in order to attain as fully as possible the "General Objectives" of the University.

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

GENERAL EDUCATION

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

1. English, Oral and Written 6 hours, first year
2. Hygiene and Physical Education 6 hours, first year
3. Introduction to the Social Sciences 6 hours, first year
4. Introduction to the Natural Sciences 6 hours, first or second year
5. Introduction to the Humanities 6 hours, first or second year
6. Mathematics, Accounting, or Foreign Language 6 or 8 hours, first or second year
7. Military Science and Tactics (for men) 6 hours

(One from 4 and 5, and one from 6 must be taken the first year)

PRE-PROFESSIONAL AND TERMINAL COURSES

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

REQUIREMENTS FOR PROMOTION TO UPPER COLLEGE WORK

COLLEGE OF EDUCATION

	Kdgn. Prim.	Prim. Elem.	Elem- tary	H. & Ph. Ed.	High School	Music	Art
English	6	6	6	6	6	6	6
Hygiene and Physical Education	6	6	6	6†	6	6	6
Int. Social Science	6	6	6	6	6	6	6
Int. Humanities	6	6	6	6	6	6	6
Int. Natural Science	6	6	6	6	6	6	6
Mathematics	6	6	6	6	6	6	6
* Accounting	8	8	8	8	8	8	8
or Foreign Language	8	8	8	8	8	8	8
** Military Science and Tactics	6	6	6	6	6	6	6
General Psychology	3	3	3	3	3	3	3
Educational Psychology	3	3	3	3	3	3	3
Int. Education	3	3	3	3	3	3	3
Literature	6	6	6	6	6	6	6

* In some curricula Accounting may be chosen instead of Mathematics or Foreign Language.
 ** Required of men.
 † Refer to description of Hygiene, Physical and Mental 15-16 in the department of Physical Education in the College of Education section of the catalog.

PREREQUISITES FOR THE UPPER COLLEGES

In addition to the required courses in general education, there are definite prerequisite and recommended studies in the General College for the various majors or fields of concentration in the Upper Colleges. Students should note the prerequisites carefully, as given below, and plan to take them during their first two years:

BUCHTEL COLLEGE OF LIBERAL ARTS

THE HUMANITIES DIVISION

ART: Required: Appreciation of Art 29-30, Structural Art 21, Design 22, Design 43, Drawing and Rendering 45-56, Modeling 59-60. Recommended: Psychology 41-42, Sociology 41, Shakspeare 41.

ENGLISH: Required: The following courses should be taken in the General College, and must be taken before graduation: Shakspeare 41, Short Story Writing 43-44 or Essay Writing 63-64, American Literature 47-48. Suggested Electives: Appreciation of Art 29-30, Appreciation of Music 22, Philosophy 55, Typewriting 31, Sociology 41.

LATIN AND GREEK: Required: Courses in Latin, both years. Recommended: Shakspeare 41, Psychology 41-42.

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

MUSIC: Required: General Theory 21, Appreciation of Music 22, Elementary Harmony 43-44. Recommended: Psychology 41-42, Philosophy 55-56, Shakspeare 41.

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

SPEECH: Required: Speech 41, Interpretation 51. Suggested electives: the basic courses in political science, psychology, economics, sociology, American history, and European history; Shakspeare 41, Word Study 42, Structural Art 21.

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

THE SOCIAL SCIENCE DIVISION

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

HISTORY: Required: None. Recommended: Social Science.

HOME ECONOMICS: Required: Textiles 21, Clothing 22, General Foods 45-46, Home Economics Survey 53; Chemistry 23-24 (Foods and Nutrition majors); French 43-44 (Textiles and Clothing majors); Foreign language, both years (General Home Economics majors and Foods and Nutrition majors); Consumer Economics 82.

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

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

In all these cases students who fail to make a grade of C in the second-year of the language must later take an examination to show that they have a reading knowledge of the language.

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

SOCIOLOGY: Required: Sociology 41-42. Recommended: Psychology 41-42, Speech 41, English, Home Management Survey 53 (for women intending to enter social service).

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

SECRETARIAL SCIENCE: Required: Shorthand Theory 41-42, Typewriting 51-52. Recommended: Accounting 21-22 or 41-42, Business Law 51, Business Administration 61, Economics 41-42, Secretarial Theory 21, Office Methods 26.

NATURAL SCIENCE DIVISION

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

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

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

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

MATHEMATICS: Required: Algebra 21, Trigonometry 22, Analytics 43-44, Calculus 45-46.

THE COLLEGE OF ENGINEERING

For the courses required in the first two years of engineering, see the Engineering College section of this catalog.

THE COLLEGE OF EDUCATION

FRESHMAN YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
English 1.....	3	English 2.....	3
Hygiene, Physical and Mental 15.....	3	Hygiene, Physical and Mental 16.....	3
Introduction to Social Science 5.....	3	Introduction to Social Science 6.....	3
Foreign Language, Mathematics, or Accounting 3 or 4		Foreign Language, Mathematics, or Accounting 3 or 4	
R.O.T.C. 11 (men).....	1½	R.O.T.C. 12 (men).....	1½

SOPHOMORE YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Introduction to Humanities 7.....	3	Introduction to Humanities 8.....	3
Introduction to Natural Science 9.....	3	Introduction to Natural Science 10.....	3
General Psychology 41.....	3	Educational Psychology 52.....	3
Introduction to Education 55.....	3	Fundamentals of Speech 76.....	3
Literature.....	3	Literature.....	3
R.O.T.C. 43 (men).....	1½	R.O.T.C. 44 (men).....	1½

COURSES OFFERED IN THE GENERAL COLLEGE
BUCHTEL COLLEGE OF LIBERAL ARTS

HUMANITIES DIVISION

	Cr. Hrs.		Cr. Hrs.
LATIN AND GREEK		Feature Writing 56	2
*Latin 21-22	6	Editorial Writing 57	2
*Latin 43-44	6		
Greek 21-22	8	MODERN LANGUAGES	
ART		*French 21-22	8
*Structural Art 21	2	*French 43-44	6
*Design 22	2	*German 21-22	8
*Appreciation of Art 29-30	4	*German 43-44	6
*Design 43	2	*Spanish 21-22	8
*Drawing and Rendering 45-46	4	*Spanish 43-44	6
*Modeling 59-60	4	MUSIC	
Still Life 47-48	4	*General Theory 21	1
ENGLISH		*Appreciation of Music 22	2
*English 1	3	*Elementary Harmony 43-44	4
*English 2	3	Glee Club, Orchestra, Voice, Instruments	
Shakspeare 41	3	PHILOSOPHY	
Word Study 42	2	*Introduction to Philosophy 55	3
*Short Story Writing 43-44	4	*The Field of Philosophy 56	3
Literature 45-46	6	SPEECH	
American Literature 47-48	6	*Speech 41	3
Contemporary Fiction 49	3	Speech 42	3
Contemporary Drama 50	3	Oral Argument 45-46	4
News Writing 51-52	6	Interpretation 51-52	6
*Essay Writing 63-64	4	Public Discussion 56	3
News Writing and Editing 53	2	Acting 63-64	6
History of Journalism 55	2		

SOCIAL SCIENCE DIVISION

	Cr. Hrs.		Cr. Hrs.
ECONOMICS		*General Foods 45-46	8
Production, Prices and Income 41	3	*Home Economics Survey 53	3
Current Economic Problems 42	3	COMMERCE	
Development of Economic Institutions 44	3	*Accounting 21-22	6
Money and Banking 48	3	†Accounting 41-42	6
HISTORY		‡Analytical Accounting 43	3
American History 41-42	6	Intermediate Accounting 44	3
European History 45-46	6	Cost Accounting 46	3
POLITICAL SCIENCE		†Business Law 51	3
American National Government 41	3	§Economic Geography 54	3
American State and Local Government 42	3	*Business Administration 61	3
Comparative Government 43	3	*Selling and Advertising 81	3
American Diplomacy 44	3	Consumer Economics 82	3
SOCIOLOGY		SECRETARIAL SCIENCE	
*Sociology 41	3	§Secretarial Theory 21	3
*Social Attitudes 42	3	§Office Methods 26	3
Social Anthropology 45	3	Typewriting 31	2
Modern Social Problems 43	3	Business English 35	2
HOME ECONOMICS		*Shorthand Theory 41-42	6
*Textiles 21	4	*Typewriting 51-52	4
*Clothing 22	4	Secretarial Training 74	2
		Advanced Shorthand and Transcription 63-64	8

NATURAL SCIENCE DIVISION

	Cr. Hrs.		Cr. Hrs.
BIOLOGY		MILITARY SCIENCE AND TACTICS	
Geology 41-42	8	Military Science and Tactics 11-12	3
*Botany 51-52	8	Military Science and Tactics 43-44	3
*Zoology 61-62	8	PHYSICS	
Sanitation 71-72	6	Physics 21-22	8
Conservation 82	3	Physics 43-44	8
CHEMISTRY		Physics 51-52, 53	12
*Chemistry 21-22	8	MATHEMATICS	
§§Inorganic Chemistry 23-24	6	*Algebra 21	4
*Qual. Analysis 43	5	*Trigonometry 22	3
*Organic Chemistry 44	4	*Analytical Geometry 43-44	4
§§Organic Chemistry 55	4	*Calculus 45-46	6
§§Physiological Chemistry 56	4	Business Mathematics 58	3

* Required for majors.

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

† Especially for Secretarial Science students.

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

§§ Required for majors, 6 credits.

‡ 3 hours required for majors.

THE UNIVERSITY OF AKRON

THE COLLEGE OF ENGINEERING

(All required in one course or another.)

Personnel Problems 21.....	1	Surveying 43.....	2
Surveying 21-22.....	2	Engineering Geology 44.....	2
Drawing 21-22.....	4	Heat Power Engineering 46.....	3
Descriptive Geometry 44.....	3	Elements of Electrical Engineering 58.....	3
Shop Practice 49-50.....	2	Strength of Materials 46.....	3
Survey of Engineering 24.....	1	English 61-62.....	2
Machine Drawing 23.....	2		

THE COLLEGE OF EDUCATION

General Psychology 41.....	3	Principles of Geography 71.....	3
Applied Psychology 42.....	3	Geography of N. America 72.....	3
Educational Psychology 52.....	3	Geography of S. America 73.....	2
Introd. to Education 55.....	3	Geography of Europe 74.....	3
Business Psychology 62.....	3	Sight Singing 81-82.....	4
Educational Sociology 65.....	3	Children's Literature.....	3
Story Telling.....	6		

GENERAL INTRODUCTORY COURSES

Freshman English 1-2.....	6	Introd. to Humanities 7-8.....	6
Hygiene and Phys. Educ. 15-16.....	6	Introd. to Natural Science 9-10.....	6
Introd. to Social Science 5-6.....	6		

SUBJECTS OF INSTRUCTION

REQUIRED COURSES IN GENERAL EDUCATION

1-2. FRESHMAN ENGLISH, ORAL AND WRITTEN. 3 credits each semester. Instruction in reading, writing, and speaking the English language. Assigned readings, correlated with the general introductory courses, provide models for analysis and stimulate expression, both oral and written, on the part of the student. During the first semester, this material is primarily expository in character; during the second, the narrative and descriptive methods of reporting experience are stressed. The course provides a review of the principles of English usage, instruction in taking notes and using the library, and practice in the methods of investigative writing.

Students in English 1 who prove to be inadequately prepared will be required to attend class two extra periods each week, without credit, in order to review fundamentals.

15-16. HYGIENE, PHYSICAL AND MENTAL. 3 credits each semester.

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

Students are required to enrol in one of the following sections each semester in connection with the Hygiene course. Students may be permitted to elect some of these beyond the two required. Students majoring in physical education must take all sections.

MEN

The sections offered will be selected from the following activities:

- Calisthenics (each semester) 1 credit.
- Tumbling, Stunts, and Apparatus (each semester) 1 credit.
- Swimming (each semester) 1 credit.
- Minor Sports—Speedball, Soccer, Volley Ball, Tennis, etc. (each semester) 1 credit.
- Remedial Gymnastics (each semester) 1 credit.
- Athletics—Football, Basketball, Track (each semester) 1 credit.
- Wrestling.

WOMEN

- Folk and National Dancing (first semester) 1 credit.
- Clog and Tap Dancing (second semester) 1 credit.
- Danish Gymnastics (first semester) 1 credit.
- Tumbling, Stunts, Apparatus (second semester) 1 credit.
- Team Sports—Soccer or Hockey, Volley Ball, Basketball, Baseball (each semester) 1 credit.
- Beginning Swimming (first semester) 1 credit. (For those who cannot swim or those who wish to develop form in their strokes.)
- Advanced Swimming and Life Saving (second semester) 1 credit. (Permission of instructor.)
- Individual and Leisure Time Sports—Archery, Badminton, Ping Pong, Paddle Tennis, Deck Tennis, Horseshoes, Tennis, etc. (each semester) 1 credit.
- Remedial Gymnastics (first semester) 1 credit. (For those who show marked postural defects at the time of the physical examination.)

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

The purpose of this course is to give each student an appreciation of, an interest in, and a general comprehension of, the fundamental institutions of modern civilization and the social problems therein. It is intended to serve as a terminal course for students who concentrate in other fields, and as a foundation for students going into the social science division. The course is based upon the thesis of social change.

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

This course introduces the student to man's cultural achievements. In order to give a clear interpretation, first a general study is made of the various institutions developed by man, after which—against this institutional background of civilization—the various phases of man's intellectual activity through the course of the ages are considered, especially as expressed in literature, philosophy, religion, art and architecture, and music. The work is divided into certain periods: Ancient Oriental Empires; the Hellenic Age; the Hellenistic Period; the Roman Era; the Medieval Period; the Renaissance; the Reformation; the Expansion of Europe—the early modern period and the recent period.

9-10. INTRODUCTION TO THE NATURAL SCIENCES. 3 credits each semester. A study of how the development of science has affected the course of human life and made modern civilization a possibility. The course begins with the study of man's placing himself in his universe. Many of the great discoveries in science which have liberated men from the limitations of time and distance as well as from superstitious fear are discussed. Illustrative material is drawn from the astronomical, biological, geological, and physical sciences. The aims of the course are: to encourage the habit of using objective methods of reasoning, and to develop an appreciation of the contributions made by the great scientists; to give the student a greater knowledge of the fundamental principles of science, and some ideas concerning the techniques, skills, and habits of thought which are a part of the scientific world.

PRE-PROFESSIONAL AND TERMINAL COURSES

SPECIAL TWO-YEAR CERTIFICATE COURSE IN SECRETARIAL SCIENCE

The following special two-year course in Secretarial Science is offered. Students completing the course are granted a certificate provided they have made a quality point ratio of not less than two and have passed, during their last semester, the certificate examination.

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

FIRST YEAR			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Shorthand Theory 41.....	3	Shorthand Theory 42.....	3
Typewriting 51.....	2	Advanced Typewriting 52.....	2
English, Oral and Written 1.....	3	English, Oral and Written 2.....	3
Hygiene and Physical Ed. 15.....	3	Hygiene and Physical Ed. 16.....	3
Introduction to Social Sciences 5.....	3	Introduction to Social Sciences 6.....	3
Introduction to Humanities 7.....	3	Introduction to Humanities 8.....	3
SECOND YEAR			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Introduction to Natural Science 9.....	3	Introduction to Natural Science 10.....	3
Accounting 21 or 41.....	3	Accounting 22 or 42.....	3
Advanced Typewriting and Transcriptions 63.....	4	Advanced Shorthand and Transcription 64.....	4
Business English 35.....	2	Secretarial Training 74.....	2
Secretarial Theory 21.....	3	Office Methods 26.....	3

TWO-YEAR ELEMENTARY COURSE IN EDUCATION

Courses	Cr. Hrs.
English.....	6
Introduction to Social Science.....	6
Introduction to Natural Science.....	6
Introduction to Humanities.....	6
Hygiene and Physical Ed.....	6
Introduction to Education.....	3
Art.....	2
Music.....	3
Story Telling.....	2
Tests and Measurements.....	2
Reading, Content and Method.....	3
Arithmetic, Content and Method.....	2
Select 2 of the following 3:	
Language, Content and Method.....	2
Science, Content and Method.....	2
Social Science, Content and Method.....	2
School Administration.....	2
General and Educational Psychology.....	6
Principles of Teaching.....	3
Student Teaching.....	4
Total.....	66

MILITARY SCIENCE AND TACTICS

RESERVE OFFICERS' TRAINING CORPS.

MAJOR ROSSER L. HUNTER, INFANTRY, PROFESSOR; MAJOR BLAISDELL
C. KENNON, INFANTRY, ASSISTANT PROFESSOR; MAJOR RAYMOND
E. VERMETTE, INFANTRY, ASSISTANT PROFESSOR; STAFF
SERGEANT WILLIAM E. BROWN, INSTRUCTOR;
SERGEANT PHIL LOFINK, INSTRUCTOR;
SERGEANT HARRISON S. RICE, 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, elective for the men who have completed satisfactorily the basic course and the first two years of scholastic work, and who have been selected by the President of the University and the Professor of Military Science and Tactics.

BASIC COURSE

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

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

The work is given three hours per week for the first two years. $1\frac{1}{2}$ hours 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; they are replaced at the beginning of the next academic 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 semester 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.

BASIC COURSE

First Year	Hours	Second Year	Hours
Military Fundamentals.....	11	Leadership.....	36
Military Sanitation and First Aid.....	6	Infantry Weapons.....	18
Military Organization.....	8	Combat Training.....	42
Map Reading.....	16		—
Leadership.....	40		96
Rifle Marksmanship.....	15		
	—		
	96		

ADVANCED COURSE

This course consists of five hours per week (three credit hours per semester) during the junior and senior years. 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 the cost of his uniform. During this course the government not only furnishes uniforms and equipment, but also allows commutation of subsistence, which at the present time is 25 cents per calendar day. Upon 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.

The 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 must 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, and pay at the rate of 70 cents per day, while in attendance at the camp, is allowed. Clothing, equipment, medical attention, and food 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.

FIRST YEAR ADVANCED	Hours	SECOND YEAR ADVANCED	Hours
Aerial Photograph Reading.....	5	Military History and Policy.....	16
Leadership.....	34	Military Law.....	16
Infantry Weapons.....	50	Officers Reserve Corps Regulations.....	2
Combat Training.....	60	Leadership.....	40
Motor Vehicles.....	4	Weapons.....	8
Administration.....	7	Combat Training.....	75
	—	Property and Funds.....	3
	160		160

THE UPPER COLLEGES

BUCHTEL COLLEGE OF LIBERAL ARTS

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

†CHARLES BULGER, PH. D., *Acting Dean*

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

OBJECTIVES OF THE LIBERAL ARTS COLLEGE WITH REFERENCE TO ITS STUDENTS

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

DIVISIONS OF THE LIBERAL ARTS COLLEGE

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

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

*On leave of absence during the second semester of 1937-1938.

†The second semester of 1937-1938.

SUBJECTS OF INSTRUCTION IN THE DIVISIONS

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

HUMANITIES	NATURAL SCIENCES	SOCIAL SCIENCES
Art	Biology	Commerce
Languages	Chemistry	Economics
Literature	Mathematics	History
Music	Physics	Home Economics
Philosophy		Political Science
Speech		Secretarial Science
		Sociology

ENTRANCE REQUIREMENTS

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

Admission to a Division is determined by the administration of the General College, the chairman of the Division, and the Dean of the College.

FIELDS OF CONCENTRATION

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

DIVISIONAL MAJORS

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

In Humanities, at least 36 semester hours in the Division.

In Social Science, consult the divisional chairman.

In Natural Science, two year-courses in each of the four departments.

Students choosing divisional majors, in the Divisions of the Humanities and the Social Sciences, are required to pass a general final examination in the second semester of the senior year.

DEGREES

The following degrees are granted in the Divisions:

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

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

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

REQUIREMENTS FOR GRADUATION

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

PREPARATION FOR HIGH SCHOOL TEACHING

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

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

Each student will be required to pass the qualifying examination before entering upon Practice Teaching.

For additional information concerning requirements see College of Education.

Professional requirements and their sequence:

SECOND YEAR GENERAL COLLEGE			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
General Psychology	3	Educational Psychology	3
Introduction to Education	3		
(first or second semester)			
FIRST YEAR UPPER COLLEGE			
Methods	3	Tests and Measurements	2
SECOND YEAR UPPER COLLEGE			
Educational Problems	3	Student Teaching	6
		School Management	2
	OR		OR
Student Teaching	6	Educational Problems	3
School Management	2		

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 Bachelor of Arts in Education, is offered students preparing for teaching. Students interested in taking such a combination course should confer with the Dean of the College of Education before entering the Upper College.

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 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 toward the A. B. degree, with a quality point ratio of at least 2.5; a minimum of 43 semester hours completed in the student's major Division; 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 chairman of the Division. 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; 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 before entering the Upper College. The dean and the chairman of the Divisions are at all times ready to assist students in making combinations with reputable professional and technical schools.

THE HUMANITIES DIVISION

OBJECTIVES OF THE HUMANITIES DIVISION

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

ART

ASSOCIATE PROFESSOR BARNHARDT, ASSISTANT PROFESSOR CABLE, MRS. YOUNG,
MR. FRENCH, MISS RIBLET

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

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

Required Courses in the Upper College:

	Cr. Hrs.
History of Art	6
Commercial Art	4
Graphic Arts	4
Crafts	4
Weaving	4
Costume	6
Interior Decoration	6
Illustration	4
Figure Drawing	4
Classical Archaeology	3
	45

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

GENERAL COLLEGE

21. STRUCTURAL ART. Either semester. 2 credits.
22. DESIGN. Second semester. 2 credits. Prerequisite, 21.
- 29-30. APPRECIATION OF ART. 2 credits each semester.
43. ADVANCED DESIGN. First semester. 2 credits. Prerequisite, 22.

45-46. DRAWING AND RENDERING. 2 credits each semester.
Planned as a foundation for advanced work in Fine Arts. A necessary course for the student in Interior Decoration, Costume Design, and Commercial Art.

47-48. STILL LIFE. 2 credits each semester. Prerequisite, 46.

59. CLAY MODELING. First semester. 2 credits. Prerequisite, 22.

60. MODELING. Second semester. 2 credits.
Work in clay, plaster and wood. Prerequisite, 59.

UPPER COLLEGE

101-102. CRAFTS, APPLIED DESIGN. 2 credits each semester. Prerequisite, 43.

104. GRAPHIC ARTS: DRY-POINT ETCHING, BLOCK PRINTING.
Second semester. 2 credits. Prerequisite, 46.

105. GRAPHIC ARTS: ACID ETCHING, STENCIL, PROVINCETOWN PRINT.
First semester. 2 credits. Prerequisite, 104.

106-107. WEAVING. 2 credits each semester. Prerequisite, 43.

131-132. COMMERCIAL ART. 2 credits each semester. Prerequisites, 22, 45.
1938-39 and alternate years.

141-142. ADVANCED COMMERCIAL ART. 2 credits each semester.
Prerequisite, 132.

151. COSTUME. First semester. 3 credits. Prerequisite, 43.
1939-40 and alternate years.

152. STAGE COSTUME. Second semester. 3 credits. Prerequisite, 151.
1939-40 and alternate years.

171-172. INTERIOR DECORATION. 3 credits each semester.
Prerequisite, 43. 1938-39 and alternate years.

175-176. FIGURE DRAWING. 2 credits each semester. Prerequisite, 112.
Fee, \$1.50 each semester.

179-180. ILLUSTRATION. 2 credits each semester. Prerequisite, 176.
1939-40 and alternate years.

201-202. HISTORY OF ART. 3 credits each semester.

For other courses in Art, see the College of Education section.

ENGLISH

DEAN SPANTON, PROFESSOR PEASE, MR. VANCE (*Journalism*),
 ASSISTANT PROFESSORS HAMILTON, ROBERTS, KEISTER AND RAW,
 MR. STICKNEY, MRS. PUTMAN, MR. WISHART,
 MRS. WHITNEY, MR. CAMPBELL

Required Courses: Students majoring in English should have taken, in the General College, Shakspeare 41, Short Story Writing 43-44 or Essay Writing 63-64, and American Literature 47-48. In the Upper College they should take at least 20 hours in the department, exclusive of courses in Journalism and including Chaucer 201 and History of the English Language 162. They are also expected to take Greek Masterpieces in Translation 149-150, Latin Masterpieces in Translation 152, and English History 151-152.

General College Courses Suggested: Appreciation of Art 29-30, Appreciation of Music 22, Philosophy 55, Typewriting 31, Sociology 41.

Students intending to major in English in the Upper College should take Courses 41, 43-44 or 63-64, and 47-48. They should not take Courses 45, 46, 49, 50, which are of a general cultural type and planned for students who will take little or no further work in the department.

GENERAL COLLEGE

1-2. ENGLISH, ORAL AND WRITTEN. 3 credits each semester.
 Primarily expository writing correlated with the work of the general introductory courses. Students in English 1 who prove to be inadequately prepared will be required to attend class two extra periods each week, without credit, in order to review fundamentals.

41. SHAKSPERE. First semester. 3 credits.
 Required of English majors for graduation. Students planning to major in English should elect this course in the sophomore year.

42. WORD STUDY. Second semester. 2 credits.

43-44. SHORT STORY WRITING. 2 credits each semester.
 1938-39 and alternate years. 43-44 or 63-64 required for English majors.

45-46. APPRECIATION OF LITERATURE. 3 credits each semester. 45 is not a prerequisite for 46.

47-48. AMERICAN LITERATURE SINCE 1820. 3 credits each semester.

49. CONTEMPORARY FICTION. Either semester. 3 credits.

50. CONTEMPORARY DRAMA. Either semester. 3 credits.

63-64. ESSAY WRITING. 2 credits each semester. 1939-40 and alternate years.

JOURNALISM

51. NEWS WRITING. First semester. 3 credits.
 The class meets two periods each week. The third credit is given for laboratory work on the student newspaper.

52. NEWS WRITING. Second semester. 3 credits.
 A continuation of 51, but may be taken either before or after it.

53. NEWS WRITING AND EDITING. First semester. 2 credits.
Evening session only.
55. HISTORY OF JOURNALISM. First semester. 2 credits. 1939-40 and
alternate years.
56. FEATURE WRITING. Second semester. 2 credits.
57. EDITORIAL WRITING. First semester. 2 credits. 1938-39 and
alternate years.

UPPER COLLEGE

102. SIXTEENTH CENTURY LITERATURE. Second semester. 3 credits.
1938-39 and alternate years.
103. SEVENTEENTH CENTURY LITERATURE. First semester. 3 credits.
1939-40 and alternate years.
104. EIGHTEENTH CENTURY LITERATURE. Second semester. 3 credits.
1939-40 and alternate years.
- 105-106. NINETEENTH CENTURY LITERATURE. 3 credits each semester.
1938-39 and alternate years.
112. TENNYSON AND BROWNING. Second semester. 3 credits. 1939-40
and alternate years.
114. THE ENGLISH BIBLE AS LITERATURE. Second semester. 3 credits.
1938-39 and alternate years.
116. AMERICAN LITERATURE (1620-1820). Second semester. 3 credits.
1939-40 and alternate years.
117. CONTEMPORARY BRITISH POETRY. First semester. 3 credits. 1938-39
and alternate years.
118. CONTEMPORARY AMERICAN POETRY. Second semester. 3 credits.
1938-39 and alternate years.
- 121-122. ENGLISH FICTION: DEVELOPMENT OF THE NOVEL. 3 credits each
semester. 1939-40 and alternate years.
- 131-132. SEMINAR. 2 credits each semester. Required of senior English
majors.
162. HISTORY OF THE ENGLISH LANGUAGE. Second semester. 3 credits.
1939-40 and alternate years.
201. CHAUCER. First semester. 3 credits. 1939-40 and alternate years.
- 203-204. THE DRAMA. 3 credits each semester. 1938-39 and alternate
years.
- 205-206. ANGLO-SAXON. 3 credits each semester.
All English majors intending to teach should take this course. 1939-40
and alternate years. No credit given toward graduation for less than the
full year's work.

207-208. MIDDLE ENGLISH. 3 credits each semester.
No credit given toward graduation for less than the full year's work.
1938-39 and alternate years.

209. SHAKSPERE. First semester. 3 credits. 1938-39 and alternate years.

JOURNALISM

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

LATIN AND GREEK

PROFESSOR YOUNG

Required courses for majors in the General College: Latin 21-22 and 43-44; in the Upper College: Latin and Greek Masterpieces.

General College courses suggested: Shakspeare 41, Psychology 41-42.

Major: Twenty-four hours of Latin.

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

GENERAL COLLEGE

At least two units of high school Latin are required in order to enter freshman Latin. Students presenting four units for admission are expected to enrol in Course 43.

Credit toward graduation is not given for less than a full year's work in the first year of any foreign language.

21. CAESAR AUGUSTUS: RES GESTAE, AND OVID: METAMORPHOSES. First semester. 3 credits.

22. CICERO: LETTERS, AND TERENCE: ANDRIA. Second semester. 3 credits. Prerequisite, 21, or high school equivalent.

43. LIVY: HANNIBALIC WAR; AND NEPOS: LIFE OF HANNIBAL. First semester. 3 credits. Prerequisite, 22, or 4 high school credits.

44. PLAUTUS: MOSTELLARIA; AND APULEIUS: GOLDEN ASS. Second semester. 3 credits. Prerequisite, 43 or high school equivalent.

21-22. ELEMENTARY GREEK. 4 credits each semester. 1938-39 and alternate years.

ADVANCED GREEK will be given on sufficient demand.

UPPER COLLEGE

105. HORACE: ODES. First semester. 3 credits. Prerequisite, 44. 1939-40 and alternate years.

106. VERGIL: AENEID, AND JUVENAL: SATIRES. Second semester. 3 credits. Prerequisite, 44. 1939-40 and alternate years.

107. VERGIL: GEORGICS, AND SUETONIUS: LIVES OF CAESARS. First semester. 3 credits. Prerequisite, 44. 1938-39 and alternate years.

108. CATULLUS, AND LATIN EPIGRAPHY. Second semester. 3 credits. Prerequisite, 44. 1938-39 and alternate years.

109-110. LATIN PROSE COMPOSITION. 1 credit each semester. Prerequisite, 44. 1938-39 and alternate years. Indispensable for prospective graduate students and candidates for teaching positions.

112. CLASSICAL SEMINAR. Second semester. 1 credit. Prerequisite, senior rank. Required for majors.

152. LATIN MASTERPIECES IN ENGLISH TRANSLATIONS. Second semester. 3 credits. 1939-40 and alternate years. Required for majors.

113. CLASSICAL ARCHAEOLOGY. First semester. 3 credits. 1939-40 and alternate years.

149-150. GREEK MASTERPIECES IN ENGLISH TRANSLATIONS. 2 credits each semester. 1939-40 and alternate years. Required for majors.

MODERN LANGUAGES

PROFESSOR BULGER, ASSOCIATE PROFESSOR REED, ASSISTANT PROFESSOR FANNING, MR. ALBRECHT, MR. GLENNEN, MR. RICE

Students who concentrate in foreign languages at the upper level are required to take, toward the end of the senior year, a general final examination in the language particularly emphasized. The student must take at least 14 hours of work at or above the 100 level. This work may be done in one or two languages. If two languages are chosen, one may be Latin.

GENERAL COLLEGE

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

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

*Superior students may enter the second year course.

†Superior students may enter the third year course.

Credit toward graduation is not given for less than a full year's work in the first year of a modern language.

21-22. FIRST YEAR FRENCH. 4 credits each semester.

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

21-22. FIRST YEAR GERMAN. 4 credits each semester.

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

21-22. FIRST YEAR SPANISH. 4 credits each semester.

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

UPPER COLLEGE

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

Two of the following French courses are given each year:

- 209-210. MODERN FRENCH LITERATURE.
- 211-212. SURVEY OF FRENCH LITERATURE.
- 213-214. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY.
- 215-216. HISTORY OF THE FRENCH NOVEL TO THE NINETEENTH CENTURY.
- 101-102. GERMAN DAILY LIFE. 2 credits each semester. Prerequisite, 44.
- 207-218. ADVANCED GERMAN. 2 credits each semester. Prerequisite, 102 or 104.

Two of the following German courses are offered each year:

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

Two of the following Spanish courses are offered each year:

- 103-104. APPLIED SPANISH AND SPANISH COMPOSITION. 2 credits each semester. Prerequisite, 44.
- 207-208. SPANISH LITERATURE OF THE NINETEENTH AND TWENTIETH CENTURIES (1800-1930). 2 credits each semester. Prerequisite, 44.
- 209-210. SPANISH LITERATURE OF THE GOLDEN AGE AND EIGHTEENTH CENTURY (1550-1800). 2 credits each semester. Prerequisite, 44.
- 211-212. SURVEY OF SPANISH LITERATURE TO 1550 (MIDDLE AGES AND RENAISSANCE). 2 credits each semester. Prerequisite, 44.

MUSIC

ASSISTANT PROFESSORS ENDE AND RIDER; MR. GARLINGHOUSE, GLEE CLUBS;
MR. LEBO, BAND; MR. CAMPBELL, ORCHESTRA AND VIOLIN;
MR. STEIN, VOICE; MISS WILLS, PIANO

The work in music is open to election by all students of the University who are properly qualified to take the courses offered, and may be included in certain fields of concentration in the Humanities Division and in the College of Education. All theory courses may be taken for credit, but not more than 8 credits of instruments or voice and 4 credits of glee club, orchestra, or band may be counted toward a degree except in the School Music course. Those desiring instruction in music must arrange for it on registration days as part of their regular assignment of work for the semester.

Prerequisites for Majors: To enter music as a field of concentration, the student must have credit in the General College for General Theory 21, Appreciation of Music 22, and Elementary Harmony 43-44. Other General College courses suggested, are: Psychology 41-42, Philosophy 55-56, and Shakspeare 41.

General Final Examination: Majors in music will be required, in the second semester of the senior year, to pass a general final examination in the theory and history of music.

Requirements: The requirements for a music major leading to the A. B. degree are 41 credits in music in addition to the general requirements for a degree. Of this number 29 credits must be in theory and 12 credits in applied music. The requirements in applied music are 8 credits of instruments or voice and 4 credits of glee club or orchestra.

GENERAL COLLEGE

21. GENERAL THEORY. Either semester. 1 credit.
A general introductory course required of all students taking individual lessons in applied music.
22. APPRECIATION OF MUSIC. Either semester. 2 credits.
- 43-44. ELEMENTARY HARMONY. 2 credits each semester. Prerequisite, the ability to play hymns on the piano.
45. VOICE CLASS. Either semester. 2 credits.
46. ADVANCED VOICE CLASS. Either semester. 2 credits. Prerequisite, 45.

APPLIED MUSIC

Credit for applied music in the College of Liberal Arts is allowed only on the basis of 2 credits in theory for 1 credit in applied music.

General Theory or Sight Singing required: Students taking individual lessons in applied music are required to take General Theory 21 concurrently during the first semester of study. Students taking class lessons will receive no credit until General Theory or one semester of Sight Singing is taken.

Students in applied music may be required from time to time to participate in recitals or appear before a committee selected for the purpose of judging their progress.

INDIVIDUAL LESSONS: Two half-hour lessons a week, 2 credits each semester, \$60. One half-hour lesson a week, 1 credit each semester, \$30.

ORGAN. 1 or 2 credits each semester. (Organ rental by special arrangement.)

PIANO. 1 or 2 credits each semester.

VIOLIN. 1 or 2 credits each semester.

VOICE. 1 or 2 credits each semester.

WIND INSTRUMENTS. 1 or 2 credits each semester.

UPPER COLLEGE

- 101-102. **ADVANCED HARMONY.** 2 credits each semester. Prerequisite, 44.
- 103-104. **COUNTERPOINT.** 2 credits each semester. Prerequisite, 44. 1938-39 and alternate years.
- 105-106. **HISTORY OF MUSIC.** 2 credits each semester. Prerequisite, 22. 1939-40 and alternate years.
108. **FORM AND ANALYSIS.** Second semester. 3 credits. Prerequisite, 101 and 103.
109. **KEYBOARD HARMONY.** First semester. 2 credits. Prerequisite, 102.
111. **COMPOSITION.** First semester. 2 credits. Prerequisite, 102 and 108.
113. **CONDUCTING.** First semester. 1 credit. Prerequisite, permission of the instructor.
114. **ORCHESTRATION.** Second semester. 3 credits. Prerequisite, 102.

COURSES IN APPLIED MUSIC

115. **WIND INSTRUMENT CLASS.** First semester. 1 credit.
116. **ADVANCED WIND INSTRUMENT CLASS.** Second semester. 1 credit. Prerequisite, 115.

MUSICAL ORGANIZATIONS

- MEN'S GLEE CLUB.** 1 credit each semester.
- WOMEN'S GLEE CLUB.** 1 credit each semester.
- ORCHESTRA.** 1 credit each semester.
- BAND.** 1 credit each semester.

PIXLEY SCHOLARSHIPS IN MUSIC

See section on Scholarships and Prizes.

PHILOSOPHY

PROFESSOR WOOD

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

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

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

GENERAL COLLEGE

55. **INTRODUCTION TO PHILOSOPHY.** First semester. 3 credits.
56. **THE FIELD OF PHILOSOPHY.** Second semester. 3 credits. Prerequisite, 55.

UPPER COLLEGE

103. HISTORY OF PHILOSOPHY. First semester. 3 credits.
Prerequisite, 56. 1938-39 and alternate years.
104. LOGIC. Second semester. 3 credits.
1938-39 and alternate years.
105. ETHICS. First semester. 3 credits.
1939-40 and alternate years.
106. PHILOSOPHY OF RELIGION. Second semester. 3 credits.
1939-40 and alternate years.

SPEECH

PROFESSOR HITCHCOCK, ASSISTANT PROFESSOR RABE,
MR. VARIAN, MR. TURNER

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

General Final Examination: Students majoring in speech are required, in the second semester of the senior year, to take a general final examination covering the field.

GENERAL COLLEGE

41. PUBLIC SPEAKING. Either semester. 3 credits.
42. PUBLIC SPEAKING. Either semester. 3 credits. Prerequisite, 41.
- 45-46 ORAL ARGUMENT. 2 credits each semester.
Prerequisite, 41. No credit given toward graduation for less than the full year's work.
47. PUBLIC SPEAKING FOR BUSINESS MEN. Either semester. 2 credits.
48. ADVANCED PUBLIC SPEAKING FOR BUSINESS MEN. Either semester.
2 credits.
- 51-52. INTERPRETATION. 3 credits each semester.
56. PUBLIC DISCUSSION AND PROCEDURE. Second semester. 3 credits.
Prerequisite, 41 or permission.
- 63-64. Acting. 3 credits each semester.
No credit toward graduation given for less than the full year's work.
76. FUNDAMENTALS OF SPEECH. 3 credits. Either semester.
Not open to Liberal Arts students.

UPPER COLLEGE

143. ADVANCED PUBLIC SPEAKING. First semester. 3 credits.
1938-39 and alternate years.
144. FORMS OF PUBLIC ADDRESS. First semester. 3 credits.
1939-40 and alternate years.
154. VOICE TRAINING. Either semester. 1 credit.
- 161-162. PLAY PRODUCTION. 3 credits each semester. 1939-40 and alternate years. No credit given toward graduation for less than the full year's work. Fee, \$2.00 each semester.
171. INTRODUCTION TO VOICE SCIENCE. First semester. 3 credits.
172. SPEECH CORRECTION. Second semester. 3 credits.
1939-40 and alternate years.
181. RADIO SPEAKING. Either semester. 3 credits. Fee, \$1.00.
191. SEMINAR: HISTORY OF BRITISH ORATORY. First semester. 2 credits.
192. SEMINAR: HISTORY OF AMERICAN ORATORY. Second semester.
2 credits.
204. PHONETICS: THE SCIENCE OF SPEECH SOUNDS. 3 credits.

THE SOCIAL SCIENCE DIVISION

OBJECTIVES OF THE SOCIAL SCIENCE DIVISION

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

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

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

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

COMMERCE

PROFESSOR LEIGH, ASSISTANT PROFESSORS MCKEE, HAMPEL, AND TOUSLEY,
MR. HILLIARD, MR. DAVIS, MR. POWERS, MR. BUSBEY,
MR. REED, MR. HERSH

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

In addition to the 34 hours specified in the General College requirements, the following specific requirements should be met for admission to the Commerce Department: Accounting 21-22, 6 credits; Business Administration 61, 3 credits; Selling and Advertising 81, 3 credits; Economics 41-42, 6 credits. For General College courses recommended but not required, see General College section.

For a degree in Business Administration, the following additional requirements must be taken during the second or third year: Analytical Accounting 43, 3 credits; Economic Geography 54, 3 credits; Typewriting 31, 2 credits.

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

THE BUSINESS ADMINISTRATION COURSE

FIRST SEMESTER		THIRD YEAR		SECOND SEMESTER		CR. HRS.	
	Cr. Hrs.						
Business Law 141.....	3	Business Law 142.....	3	Business Law 142.....	3		
Marketing 183.....	3	Business Management 162 or	} 3	Business Management 162 or	} 3		
Business Finance 171.....	3	Advertising 185.....		4		Advertising 185.....	4
*Social Science.....	3	Statistics 147.....	3	Statistics 147.....	3		
		*Social Science.....	3	*Social Science.....	3		

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

Electives are of two kinds: General electives and electives in major. Courses of both types are suggested below. Business Correspondence is particularly recommended as the first semester elective.

*Courses in the fields of economics, history, political science, sociology, and psychology are acceptable toward this requirement. See recommended courses under "Suggested Electives."

FIRST SEMESTER		FOURTH YEAR		SECOND SEMESTER		CR. HRS.	
	Cr. Hrs.						
Electives in Majors.....	6	Electives in Majors.....	6	Electives in Majors.....	6		
Seminar.....	1	Business Policy 268.....	3	Business Policy 268.....	3		
		Seminar.....	1	Seminar.....	1		

SUGGESTED ELECTIVES

Art	Political Science
Commercial Art	Government and Business
Economics	Psychology
Labor Problems	Business Psychology
Public Finance	
Mathematics	Secretarial Science
Business Mathematics	Business Correspondence

OPTIONAL MAJORS IN COMMERCE

Five fields of specialization are available to the students in Commerce; namely, accounting, finance, advertising and marketing, management, and general business. The courses required for or creditable toward each major are outlined below. Each student will select 14 hours of credit, including two credit hours for seminar, from one of the listed majors.

ACCOUNTING

Courses	Cr. Hrs.	Prerequisites
Accounting 44	3	Accounting 43
Cost Accounting 46	3	Accounting 43
Advanced Cost Accounting 228	3	Cost Accounting 46
Auditing 229	3	Accounting 44
Advanced Accounting 231-232	6	Accounting 44
Specialized Accounting Problems 235	3	Advanced Accounting 231-232
Income Tax 233	3	Consent of Instructor
Accounting Systems 230	3	Consent of Instructor
Seminar	2	

FINANCE

Courses	Cr. Hrs.	Prerequisites
Money and Banking 48	3	
Economics 108	3	Business Finance 171
Risk Bearing and Insurance 157	3	Economics 48
Banking Practice and Management 176	3	Money and Banking 48
Investments 172	3	Money and Banking 48
Security Markets 274	3	Business Finance 171
Problems in Finance 278	3	Economics 48
		Money and Banking 48
		Business Finance 171
Seminar	2	

ADVERTISING AND MARKETING

Courses	Cr. Hrs.	Prerequisites
Commercial Art 131-132	4	
Advertising 185	3	
Advanced Advertising 186	3	Advertising 185
Retailing 192	3	Marketing 183
Problems in Marketing 194	3	
Sales Administration 290	3	Marketing 183
Market Analysis 296	3	Marketing 183
Seminar	2	

MANAGEMENT

Courses	Cr. Hrs.	Prerequisites
Cost Accounting 46	3	9 hours of accounting
Personnel Administration IE-154	3	Business Administration 61
Industrial Management Problems IE-156	3	Personnel Administration IE-154
Personnel Management 164	3	Business Administration 61
Purchasing 189	2	Business Administration 61
Sales Administration 290	3	Marketing 183
Seminar	1	

GENERAL BUSINESS

Courses	Cr. Hrs.	Prerequisites
Cost Accounting 46	3	9 hours of accounting
Transportation 155	3	Economics 48
Personnel Management 164	3	Business Administration 61
Advertising 185	3	
Purchasing 189	2	Economics 48
Problems in Finance 278	3	Business Finance 171
Sales Administration 290	3	Marketing 183
Seminar	2	

GENERAL COLLEGE

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

UPPER COLLEGE

- 125-126. ENGINEERING ACCOUNTING. 3 credits each semester. 1939-40 and alternate years.
228. ADVANCED COST ACCOUNTING. Second semester. 3 credits. Prerequisite, 127. 1939-40 and alternate years.
229. AUDITING. First semester. 3 credits. Prerequisite, 44. 1938-39 and alternate years.
230. ACCOUNTING SYSTEMS. 3 credits. Prerequisite, 44. Given only when demand warrants.
- 231-232. ADVANCED ACCOUNTING. Second semester. 3 credits. Prerequisite, 44 or equivalent.
233. INCOME TAX. 3 credits. Prerequisite, 44. Given in alternate years.
234. ADVANCED INCOME TAX. 3 credits. Prerequisite, 233.
235. SPECIALIZED ACCOUNTING PROBLEMS. 3 credits. Prerequisite, 231. Open to accounting majors and by permission of the instructor.
- 141-142. BUSINESS LAW. 3 credits each semester.
144. LAW OF CREDIT AND COLLECTIONS. Second semester. 2 credits.
146. REAL ESTATE LAW. Second semester. 2 credits.
147. STATISTICS. Either semester. 4 credits. Prerequisite, Economics, 6 credits.

248. ADVANCED STATISTICS. 3 credits. Prerequisite, 147. Given only when demand warrants.
155. TRANSPORTATION. First semester. 3 credits. Prerequisite, Economics 41 and 48.
156. FOREIGN TRADE. Second semester. 3 credits. Prerequisite, Economics 41 and 48.
157. RISK BEARING AND INSURANCE. First semester. 3 credits. Prerequisite, Economics 41 and 48.
162. BUSINESS MANAGEMENT. Second semester. 3 credits. Prerequisite, Business Administration 61.
164. PERSONNEL MANAGEMENT. 3 credits. Prerequisite, Business Administration 61. Given only when demand warrants.
268. BUSINESS POLICY. Second semester. 3 credits. Required of all Commerce seniors.
171. BUSINESS FINANCE. First semester. 3 credits. Prerequisite, Economics 41 and 48.
172. INVESTMENTS. Second semester. 3 credits. Prerequisite, 171.
176. BANKING PRACTICE AND MANAGEMENT. 3 credits. Prerequisite, Economics 48. Given only when demand warrants.
274. SECURITY MARKETS. Second semester. 3 credits. Prerequisite, 171.
278. PROBLEMS IN FINANCE. Second semester. 3 credits. Prerequisite 171.
183. MARKETING. First semester. 3 credits. Open to juniors. Prerequisite, Economics 41 and 48.
185. PRINCIPLES OF ADVERTISING. Either semester. 3 credits.
186. ADVANCED ADVERTISING. Second semester. 3 credits. Prerequisite, 185.
189. PURCHASING. 2 credits. Given only when demand warrants.
192. RETAILING. Second semester. 3 credits. Prerequisite, junior standing or consent of instructor.
194. PROBLEMS IN MARKETING. Second semester. 3 credits. Prerequisite, 183. Given in alternate years.
290. SALES ADMINISTRATION. Second semester. 3 credits. Prerequisite, 183.
296. MARKET ANALYSIS. Second semester. 3 credits. Prerequisite, 190, or equivalent.
- 297-298. SEMINAR. 1 credit each semester. Required of all senior commerce majors.

ECONOMICS

PROFESSOR O'HARA, ASSISTANT PROFESSOR FORD, MR. P. S. SHERMAN

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

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

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

GENERAL COLLEGE

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

UPPER COLLEGE

- 106. LABOR PROBLEMS. Second semester. 3 credits.
 - 108. PUBLIC FINANCE. Second semester. 3 credits.
 - 141. ANALYTICAL ECONOMICS. First semester. 3 credits.
 - 147. STATISTICS. Either semester. 4 credits.
 - 155. TRANSPORTATION. First semester. 3 credits.
 - 156. FOREIGN TRADE. Second semester. 3 credits.
 - 171. BUSINESS FINANCE. First semester. 3 credits. Prerequisite, 48.
 - 183. MARKETING. First semester. 3 credits.
- (Courses 147, 155, 156, 171, 183 are given in the Commerce Department.)
- 204. MONETARY AND BANKING POLICY. Second semester. 3 credits. Prerequisite, 48.
 - 291. ECONOMIC CYCLES. First semester. 2 credits.
 - 293. DEVELOPMENT OF ECONOMIC THOUGHT. First semester. 3 credits.
 - 294. CONTEMPORARY ECONOMIC THOUGHT. Second semester. 3 credits.
 - 298. SEMINAR IN ECONOMICS. Second semester. 2 credits.
- Required of all candidates for the degree in economics.

HISTORY

PROFESSOR GARDNER, ASSOCIATE PROFESSOR SAPPINGTON,
MR. MOORE, MR. GRIMES

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

GENERAL COLLEGE

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

UPPER COLLEGE

111. ORIENTAL AND GREEK CIVILIZATION. First semester. 3 credits.
112. ROMAN CIVILIZATION. Second semester. 3 credits.
125. AMERICAN FRONTIER. First semester. 3 credits.
1939-40 and alternate years.
- 151-152. ENGLISH HISTORY. 3 credits each semester. 1939-40 and alternate years. No credit toward graduation given unless 152 is completed.
217. EARLY MEDIEVAL CIVILIZATION. First semester. 3 credits. 1938-39 and alternate years.
218. LATER MEDIEVAL CIVILIZATION. Second semester. 3 credits.
1938-39 and alternate years.
221. AMERICAN COLONIAL HISTORY. First semester. 3 credits. 1938-39 and alternate years.
222. FOUNDATIONS OF AMERICAN NATIONALITY. Second semester.
3 credits. 1938-39 and alternate years.
223. UNITED STATES IN THE NINETEENTH CENTURY. First semester.
3 credits. 1939-40 and alternate years.
224. RECENT UNITED STATES. Second semester. 3 credits.
1939-40 and alternate years.
241. FRENCH REVOLUTION. First semester. 3 credits. 1939-40.
242. HISTORIOGRAPHY. Second semester. 3 credits. 1939-40.
245. EUROPE 1870-1914. First semester. 3 credits.
1938-39 and alternate years.
246. RECENT EUROPE. Second semester. 3 credits.

HOME ECONOMICS

PROFESSOR SWIFT, ASSISTANT PROFESSOR LATHROP, MISS RIDLER

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

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

Three majors in home economics are offered:

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

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

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

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

FOODS AND NUTRITION

THIRD YEAR

Cr. Hrs.		Cr. Hrs.	
Advanced Foods 115.....	3	Advanced Foods 116.....	3
Nutrition 119.....	3	Nutrition 120.....	3
		Clothing 22.....	4

FOURTH YEAR

Child Development 125.....	3
Home Economics Education 151.....	3

TEXTILES AND CLOTHING

THIRD YEAR

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

FOURTH YEAR

Advanced Textiles 107.....	3	Advanced Textiles 108.....	3
Child Development 125.....	3		
Historic Costume 117.....	3		
Selection of House Furnishings 113.....	3		

GENERAL COURSE

THIRD YEAR

Cr. Hrs.		Cr. Hrs.	
Nutrition 119.....	3	Nutrition 120.....	3
Advanced Foods 115.....	3	Advanced Foods 116.....	3
		Home Management 122.....	3

FOURTH YEAR

Child Development 125.....	3
Selection of House Furnishings 113.....	3

GENERAL COLLEGE

21. TEXTILES. First semester. 3 credits.

22. CLOTHING. Second semester. 3 credits.

45-46. GENERAL FOODS. 3 credits each semester.

Laboratory fee, \$4.50 a semester. Credit not given for less than the full year's work.

53. HOME ECONOMICS SURVEY. First semester. 3 credits.

Fee, \$1 a semester.

UPPER COLLEGE

105-106. ADVANCED CLOTHING. 3 credits each semester.

107-108. ADVANCED TEXTILES. 3 credits each semester.

113. SELECTION OF HOUSE FURNISHINGS. First semester. 3 credits.

115-116. ADVANCED FOODS. 3 credits each semester. Prerequisite, 45-46. 1939-40 and alternate years. Fee, \$5 each semester.

117. HISTORIC COSTUME. First semester. 3 credits.

- 119-120. NUTRITION. 3 credits each semester. 1939-40 and alternate years. Credit not given for less than the full year's work.
122. HOME MANAGEMENT. Second semester. 3 credits.
125. CHILD DEVELOPMENT. First semester. 3 credits.
151. HOME ECONOMICS EDUCATION. 3 credits.

POLITICAL SCIENCE

PROFESSOR CRECRAFT, ASSOCIATE PROFESSOR SHERMAN
ASSISTANT PROFESSOR KING

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

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

GENERAL COLLEGE

41. AMERICAN NATIONAL GOVERNMENT. First semester. 3 credits.
42. AMERICAN STATE AND LOCAL GOVERNMENT. Second semester. 3 credits.
43. COMPARATIVE GOVERNMENT. Second semester. 3 credits.
44. AMERICAN DIPLOMACY. First semester. 3 credits.

UPPER COLLEGE

101. MUNICIPAL GOVERNMENT. First semester. 3 credits.
102. MUNICIPAL ADMINISTRATION. Second semester. 3 credits.
103. POLITICAL PARTIES. First semester. 3 credits.
104. POLITICAL THEORY. Second semester. 3 credits.
108. PARLIAMENTARY AND LEGISLATIVE PROCEDURE. Second semester. 3 credits. 1939-40 and alternate years.
109. GOVERNMENT AND SOCIAL WELFARE. First semester. 3 credits.
110. GOVERNMENT AND BUSINESS. Second semester. 3 credits.
111. ELEMENTARY LAW. Second semester. 3 credits. 1939-40 and alternate years.
205. CONSTITUTIONAL LAW. First semester. 3 credits.
206. MUNICIPAL CORPORATIONS. Second semester. 3 credits.
207. MUNICIPAL FINANCE. Second semester. 3 credits.
211. INTERNATIONAL RELATIONS. First semester. 3 credits.
212. INTERNATIONAL LAW. Second semester. 3 credits.
213. PUBLIC ADMINISTRATION. First semester. 3 credits.

SECRETARIAL SCIENCE

PROFESSOR DOUTT, ASSISTANT PROFESSOR FLINT, ASSISTANT PROFESSOR
TENNEY, MRS. SELF, MR. SUMMERSGILL, MISS COHEN,
MRS. LEISY, MISS DODGE

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

Admission: Admission to the department is open to all who have satisfactorily met the requirements of the Division of Social Sciences and who have completed one year of shorthand and typewriting (Courses 41-42 and 51-52 or equivalent). However, it is advisable to elect in the General College the following courses also: Secretarial Theory 21, Office Methods 26, and Accounting 41-42 or 21-22.

Requirements for Graduation: In addition to the regular requirements of the University for graduation, students must pass a general final examination (field of specialization only) in the senior year, and must complete satisfactorily the following courses: Secretarial Science 21, 26, 41-42, 51-52, 133, 143-144 (or 63-64 and 73-74) 165-166, 293, 296; Commerce 41-42 (or 21-22), 61, and 51 (or 141-142); and Economics 41 and 3 credits chosen from Economics 42, 44 or 48.

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

A program for students specializing in this field should include:

FIRST YEAR			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Secretarial Theory 21.....	3	Office Methods 26.....	3
SECOND YEAR			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Shorthand Theory 41.....	3	Shorthand Theory 42.....	3
Typewriting 51.....	2	Typewriting 52.....	2
Accounting 41 or 21.....	3	Accounting 42 or 22.....	3
THIRD YEAR			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Intermediate Dictation 143.....	4	Intermediate Dictation 144.....	4
Economics 41.....	3	Economics 42, 44 or 48.....	3
Business Law 51.....	3	Business Administration 61.....	3
Business Correspondence 133.....	3		
FOURTH YEAR			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Advanced Dictation 165.....	4	Advanced Dictation 166.....	4
Office Practice 193.....	3	Office Organization and Management 196.....	3

GENERAL COLLEGE

21. SECRETARIAL THEORY. Either semester. 3 credits.
23. SECRETARIAL THEORY. Either semester. 2 credits.
Given in the evening only.
26. OFFICE METHODS. Either semester. 3 credits.
31. TYPEWRITING. Either semester. 2 credits. Fee, \$1.
35. BUSINESS ENGLISH. Either semester. 2 credits.
- 41-42. SHORTHAND THEORY. 3 credits each semester.
Credit toward graduation is not given for less than a full year's work.
51. TYPEWRITING. First semester. 2 credits. Fee, \$1.

52. **ADVANCED TYPEWRITING 52: BUSINESS FORMS, TABULATING, AND DUPLICATING.** Second semester. 2 credits. Fee, \$1.
- 63-64. **ADVANCED SHORTHAND AND TRANSCRIPTION.** 4 credits each semester. Prerequisite, 42 or equivalent.
74. **SECRETARIAL TRAINING.** 2 credits. Prerequisite, 52. Must accompany Course No. 64. Fee, \$1.
- 83-84. **INTERMEDIATE DICTATION.** 3 credits each semester. Prerequisite, 42 and 52; also 35 and 93, or English 2. Fee, \$1 a semester.
85. **INTERMEDIATE DICTATION.** First semester. 2 credits. Prerequisite, Intermediate Dictation 84. Fee, \$1 a semester.
93. **BUSINESS LETTERS.** Either semester. 2 credits.

UPPER COLLEGE

133. **BUSINESS CORRESPONDENCE.** Either semester. 3 credits. Prerequisite, English 2.
- 143-144. **INTERMEDIATE DICTATION.** 4 credits each semester. Prerequisite, 42 and 52 or equivalent. Fee, \$1 a semester.
- 165-166. **ADVANCED DICTATION.** 4 credits each semester. Prerequisite, 144 (or 63-64 and 73-74 with only 8 hours credit allowed) or equivalent. Fee, \$1 a semester.
186. **ADVANCED DICTATION.** Second semester. 2 credits. Prerequisite, 85 or equivalent. Fee, \$1 a semester.
- 187-188. **ADVANCED DICTATION.** 3 credits each semester. Prerequisite, 186 or equivalent. Fee, \$1 a semester.
293. **OFFICE PRACTICE.** First semester. 3 credits. Prerequisite, 26 and 144.
296. **OFFICE ORGANIZATION AND MANAGEMENT.** Second semester, 3 credits. Prerequisite, 21, 26, and Commerce 61.

SOCIOLOGY

PROFESSOR DEGRAFF, MR. KRUSE, MR. THOMPSON

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

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

Students emphasizing social welfare work as their field of concentration are required to take Field Work, 111-112; Technique of Social Case Work 251-252; Theory of Social Work, 221; Government and Social Welfare, 109; Sanitation, 103-104; Community Organization, 206; Child Welfare, 117. Specific courses in economics, home economics, and biology are also recommended.

Students may do their supervised field work with the Summit County Children's Home, the Family Service Society, the Juvenile Court, or the City Hospital.

A course in statistics is recommended for all students.

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

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

GENERAL COLLEGE

41. INTRODUCTION TO SOCIOLOGY. First semester. 3 credits.
42. SOCIAL ATTITUDES. Second semester. 3 credits. Prerequisite, 41.
43. MODERN SOCIAL PROBLEMS. 3 credits.
45. SOCIAL ANTHROPOLOGY. First semester. 3 credits.

UPPER COLLEGE

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

COURSES OFFERED EACH YEAR

- 109-110. SEMINAR AND THESIS. 2 credits each semester. For seniors only. Required.
- 111-112. FIELD WORK. 3 credits for 150 hours of work. For seniors only.
- 251-252. TECHNIQUE OF SOCIAL CASE WORK. 2 credits.

COURSES OFFERED 1938-39 AND ALTERNATE YEARS

114. CRIMINOLOGY. Second semester. 3 credits.
205. THE SOCIOLOGY OF LEISURE TIME. First semester. 3 credits.
207. SOCIAL THEORY. First semester. 2 credits.
208. SOCIAL ORIGINS. Second semester. 2 credits.
210. POPULATION MOVEMENTS. Second semester. 3 credits.
221. THEORY OF SOCIAL WORK. First semester. 3 credits.

COURSES OFFERED 1939-40 AND ALTERNATE YEARS

104. LEADERSHIP. Second semester. 2 credits.
113. URBAN-RURAL SOCIOLOGY. First semester. 2 credits.
117. CHILD WELFARE. First semester. 3 credits.
204. THE FAMILY. Second semester. 3 credits.
206. COMMUNITY ORGANIZATION. Second semester. 3 credits.
213. THE JUVENILE DELINQUENT. First semester. 3 credits.
217. RACE RELATIONS. First semester. 3 credits.
A study of race from the biological, psychological and sociological points of view with special reference to the negro.

THE NATURAL SCIENCE DIVISION

OBJECTIVES OF THE NATURAL SCIENCE DIVISION

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

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

Graduate study in biology, chemistry, mathematics, physics.

The study of medicine.

The teaching of science in high school.

Technical laboratory work in rubber chemistry.

Technical laboratory work in applied physics.

Position as hospital technician.

Expert technical service (through the University Testing Laboratory).

BIOLOGY

PROFESSOR KRAATZ, ASSOCIATE PROFESSORS FOX AND ACQUARONE
ASSISTANT PROFESSOR JONES

Biology major students must secure 36 credits, though often 40 to 44 credits may be advisable.

Students who expect to enter the medical school must take the pre-medical course, which includes 32 credits of certain biological courses.

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

The trend in the Upper College may be in three directions: (1) General Biological, which may include any combination of Upper College biology courses, but including Biology Seminar; (2) Zoological, which must include Biology Seminar, General Genetics, Human Physiology (unless the pre-medical course in General Physiology is preferred) and at least two of the following: Invertebrate Zoology, Entomology, Vertebrate Anatomy, Vertebrate Embryology, and Organic Evolution; (3) Botanical, which must include Biology Seminar, Field Botany, Plant Physiology, and either General Genetics or at least one semester of Bacteriology.

Biological Problems, one or more credits a semester, is open to seniors who desire to work on some definite problem, a type of minor research. Such credit is ordinarily beyond the minimum of 36.

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

Required work in other Science Division departments: Chemistry, for some biology majors, Chemistry 21-22 and a second year, preferably either Organic Chemistry 44 and 107 or Organic Chemistry 35 and Physiological Chemistry 36, but for other biology majors, interested more in social sciences or in meeting requirements in the College of Education, only Chemistry 21-22.

Required outside the division are: Second year German, one semester of psychology and one semester of sociology. Suggested are a year of physics and a year of mathematics.

General Final Examination: All biology major and pre-med course students must take a general final examination covering in a comprehensive way all work taken in the department.

GENERAL COLLEGE

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

- 41-42. GENERAL GEOLOGY. 4 credits each semester. 1937-38 and alternate years. Laboratory fee, \$2.50 per semester.
- 51-52. GENERAL BOTANY. 4 credits each semester. Required of Biology Major students. Laboratory fee, \$4 per semester.
- 61-62. GENERAL ZOOLOGY. 4 credits each semester. Required of Biology Major and Pre-Medical Course students. Laboratory fee, \$4 per semester.
- 71-72. SANITATION. 3 credits each semester.
82. CONSERVATION OF NATURAL RESOURCES. Second semester. 3 credits.

Three lectures with class discussion per week. This course deals with mineral resources, and plant and animal resources of economic importance and with their conservation and scientific use. It serves as a link between certain aspects of biology and geology and the social sciences. Given in 1938-39 and alternate years.

UPPER COLLEGE

- 107-108. BACTERIOLOGY. 4 credits each semester.
Prerequisite 51-52 or 61-62, or with the consent of the instructor without 51-52 or 61-62 in the case of advanced home economics and chemistry majors, nurses, etc. Some knowledge of chemistry is essential. Required of pre-medical students. Laboratory fee, \$7.50 a semester; breakage fee, \$5 a semester.
- 113-114. FIELD BOTANY. 3 credits each semester.
May be taken to follow course 51-52, or with consent of instructor without 51-52 prerequisite. 1938-39 and alternate years. Laboratory fee, \$4.00 a semester.
- 215-216. PLANT PHYSIOLOGY. 4 credits each semester.
Prerequisite, 51-52 and knowledge of general chemistry and preferably also organic chemistry. 1939-40, and alternate years. Fee, \$6 a semester.
217. PLANT ANATOMY. First semester. 4 credits.
Prerequisite, 51-52. 1938-39 and alternate years.
- 135-136. HUMAN PHYSIOLOGY. 3 credits each semester.
This course meets the requirement for physiology in the home economics course, and is open also to biology majors. Two class periods and one laboratory period a week. 1939-40 and alternate years. Laboratory fee, \$4.00 a semester.
- 235-236. GENERAL PHYSIOLOGY. 3 credits each semester.
Prerequisite, General Zoology 61-62, General Chemistry, and Organic Chemistry. Two class periods and one 3-hour laboratory a week. Required of pre-medical students. 1938-39 and alternate years. Laboratory fee, \$4.00 a semester.

141. **INVERTEBRATE ZOOLOGY.** First semester. 4 credits.
Prerequisite 61-62. Two lectures and 6 hours of laboratory work a week. A more advanced study than in 61-62, of all invertebrate phyla and classes (exclusive of insects) with laboratory study of more and other types than used in 61-62. 1939-40 and alternate years. Laboratory fee, \$4.00.
144. **GENERAL ENTOMOLOGY.** Second semester. 4 credits.
Prerequisite, 61-62. 1939-40 and alternate years. Laboratory fee, \$4.00.
146. **GENERAL GENETICS.** Second semester. 3 credits.
Prerequisite, 51-52 or 61-62. May be taken by advanced sociology majors and certain others with consent of the instructor without 51-52 or 61-62. 1939-40 and alternate years. Fee, \$1.00.
148. **HUMAN GENETICS.** Second semester. 2 credits.
Prerequisite 61-62. May be taken by advanced sociology majors and certain others with the consent of the instructor without the departmental laboratory science requirement. Required of pre-medics. 1938-39 and alternate years. Fee, \$1.00.
151. **ORGANIC EVOLUTION.** First semester. 3 credits.
Prerequisite, 61-62 or 51-52, preferably 61-62, as the course is primarily animal evolution. 1939-40 and alternate years.
155. **VERTEBRATE ANATOMY.** First semester. 4 credits.
Required of pre-medical students. Prerequisites, 61-62. 1938-39 and alternate years. Laboratory fee, \$10.
256. **EMBRYOLOGY OF VERTEBRATES.** Second semester. 4 credits.
Required of pre-medical students. Prerequisite, 155. 1938-39 and alternate years. Laboratory fee, \$7.50.
265. **BIOLOGY SEMINAR.** First semester. 3 credits.
Required of all biology major seniors; not required of pre-medical students.
- 267-268. **BIOLOGICAL PROBLEMS.** 1 or more credits each semester.
Two continuous semesters are advisable. Open to seniors. Laboratory fee, \$2.00 a credit.

PRE-MEDICAL COURSE

For prerequisites, see General College section.

FIRST YEAR

First Semester		Cr. Hrs.	Second Semester		Cr. Hrs.
English 1		3	English 2		3
Hygiene and Physical Education 15		3	Hygiene and Physical Education 16		3
Introd. to Social Science 5		3	Introd. to Social Science 6		3
Mathematics 21		4	Mathematics 22		3
Inorganic Chemistry 21		4	Inorganic Chemistry 22		4
R. O. T. C. (men)		1	R. O. T. C. (men)		1
		17 or 18			16 or 17

SECOND YEAR

Int. Humanities 7	3	General Zoology 62	4
German 21	4	Org. Chem. (El.) 44	4
General Zoology 61	4	Int. Humanities 8	3
Qual. Analysis 43	5	German 22	4
R. O. T. C. (men)	1	R. O. T. C. (Men)	1
		16 or 17	15 or 16

THIRD YEAR

Bacteriology 107	4	Bacteriology 108	4
Org. Chem. (Int.) 107	4	Physics 52	4
Physics 51	4	German	3
German 43	3	Psychology	3
Elective	(2)	Elective	(2)
		17	16

FOURTH YEAR

Vert. Anatomy 155	4	Vertebrate Embryology 256	4
Gen. Physiology 235	3	Gen. Physiology 236	3
Physics (light) 53	4	Human Genetics 142	2
Quant. Analysis 105	4	Quant. Analysis 106	4
		Elective	(3)
		15	16

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

CHEMISTRY

PROFESSOR COOK, ASSISTANT PROFESSORS CRAMER, COOL,
HAAS, AND ANDERSON

Fellows in Rubber Chemistry: MR. FERREY (Firestone) AND
MR. LAATSCH (Goodyear)

In order that a student be properly qualified for admission to the prescribed work (listed below) in the Upper College, he must have completed in the General College the required courses in general education and in addition the following or their equivalent: Algebra and Trigonometry, 7 hours; Analytics and Calculus, 10 hours; Chemistry 21-22, 8 hours; Chemistry 43, 5 hours; Chemistry 44, 4 hours.

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

GENERAL COLLEGE

21-22. GENERAL INORGANIC CHEMISTRY. 4 credits each semester. No credit given toward graduation for less than the full year's work. Laboratory fee, \$10 a semester.

23-24. INORGANIC CHEMISTRY. 3 credits each semester. Laboratory fee, \$5 a semester. 1938-39 and alternate years.

43. QUALITATIVE ANALYSIS. First semester. 5 credits. Prerequisite, 22. Laboratory fee, \$10.

44. ELEMENTARY ORGANIC CHEMISTRY. Second semester. 4 credits. Prerequisite, 22. Laboratory fee, \$10.

Courses 23-24, 55, and 56 are for students not majoring in chemistry, and especially for Home Economics students specializing in Foods and Nutrition.

55. ORGANIC CHEMISTRY. First semester. 4 credits. Prerequisite, 24. Laboratory fee, \$10. 1939-40 and alternate years.

56. PHYSIOLOGICAL CHEMISTRY. Second semester. 4 credits. Prerequisite, 55 or its equivalent. Laboratory fee, \$10. 1939-40 and alternate years.

UPPER COLLEGE

THIRD YEAR		FOURTH YEAR	
	Cr. Hrs.		Cr. Hrs.
Introductory Physics 51-52.....	8	Advanced Physics 53 and elective.....	8
Intermediate Organic 107.....	4	Physical Chemistry 213-214.....	8
Advanced Organic 108.....	4	Special Topics 209.....	3
Quantitative Analysis 105-106.....	8	Industrial Chemistry.....	2
Chemical Calculations 118.....	2	Scientific German.....	4
German 21-22.....	8		

105-106. QUANTITATIVE ANALYSIS. 4 credits each semester. Prerequisite, 43-44. Laboratory fee, \$10 a semester.

107. INTERMEDIATE ORGANIC CHEMISTRY. First semester. 4 credits. Prerequisite, 44. Laboratory fee, \$10 a semester.

108. ADVANCED ORGANIC CHEMISTRY. Second semester. 4 credits. Prerequisite, 107. Laboratory fee, \$10.

118. CHEMICAL CALCULATIONS. Second semester. 2 credits. Prerequisite, 43-44.

131-132. ENGINEERING CHEMISTRY. See Engineering College.

133-134. METALLURGY. See Engineering College.

209. SPECIAL TOPICS IN ORGANIC CHEMISTRY. First semester. 3 credits.

213-214. PHYSICAL CHEMISTRY. 5 credits each semester. Prerequisite, 106-107 and Physics 51-52. Laboratory fee, \$8 a semester.

215-216. CHEMISTRY OF RUBBER TECHNOLOGY. 4 credits each semester. Prerequisites, 106-107. Laboratory fee, \$15 a semester.

250. INDUSTRIAL CHEMISTRY. Second semester. 2 credits.

- 307-308. ORGANIC ANALYSIS, QUALITATIVE OR QUANTITATIVE. 2 credits each semester. Prerequisite, 106 and 108. Laboratory fee, \$8 a semester.
- 313-314. CHEMICAL THERMODYNAMICS. 2 credits each semester. Prerequisite, 214 and Calculus.
- 315-316. RESEARCH. 3 credits each semester.
The fee varies according to the number of hours elected. Open to properly qualified students.
- 321-322. ADVANCED INORGANIC PREPARATIONS. 2 credits each semester. Prerequisite, 106-107, 214. Laboratory fee, \$8 a semester.
324. COLLOID CHEMISTRY. Second semester. 2 credits. Prerequisite, 108 and 214.
326. CHEMISTRY OF LATEX TECHNOLOGY. 3 credits.

Courses 313-314, 321-322, 324 and 326 are offered only when the demand warrants.

MATHEMATICS

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

All students whose work of concentration lies in the Division of Natural Science, except those in the Biological Sciences, must have taken in the General College Mathematics 21, 22, 43-44, 45-46.

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

GENERAL COLLEGE

21. COLLEGE ALGEBRA. Either semester. 4 credits.
Students enrolled in algebra who prove to be inadequately prepared will be required to attend class two extra periods each week, without credit, in order to review fundamentals.
22. TRIGONOMETRY. Either semester. 3 credits.
- 43-44. ANALYTIC GEOMETRY. 2 credits each semester. Prerequisite, 21 and 22.
45. DIFFERENTIAL CALCULUS. First semester. 3 credits. Prerequisite, 21 and 22. Course 43 must be taken either before or with 53.
46. INTEGRAL CALCULUS. Second semester. 3 credits. Prerequisite, 53.
58. BUSINESS MATHEMATICS. Either semester. 3 credits. Prerequisite, 21.

UPPER COLLEGE

104. HISTORY OF MATHEMATICS. Second semester. 3 credits. Pre-requisite, 21-22 or 31-32. 1938-39 and alternate years.
105. HISTORY OF MATHEMATICS. Summer session. 2 credits. Pre-requisite, 21-22 or 31-32.
121. MATHEMATICS OF INSURANCE. First semester. 3 credits. Pre-requisite, 58. 1938-39 and alternate years.
- 125-126. ASTRONOMY. 2 credits each semester. Prerequisite, 21-22 or 31-32. 1939-40 and alternate years.
- 201-202. ADVANCED CALCULUS. 2 credits each semester. Prerequisite, 46 or 56. 1939-40 and alternate years.
- 203-204. DIFFERENTIAL EQUATIONS. 2 credits each semester. Pre-requisite, 46 or 56. 1938-39 and alternate years.
205. THEORY OF EQUATIONS. First semester. 3 credits. Prerequisite, 46 or 56. 1939-40 and alternate years.
206. HIGHER GEOMETRY. Second semester. 3 credits. Prerequisite, 46 or 56. 1938-39 and alternate years.
207. HIGHER ALGEBRA. First semester. 3 credits. Prerequisite, 46 or 56. 1938-39 and alternate years.
- 213-214. PRACTICAL MATHEMATICS. 1 credit each semester. Prerequisite, 46 or 56. 1939-40 and alternate years.

PHYSICS

PROFESSOR HOUSEHOLDER, ASSISTANT PROFESSORS FOUTS AND GRAY

Students who desire to elect physics as their field of concentration should elect at least eight hours of mathematics and eight hours of physics in the General College. In addition to this it will be necessary to have another year of each unless they have removed part of the requirement in chemistry or in German. Students who plan to continue their academic training in the graduate school should elect Physics 51, 52, 53, mathematics through the calculus and German in the General College. Students who are more interested in the applications of physics would find courses 21-22-43 and 44 more suited to their needs. They should also elect two years of mathematics in the General College. Such students may substitute Engineering courses for the German. A total of 32 hours of physics including the courses offered in General College and Physics 203, 209-210 and 221-222, together with Chemistry 21, 22, 43 and 44 and the Calculus, are required. No student may be admitted unconditionally into the Upper Division, who has not satisfied all of the requirements of the General College.

The following schedule is suggested in order to facilitate the better sequence of courses: Third year—Applied Mechanics and Physics 306; Chemistry 21 and 22; either German or Engineering 125 and 126, or 188 and 190; and electives. Fourth year—Physics 209, 210 and 221, 222; Chemistry 43-44, Analysis and Elementary Organic; Scientific German, or Engineering 105, 106, or 185, 186; and electives.

GENERAL COLLEGE

- 21-22. MECHANICS. 4 credits each semester. Required of all students who plan to enter the Engineering College or major in Applied Physics. Students in this course must have completed the freshman mathematics courses or be taking them. Two recitation and two laboratory periods a week. Laboratory fee, \$4 each semester.

51-52. GENERAL PHYSICS. 4 credits each semester. Three lectures and one laboratory period a week. The laboratory work may be omitted with corresponding loss of credit. Laboratory fee, \$2 each semester.

53. OPTICS. First semester. 4 credits. Three lectures and one laboratory period a week. Laboratory fee, \$2.

43-44. HEAT, MAGNETISM, ELECTRICITY, SOUND AND LIGHT. A continuation of 21-22. Required of all students who plan to enter Engineering College or major in Applied Physics. Prerequisite: Algebra, Trigonometry, and Physics 21-22. The student should also be taking sophomore mathematics. Three recitations and one laboratory period a week. Laboratory fee, \$2 each semester.

UPPER COLLEGE

203-304. ADVANCED ELECTRICITY AND MAGNETISM. 4 credits each semester. Prerequisite, Physics 44 (or 52) and Calculus. Laboratory fee, \$2 a semester.

209-210. ADVANCED PHYSICAL MEASUREMENTS. 2 credits each semester. A thesis course. Laboratory fee, \$4 a semester.

221-222. COLLOQUIUM. 1 credit each semester.

302. THEORETICAL MECHANICS. Second semester. 3 credits. Prerequisite, Physics 145 and Differential Equations.

306. PHYSICAL OPTICS. Second semester. 4 credits. Prerequisites, Physics 203, 204, and Calculus. Laboratory fee, \$2 a semester.

307-308. ATOMIC STRUCTURE. 3 credits each semester. Prerequisites, Physics 203-304.

311-312. THERMODYNAMICS. 3 credits each semester.

314. X-RAYS. 4 credits. Prerequisites, Physics 53 and 203, and Calculus. Three lectures and one laboratory period a week. Laboratory fee, \$2.

THE COLLEGE OF ENGINEERING

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

GENERAL INFORMATION

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

THE CO-OPERATIVE PLAN

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

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

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

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

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

Moreover, strict adherence to the fundamentals still leaves room for flexibility with which to meet changing industrial conditions. For example, the prevalence of the 24 to 36 hour week in Akron together with the four-shift plan made it both possible and desirable for students to work and attend college at the same time. Of course, their classroom load was adjusted correspondingly.

Employment conditions are now such that the alternating plan is preferable. Therefore, beginning in September, 1937, third and fourth year engineering students will alternate between work and school by nine-week periods.

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.

ENGINEERING OPPORTUNITIES

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

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

In order to conduct a co-operative course, the college must be located in or near an industrial center, and, while there are 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 engineering education was selected as being 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 endeavor so to plan the work that the student gets a carefully graded training, beginning with work requiring no skill or experience and ending with actual professional work. This work is required and begins with the students' admission to the Upper College. The alternation is by nine-week periods until the last semester of the senior year, the whole of which is spent in college.

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

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

WAGES

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

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

DEGREES

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

MILITARY SCIENCE AND TACTICS

Military training under the direct supervision of the United States Government is required of all male students physically fit. Men entering the College of Engineering are required to take the two-year basic course. All freshmen are urged to attend the basic camp at the end of the freshman year.

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

PROMOTION

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

ESTIMATED EXPENSE OF FIRST YEAR

FIRST SEMESTER

	Resident	Non-Resident
Tuition.....	Free	\$ 90.00
Fees.....	\$ 59.50	59.50
Books and Drawing Instruments.....	40.00	40.00
Total.....	\$ 99.50	\$189.50

SECOND SEMESTER

	Resident	Non-Resident
Tuition.....	Free	\$ 90.00
Fees.....	\$ 45.50	45.50
Books.....	8.00	8.00
Total.....	\$ 53.50	\$143.50

OUTLINE OF REQUIRED COURSES

THE GENERAL COLLEGE

FIRST YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Military Science and Tactics	1½	Military Science and Tactics	1½
Hygiene and Physical Education 15	3	Hygiene and Physical Education 16	3
Physics 21 (Mechanics)	4	Physics 22 (Mechanics)	4
Math. 21 (Algebra)	4	Math. 22 (Trigonometry)	3
English 1	3	English 2	3
Engineering Drawing 21	2	Engineering Drawing 22	2
Surveying 21	1	Surveying 22	1
		Personnel Problems 21	1
	18½	Survey of Engineering 24	1
			19½

SECOND YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Military Science and Tactics	1½	Military Science and Tactics	1½
Physics 43 (Heat and Electricity)	4	Physics 44 (Electricity, Light, and Sound)	4
Math. 33 (Analytic Geometry)	2	Math. 56 (Integral Calculus)	3
Math. 55 (Differential Calculus)	3	Strength of Materials CE 46	3
*Machine Drawing ME 23 or *Shop Practice ME 49	2	*Machine Drawing ME 23 or *Shop Practice ME 49	2
**Surveying CE 43	3	**Engineering Geology CE 44	3
Descriptive Geometry ME 44	3	Heat Power Engineering ME 46	3
Elective	3	Elements of Electrical Engineering EE 58	3
	18½		19½

* For Mechanical and Electrical Engineering students.

** For Civil Engineering students.

The first two years the student is enrolled in the General College, and attends classes full time. During the third and fourth years, and the first semester of the fifth year, he attends classes one-half of each semester and works in industry the other half. The last semester of the senior year, he attends classes full time.

All of the above credit hours are on the full-time basis.

Fifth year students on the full-time plan will follow the curriculum listed in the 1936-37 catalog.

CIVIL ENGINEERING

PROFESSORS DURST AND *GILMOUR, ASSOCIATE PROFESSOR BULGER

OUTLINE OF COURSES

PRE-JUNIOR YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Engineering Chemistry 131	2½	Engineering Chemistry 132	2½
Practical Mathematics 213	1	Practical Mathematics 214	1
Applied Mechanics CE 109	1½	Applied Mechanics CE 110	1½
Strength of Materials CE 117	1½	Strength of Materials CE 118	1½
Elements of Electrical Engineering EE 123	3	Surveying CE 101	3
	9½		9½

JUNIOR YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
English 61 (Report Writing)	1	English 62 (Report Writing)	1
Roofs and Bridges CE 103	2½	Roofs and Bridges CE 104	2½
Route Surveying CE 108	3	Highways CE 107	3
Concrete Laboratory CE 112	1	Structural Design CE 114	3
Hydraulics ME 184	2½		9½
	10		

*Professor of Coordination

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Water Supply CE 115.....	3	Sewerage CE 116.....	3
Structural Design CE 121.....	3½	Structural Design CE 124.....	5
Statically Indeterminate Structures CE 123.....	3	Thesis CE 126.....	2
	9½	Elective in Industrial Engineering.....	3
		Economics.....	3
		Elective.....	2
			18

All credit hours are based on an eighteen-week period.

The Pre-Junior, Junior, and Senior years are on the co-operative basis with the exception of the second semester of the Senior year when the students are in school full time.

The above courses are required for the degree of Bachelor of Civil Engineering. In no case, however, will a degree be awarded until the student has passed, with necessary quality points, a minimum of 142 credit hours.

Fifth year students on the full-time plan will follow the curriculum listed in the 1936-37 catalog.

The numbers in parenthesis are the numbers by which the courses were designated in last year's catalog.

GENERAL COLLEGE

- 21-22. SURVEYING. Each semester. 1 credit. Laboratory fee, \$2.00 each semester.
24. SURVEY OF ENGINEERING. Second semester. 1 credit. Lectures, readings, and motion pictures covering scope of the work in various branches of engineering.
43. (41-42) SURVEYING. First semester. 2 credits. Laboratory fee, \$2.00.
44. (110) ENGINEERING GEOLOGY. Second semester. 2 credits.
46. (105) STRENGTH OF MATERIALS. Second semester. 3 credits. Laboratory fee \$2.00.

UPPER COLLEGE

101. SURVEYING. Second semester. 3 credits. Prerequisite, 21-22. Laboratory fee \$2.00.
102. STRUCTURAL DRAWING. Second semester. 2 credits.
- 103-104. ROOFS AND BRIDGES. Each semester. 2½ credits.
107. (109) HIGHWAYS. Second semester. 3 credits.
108. ROUTE SURVEYING. First semester. 3 credits. Prerequisite, 101. Laboratory fee \$2.00.
- 109-110. (145) APPLIED MECHANICS. Each semester. 1½ credits. Prerequisite, Math. 56 and Physics 44.
112. CONCRETE LABORATORY. First semester. 1 credit. Laboratory fee \$1.00.
114. (119) STRUCTURAL DESIGN. Second semester. 3 credits. Simple steel structures. Prerequisite 118.
115. WATER SUPPLY. First semester. 3 credits. Prerequisite, Hydraulics.
116. SEWERAGE. Second semester. 3 credits. Prerequisite, Hydraulics.

117-118. (106-107) STRENGTH OF MATERIALS. Each semester. $1\frac{1}{2}$ credits.
Prerequisites, Calculus, Physics, and 46.

121. STRUCTURAL DESIGN. First semester. $3\frac{1}{2}$ credits.
Students may continue steel and wood structures or begin the study of concrete structures.

123. STATICALLY INDETERMINATE STRUCTURES. First semester. 3 credits.
Redundant structures.

124. STRUCTURAL DESIGN. Second semester. 5 credits.
Reinforced concrete structures.

126. THESIS. Second semester. 2 credits.
An approved design or research project.

ELECTRICAL ENGINEERING

PROFESSOR WALTHER, ASSISTANT PROFESSOR SMITH

OUTLINE OF COURSES

PRE-JUNIOR YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Engineering Chemistry 131.....	2½	Engineering Chemistry 132.....	2½
Practical Mathematics 213.....	1	Practical Mathematics 214.....	1
Applied Mechanics CE 109.....	1½	Applied Mechanics CE 110.....	1½
Strength of Materials CE 117.....	1½	Strength of Materials CE 118.....	1½
Elements of Electrical Engineering EE 123.....	3	Elements of Electrical Engineering EE 124.....	3
	9½		9½

JUNIOR YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
English 61 (Report Writing).....	1	English 62 (Report Writing).....	1
Industrial Engineering IE 147.....	1½	Industrial Engineering IE 148.....	1½
Hydraulics ME 184.....	2½	Machine Design ME 178.....	2½
Electricity and Magnetism EE 145.....	2	Electricity and Magnetism EE 146.....	2
Alternating Current Circuits EE 147.....	3	Electrical Measurements EE 136.....	2½
	10		9½

SENIOR YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Engineering Electronics EE 149.....	2½	Radio Communication and Electron Tube Applications EE 150.....	3
Alternating Current Machinery EE 139.....	2	Alternating Current Machinery and Power Transmission EE 140.....	4
Alternating Current Laboratory EE 141.....	2½	Senior Electrical Engineering Problems EE 142.....	5
Thermodynamics ME 189.....	2½	Economics.....	3
	9½	Electives.....	3
			18

SENIOR YEAR (Industrial Engineering Option)

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Time Study IE 157.....	1	Motion Study IE 158.....	1
Industrial Production Problems IE 155.....	1½	Industrial Management Problems IE 156 or Personnel Administration IE 154.....	3
Alternating Current Machinery EE 139.....	2	Engineering Accounting 126.....	3
Alternating Current Laboratory EE 141.....	2½	Economics.....	3
Engineering Electronics EE 149.....	2½	Alternating Current Machinery and Power Transmission EE 140.....	4
	9½	Senior Electrical Engineering Problems EE 142.....	5
			19

All credit hours are based on an eighteen-week period.

The Pre-Junior, Junior and Senior years are on the co-operative basis with the exception of the second semester of the Senior year when the students are in school full time.

The above courses are required for the degree of Bachelor of Electrical Engineering. In no case, however, will a degree be awarded until the student has passed, with necessary quality points, a minimum of 142 credit hours.

Fifth year students on the full time plan will follow the curriculum listed in the 1936-37 catalog.

GENERAL COLLEGE

58. ELEMENTS OF ELECTRICAL ENGINEERING. Second semester. 3 credits. Two recitations and one three-hour laboratory period. Prerequisite, Physics 43. Laboratory fee \$3.00.

UPPER COLLEGE

123-124. ELEMENTS OF ELECTRICAL ENGINEERING. Each semester. 3 credits.

Four recitations, one two-hour computing period, one three-hour laboratory period. Prerequisite, 58. Laboratory fee \$3.00.

136. ELECTRICAL MEASUREMENTS. Second semester. $2\frac{1}{2}$ credits. One recitation and two four-hour laboratory periods. Prerequisite, 124. Laboratory fee \$3.00.

139. ALTERNATING CURRENT MACHINERY. First semester. 2 credits. Prerequisite, 147. Concurrent with 141.

140. ALTERNATING CURRENT MACHINERY AND POWER TRANSMISSION. Second semester. 4 credits. Prerequisite, 139. Concurrent with 142.

141. ALTERNATING CURRENT LABORATORY. First semester. $2\frac{1}{2}$ credits. Concurrent with 139. Laboratory fee \$4.00.

142. SENIOR ELECTRICAL ENGINEERING PROBLEMS. Second semester. 5 credits. Concurrent with 140. Laboratory fee \$4.00.

145-146. ELECTRICITY AND MAGNETISM. Each semester. 2 credits. Prerequisite, 123.

147. ALTERNATING CURRENT CIRCUITS. First semester. 3 credits. Three recitations and two three-hour laboratory periods. Prerequisite, 124. Laboratory fee \$3.00.

149. ENGINEERING ELECTRONICS. First semester. $2\frac{1}{2}$ credits. Three recitations. One four-hour laboratory period. Prerequisite, 124. Laboratory fee \$3.00.

150. RADIO COMMUNICATION AND ELECTRON TUBE APPLICATIONS. Second semester. 3 credits. One recitation and one four-hour laboratory period. Prerequisite, 149. Laboratory fee \$3.00.

21-22. INDUSTRIAL ELECTRICITY. Each semester. 4 credits. Includes one two-hour laboratory period. Prerequisite, High School Algebra. Laboratory fee \$2.00.

43-44. ADVANCED INDUSTRIAL ELECTRICITY. Each semester. 2 credits. Includes one two-hour laboratory period. Not offered in 1938-39. Prerequisite, 22. Laboratory fee \$2.00.

55-56. INDUSTRIAL ELECTRONICS. Each semester. 2 credits.
Includes one two-hour laboratory period. Prerequisite, 22. Laboratory
fee \$2.00.

INDUSTRIAL ENGINEERING COURSES

PROFESSOR ADENDORFF

GENERAL COLLEGE

21. PERSONNEL PROBLEMS. Second semester. 1 credit.

UPPER COLLEGE

- 147-148. INDUSTRIAL ENGINEERING. Each semester. 1½ credits.
149-150. RUBBER PRODUCTION METHODS. Each semester. 1½ credits.
151. METAL PROCESSES. First semester. 3 credits.
Pattern Shop, Foundry, and Machine Shop.
153. HUMAN ENGINEERING. First semester. 3 credits.
154. PERSONNEL ADMINISTRATION. Second semester. 3 credits.
155. INDUSTRIAL PRODUCTION PROBLEMS. First semester. 1½ credits.
156. INDUSTRIAL MANAGEMENT PROBLEMS. Second semester. 3 credits.
157. TIME STUDY. First semester. 1 credit.
158. MOTION STUDY. Second semester. 1 credit.
One recitation alternating with laboratory period.
160. SEMINAR. Second semester. 2 credits.

Fourth and fifth year students will follow the curriculum listed in the
1937-38 catalog.

MECHANICAL ENGINEERING

PROFESSOR GRIFFIN, ASSOCIATE PROFESSOR UPP,

ASSISTANT PROFESSOR WILSON, MR. STOTLER, MR. MACLACHLAN

OUTLINE OF COURSES

PRE-JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Engineering Chemistry 131	2½	Engineering Chemistry 132	2½
Practical Mathematics 213	1	Practical Mathematics 214	1
Applied Mechanics CE 109	1½	Applied Mechanics CE 110	1½
Strength of Materials CE 117	1½	Strength of Materials CE 118	1½
Elements of Electrical Engineering EE 123	3	Elements of Electrical Engineering EE 124	3
	9½		9½

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 61 (Report Writing)	1	English 62 (Report Writing)	1
Industrial Engineering IE 147	1½	Industrial Engineering IE 148	1½
Hydraulics ME 184	2½	Machine Design ME 178	2½
Mechanism ME 172	2½	Mechanism Drawing ME 174	1
Thermodynamics ME 189	2½	Mechanical Engineering Laboratory ME 182	2
	10	Chemistry, 136 (Fuels and Combustion)	1½
			9½

SENIOR YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Steam Power Plants ME 185	2	Machine Design ME 179	4
Gas and Oil Engines ME 190	2½	Special Mechanical Engineering Problems ME 194	3
or Refrigeration ME 192		Steam Power Plants ME 186	3
Heating and Air Conditioning ME 187	3	Inspection Trips ME 196	1
Mechanical Engineering Laboratory ME 183	2½	Metallurgy 133	3
		Economics	3
	10	Elective	2
			19

SENIOR YEAR

(Industrial Engineering Option)

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Time Study IE 157	1	Motion Study IE 158	1
Industrial Production Problems IE 155	1½	Industrial Management Problems IE 156	3
Mechanical Engineering Laboratory ME 183	2½	Personnel Administration IE 154	3
Steam Power Plants ME 185	2	Engineering Accounting 126	3
Heating and Air Conditioning ME 187	3	Economics	3
		Machine Design ME 179	4
	10	Inspection Trips ME 196	1
			18

All credit hours are based on an eighteen-week period.

The Pre-Junior, Junior and Senior years are on the co-operative basis with the exception of the second semester of the Senior year when the students are in school full time.

The above courses are required for the degree of Bachelor of Mechanical Engineering. In no case, however, will a degree be awarded until the student has passed, with necessary quality points, a minimum of 142 credit hours.

Fifth year students on the full time plan will follow the curriculum listed in the 1936-37 catalog.

The numbers in parenthesis are the numbers by which the courses were designated in last year's catalog.

GENERAL COLLEGE

- 21-22. ENGINEERING DRAWING. 2 credits each semester.
23. (176) MACHINE DRAWING. Either semester. 2 credits.
Prerequisite, 22.
44. DESCRIPTIVE GEOMETRY. First semester. 3 credits.
Prerequisite, 22.
46. HEAT POWER ENGINEERING. Second semester. 3 credits.
Prerequisite, Physics 43.
49. (49-50) SHOP PRACTICE. Either semester. 2 credits.
Laboratory fee, \$3.00.

UPPER COLLEGE

172. MECHANISM. First semester. 2½ credits.
174. MECHANISM DRAWING. Second semester. 1 credit.
Prerequisite, 172.
178. MACHINE DESIGN. Second semester. 2½ credits.
Prerequisite, C. E. 118.
179. MACHINE DESIGN. Second semester. 4 credits.
Prerequisite, 178.
180. MACHINE DESIGN. 2 credits.
182. MECHANICAL ENGINEERING LABORATORY. Second semester.
2 credits. Laboratory fee \$2.00.

183. MECHANICAL ENGINEERING LABORATORY. First semester.
2½ credits. Laboratory fee \$2.00.
184. HYDRAULICS. First semester. 2½ credits. Prerequisite, Math. 56.
- 185-186. STEAM POWER PLANTS. First semester. 2 credits; second
semester. 3 credits. Prerequisite, 46.
187. HEATING AND AIR CONDITIONING. First semester. 3 credits.
Prerequisite, Physics 43.
189. THERMODYNAMICS. First semester. 2½ credits.
Prerequisite, Math. 56.
190. GAS AND OIL ENGINES. First semester. 2½ credits.
Prerequisite, 189.
192. REFRIGERATION. First semester. 2½ credits. Prerequisite, 189.
194. SPECIAL MECHANICAL ENGINEERING PROBLEMS. Second semester.
3 credits. Laboratory fee \$3.00.
196. INSPECTION TRIPS. Second semester. 1 credit.

OTHER COURSES FOR ENGINEERING STUDENTS

CHEMISTRY

ASSISTANT PROFESSOR ANDERSON

131. ENGINEERING CHEMISTRY. First semester. 2½ credits.
Laboratory fee \$5.00.
132. ENGINEERING CHEMISTRY. Second semester. 2½ credits.
Laboratory fee \$5.00.
133. METALLURGY OF IRON AND STEEL. Second semester. 3 credits.
Laboratory fee \$7.50.
134. METALLURGY (ADVANCED). Second semester. 3 credits.
Laboratory fee \$7.50.
136. CHEMISTRY. (FUELS AND COMBUSTION). Second semester.
1½ credits.

ENGLISH

ASSISTANT PROFESSOR RAW

- 61-62. ENGLISH (REPORT WRITING). Each semester. 1 credit. 9 week
basis.

THE COLLEGE OF EDUCATION

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

GENERAL INFORMATION

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

The University of Akron is so organized that students in any college may take courses in other colleges. This enables the College of Education to use the facilities of the whole University in the preparation of teachers. The College of Education has for its first major purpose the professional preparation of teachers. Attention will be given, however, to the development of characteristics and qualities which are equally important, such as a broad and liberal education, strong and pleasing personality, and desirable character. All of the facilities of the University will be used for strengthening the academic, professional, 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, Saturday, and Summer Session courses are offered. These courses are designed to strengthen the academic preparation, to improve professional mastery, and to inspire and lead teachers to a clearer conception of their responsibilities and privileges.

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

COURSES OF STUDY AND DEGREES

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

Each student is required to pass a qualifying examination before entering upon Practice Teaching, or before graduation if his Practice Teaching requirement has been satisfied before enrolling at the University of Akron.

The Department of Psychology is allocated to the College of Education and is open to students in the Arts College or the College of Education who wish to make Psychology their field of concentration. The College of Liberal Arts also offers a combined major in Philosophy and Psychology.

The State of Ohio permits teaching in the elementary schools following a two-year diploma program. Such a course is offered for those who feel that they cannot give more than two years at the beginning to preparation. Most students plan to take four years or more. Four years are required for high school teaching, and five years are desirable. The first two years of the student's preparation are given over to general education in the General College. During the second year, however, if the student anticipates entering the College of Education he should plan to take certain definite prerequisite courses.

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

Students who complete a prescribed four-year curriculum of 128 semester hours and have the required quality of work are entitled to receive the Bachelor of Arts in 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 who has the necessary background for advanced study. The Master's degree is granted upon the completion of 30 semester hours of study.

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

A more complete description of the requirements for graduate degrees will be found in the section headed Graduate Study.

REQUIREMENTS FOR ADMISSION TO THE COLLEGE OF EDUCATION

1. Each student must have secured a quality point ratio of two in all work carried.
2. Each student is required to pass an examination on the introductory courses in the General College.
3. Each student must pass an examination in written English.

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

5. Students planning to major in special fields (physical education, music, etc.) must take an examination planned by the special department.

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

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

TWO-YEAR ELEMENTARY COURSE

Courses	Cr. Hrs.
English	6
Introduction to Social Science	6
Introduction to Natural Science	6
Introduction to Humanities	6
Hygiene and Physical Education	6
Introduction to Education	3
Art	2
Music	3
Story Telling	2
Tests and Measurements	2
Reading Content and Method	3
Arithmetic Content and Method	2
Select 2 of the following 3:	
Language Content and Method	2
Science Content and Method	2
Social Science Content and Method	2
School Administration	2
General and Educational Psychology	6
Principles of Teaching	3
Student Teaching	4
Total	66

BASIC REQUIREMENTS FOR ALL DEGREES

1. General education and prerequisite pre-professional requirements:

	Cr. Hrs.
English 1-2	6
Hygiene, Physical and Mental 15-16	6
Introduction to Social Science 5-6	6
Introduction to Humanities 7-8	6
Introduction to Natural Science 9-10	6
General Psychology 41	3
Educational Psychology 52	3
Introduction to Education 55	3
Fundamentals of Speech 76	3
Literature	6
Mathematics, Foreign Language, or Accounting	6-8
Military Science and Tactics (Men)	6

2. Professional Courses:

	Cr. Hrs.
Tests and Measurements 105	2
School Management 115	2
Student Teaching 124	6
Educational Problems 201	3

REQUIREMENTS FOR THE A. B. IN EDUCATION

Each student expecting to receive the Bachelor of Arts in Education degree is required to have one major and two minors according to the following definitions, in addition to the Basic Requirements for a Degree on preceding page.†

Students planning to teach in the high schools of the city of Akron are advised to complete a 5-year program.

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.

COURSE	H. S. Units as a Prerequisite	MAJOR 36 Cr. Hrs.	MINOR 20 Cr. Hrs.
*English	3	Composition 6 Literature 15 Speech 3	
History (Including Political Science)	2	30	18
*Social Science	1	30 Economics Sociology Philosophy Geography	18
Mathematics	2	20 College Algebra Trigonometry Analytical Geometry Calculus Statistics Commercial Arithmetic	14
Biological Science	1	24 Zoology 8 Field Botany 6 Botany 3 Entomology 4 Physiology 3	1
Physical Science	1	24 Chemistry 8 Physics 8	18
Earth Science	1	20 Geology 8 Geography 8	16
Latin	2	18	12
*French	2	24	18
*German			
*Spanish			
Music (Special)		60	20
Commercial		40	20
Physical Education		40	20
Fine Arts		40	20
Industrial Arts		40	20
Vocational Education		40	20
Home Economics		40	20

* Including General Course requirements.

† A course in the Methods of Teaching is required and may be included as a part of the major.

SEQUENCE OF PRE-PROFESSIONAL AND PROFESSIONAL COURSES

SECOND YEAR GENERAL COLLEGE

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

FIRST YEAR UPPER COLLEGE

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

SECOND YEAR UPPER COLLEGE

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Educational Problems	3	Student Teaching	6
		School Management	2

OR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Student Teaching	6	Educational Problems	3
School Management	2		

FOR THE B. S. DEGREE IN EDUCATION

This degree is awarded to students who are completing curricula designed for the preparation of teachers in the elementary school and in the special subjects such as art, commerce, home economics, etc.

The basic requirements for all degrees, as shown on preceding pages, serve as a background for the following curricula. Where a curriculum is completely outlined, it is intended to be suggestive rather than rigid.

KINDERGARTEN-PRIMARY COURSE

In addition to the basic requirements, students must complete the following:

	Cr. Hrs.
Structural Art 21.....	2
Sight Singing 81-82.....	2
Story Telling 83-84.....	6
Kindergarten-Primary Music 85-86.....	4
Children's Literature 86.....	3
Child Psychology 105.....	3
Principles of Teaching 109.....	3
Art for the Grades 121.....	2
Child Development 125.....	3
Play Materials 126.....	2
Kindergarten-Primary Methods 127-128.....	6

Students majoring in this field are granted a special certificate which entitles them to teach in kindergarten or first grade only.

For a major in this course of study, the student must pass a music test before entering Upper College.

PRIMARY-ELEMENTARY COURSE

FIRST YEAR GENERAL COLLEGE

First Semester		Cr. Hrs.	Second Semester		Cr. Hrs.
English 1.....	3		English 2.....	3	
Hygiene, Physical and Mental 15.....	3		Hygiene, Physical and Mental 16.....	3	
Introduction to Social Science 5.....	3		Introduction to Social Science 6.....	3	
Foreign Language.....	3 or 4		Foreign Language.....	3 or 4	

SECOND YEAR GENERAL COLLEGE

Introduction to Humanities 7.....	3	Introduction to Humanities 8.....	3
Introduction to Natural Science 9.....	3	Introduction to Natural Science 10.....	3
General Psychology 41.....	3	Educational Psychology 52.....	3
Sight Singing 81.....	2	Introduction to Education 55.....	3
Literature.....	3	Literature.....	3

THIRD YEAR, COLLEGE OF EDUCATION

Structural Art 21.....	2	Story Telling 84.....	3
Story Telling 83.....	3	Children's Literature 86.....	3
Kindergarten-Primary Music 85.....	2	Kindergarten-Primary Music 86.....	2
Principles of Teaching 109.....	3	Primary Methods 132.....	3
Primary Methods 131.....	3	Fundamentals of Speech 76.....	3
Reading 135.....	3		

FOURTH YEAR, COLLEGE OF EDUCATION

Child Psychology 105.....	3	Tests and Measurements 105.....	2
Art for the Grades 121.....	2	School Management 115.....	2
Play Materials 126.....	2	Student Teaching 124.....	6
Educational Problems 201.....	3		

FOUR YEAR ELEMENTARY COURSE

The following outline is furnished for the guidance of students preparing for elementary school teaching.

FIRST YEAR, GENERAL COLLEGE

First Semester		Cr. Hrs.	Second Semester		Cr. Hrs.
English 1.....	3		English 2.....	3	
Hygiene, Physical and Mental 15.....	3		Hygiene, Physical and Mental 16.....	3	
Introduction to Social Science 5.....	3		Introduction to Social Science 6.....	3	
Foreign Language.....	3 or 4		Foreign Language.....	3 or 4	
Military Training (Men).....	1½		Military Training (Men).....	1½	

SECOND YEAR, GENERAL COLLEGE

Introduction to Humanities 7.....	3	Introduction to Humanities 8.....	3
Introduction to Natural Science 9.....	3	Introduction to Natural Science 10.....	3
General Psychology 41.....	3	Educational Psychology 52.....	3
Introduction to Education 55.....	3	Story Telling 83.....	3
Literature.....	3	Literature.....	3
Military Training (Men).....	1½	Military Training (Men).....	1½

THE UNIVERSITY OF AKRON

THIRD YEAR, COLLEGE OF EDUCATION

Structural Art 21.....	2	Sight Singing 82.....	2
Principles of Geography 71.....	3	Art for the Grades 121.....	2
Sight Singing 81.....	2	Science, C & M, 133.....	2
Children's Literature 86.....	3	Reading, C & M, 135.....	3
Principles of Teaching 109.....	3	Fundamentals of Speech 76.....	3
Arithmetic, C & M, 136.....	2	Geography.....	3

FOURTH YEAR, COLLEGE OF EDUCATION

School Music 87.....	1	Educational Problems 201.....	3
Tests and Measurements 105.....	2	School Music 88.....	1
Child Psychology 105.....	2	School Management 115.....	2
Language 137 (or Social Science 138).....	2	Student Teaching 124.....	6

Persons completing this program will receive a certificate which permits them to teach in grades one to eight, but the program is designed primarily for students in the fourth, fifth, and sixth grades.

ART COURSE

The required courses in art are shown below. Electives may be chosen if desired.

GENERAL COLLEGE		UPPER COLLEGE	
	Cr. Hrs.		Cr. Hrs.
Structural Art 21.....	2	Art for the Grades 121.....	2
Design 22.....	2	Commercial Art 131-132.....	4
Appreciation of Art 29-30.....	4	Figure Drawing 175-176.....	4
Advanced Design 43.....	2	Illustration 179-180.....	4
Drawing and Rendering 45-46.....	4	Methods in Teaching Art 191.....	2
Still Life 47-48.....	4	History of Art 201, 202.....	6
Clay Modeling 39.....	2		
Modeling 60.....	2		

COMMERCIAL TEACHER TRAINING

The following suggestive curricula are offered for the guidance of those who are preparing to teach commercial subjects. For information concerning specific requirements, consult the adviser for Commercial Education.

Each of the two fields of specialization listed below carries the degree B. S. in Education and a state certificate for teaching commercial subjects.

Students enrolled in either of these curricula may, if they wish, secure a high school certificate instead of a certificate in commercial subjects by arranging their electives so as to include two minors, as indicated in the table of majors and minors, in addition to the required major of 40 hours.

GENERAL BUSINESS AND BOOKKEEPING CURRICULUM

FIRST YEAR, GENERAL COLLEGE

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
English 1.....	3	English 2.....	3
Hygiene, Physical and Mental 15.....	3	Hygiene, Physical and Mental 16.....	3
Introduction to Social Science 5.....	3	Introduction to Social Science 6.....	3
Accounting 21.....	3	Accounting 22.....	3
Military Training (Men).....	1½	Military Training (Men).....	1½
Typewriting 51.....	2	Typewriting 52.....	2

SECOND YEAR, GENERAL COLLEGE

Introduction to Humanities 7.....	3	Introduction to Humanities 8.....	3
Introduction to Natural Science 9.....	3	Introduction to Natural Science 10.....	3
Business Law 51.....	3	Business Administration 61.....	3
Economics 41.....	3	Economics 42.....	3
General Psychology 41.....	3	Introduction to Education 55.....	3
Military Training (Men).....	1½	Educational Psychology 52.....	3
		Military Training (Men).....	1½

THIRD YEAR, COLLEGE OF EDUCATION

Analytical Accounting 43.....	3	Intermediate Accounting 124.....	3
High School Methods 113.....	3	Methods in Bkpg. and Gen. Bus. 172.....	2
Literature.....	3	Fundamentals of Speech 76.....	3
		Literature.....	3

FOURTH YEAR, COLLEGE OF EDUCATION

Tests and Measurements 105.....	2	School Management 115.....	2
Educational Problems 201.....	3	Student Teaching 124.....	6

ELECTIVES

	Cr. Hrs.
Economic Geography.....	3
Business Correspondence.....	3
Business Law.....	3
Selling and Advertising.....	3
Business Mathematics.....	4

**COMMERCIAL TEACHER TRAINING
SECRETARIAL AND OFFICE PRACTICE CURRICULUM**

FIRST YEAR, GENERAL COLLEGE

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 1.....	3	English 2.....	3
Hygiene, Physical and Mental 15.....	3	Hygiene, Physical and Mental 16.....	3
Introduction to Social Science 5.....	3	Introduction to Social Science 6.....	3
Shorthand Theory 41.....	3	Shorthand Theory 42.....	3
Typewriting 51.....	2	Typewriting 52.....	2
Military Training (Men).....	1½	Military Training (Men).....	1½

SECOND YEAR, GENERAL COLLEGE

Introduction to Humanities 7.....	3	Introduction to Humanities 8.....	3
Introduction to Natural Science 9.....	3	Introduction to Natural Science 10.....	3
General Psychology 41.....	3	Introduction to Education 55.....	3
Adv. Shorthand and Transcription 63.....	4	Adv. Shorthand and Transcription 64.....	4
Literature.....	3	Educational Psychology 52.....	3
Military Training (Men).....	1½	Military Training (Men).....	1½

THIRD YEAR, COLLEGE OF EDUCATION

Secretarial Theory 21.....	3	Office Methods 26.....	3
Economics 41.....	3	Economics 42.....	3
Advanced Dictation 165.....	4	High School Methods 113.....	3
Literature.....	3	Advanced Dictation 166.....	4
Methods in Secretarial Subjects 151.....	3	Business Correspondence 133.....	3

FOURTH YEAR, COLLEGE OF EDUCATION

Tests and Measurements 105.....	2	School Management 115.....	2
Fundamentals of Speech 76.....	3	Student Teaching 124.....	6
Office Practice 193.....	3		
Educational Problems 201.....	3		

SALESMANSHIP-MERCHANDISING CURRICULUM

FIRST YEAR, GENERAL COLLEGE

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 1.....	3	English 2.....	3
Hygiene, Physical and Mental 15.....	3	Hygiene, Physical and Mental 16.....	3
Introduction to Social Science 5.....	3	Introduction to Social Science 6.....	3
Accounting 21.....	3	Accounting 22.....	3
Introduction to Humanities 7.....	3	Introduction to Humanities 8.....	3
Military Training (Men).....	1½	Military Training (Men).....	1½

SECOND YEAR, GENERAL COLLEGE

Introduction to Natural Science 9.....	3	Introduction to Natural Science 10.....	3
Economics 41.....	3	Consumer Economics 82.....	3
Selling and Advertising 81.....	3	Introduction to Education 55.....	3
Economic Geography 54.....	3	Business Administration 61.....	3
General Psychology 41.....	3	Educational Psychology 52.....	3
Military Training (Men).....	1½	Military Training (Men).....	1½

THIRD YEAR, COLLEGE OF EDUCATION

Analytical Accounting 43.....	3	Advertising 185.....	3
Business Law 51.....	3	Methods in Distribution.....	2
Marketing 183.....	3	Fundamentals of Speech 76.....	3
Literature.....	3	Literature.....	3
High School Methods 113.....	3	Economics 42.....	3

FOURTH YEAR, COLLEGE OF EDUCATION

Retailing.....	3	School Management 115.....	2
Educational Problems 201.....	3	Student Teaching 124.....	6
Tests and Measurements 105.....	2		

In addition to the three majors of 40 hours listed above, each of which carries a special certificate (or a high school certificate if one or more minors are added) students may qualify for a certificate in Business Education by completing a major of at least 45 hours including at least 18 hours in Shorthand, Typewriting, and Dictation; at least 9 hours in Accounting; methods courses in both fields; and both general and professional education requirements.

SCHOOL MUSIC COURSE

FIRST YEAR, GENERAL COLLEGE

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 1	3	English 2	3
Hygiene, Physical and Mental 15	3	Hygiene, Physical and Mental 16	3
Introduction to Social Science 5	3	Introduction to Social Science 6	3
Introduction to Humanities 7	3	Introduction to Humanities 8	3
General Theory 21	1	Appreciation of Music 22	2
Instruments or Voice	1	Instruments or Voice	1
Glee Club, Orchestra, or Band	1	Glee Club, Orchestra, or Band	1
R.O.T.C. (Men)	1½	R.O.T.C. (Men)	1½

SECOND YEAR, GENERAL COLLEGE

Introduction to Natural Science 9	3	Introduction to Natural Science 10	3
General Psychology 41	3	Educational Psychology 52	3
Elementary Harmony 43	2	Elementary Harmony 44	2
Second Year Sight Singing and Ear Training 83	2	Second year Sight Singing and Ear Training 84	2
Foreign Language	3 or 4	Foreign Language	3 or 4
Instruments or Voice	2	Instruments or Voice	2
Glee Club, Orchestra, or Band	1	Glee Club, Orchestra, or Band	1
R.O.T.C. (Men)	1½	R.O.T.C. (Men)	1½

THIRD YEAR, COLLEGE OF EDUCATION

Introduction to Education 55	3	Advanced Harmony 102	2
Advanced Harmony 101	2	History of Music 106	2
History of Music 105	2	Form and Analysis 108	3
Principles of Teaching 109	3	School Music Methods 122	2
School Music Methods 121	2	Music Appreciation Methods 124	1
Instruments or Voice	3	Instruments or Voice	3
Glee Club, Orchestra, or Band	1	Glee Club, Orchestra, or Band	1

FOURTH YEAR, COLLEGE OF EDUCATION

Keyboard Harmony 109	2	Orchestration 114	3
Composition 111	2	School Management 115	2
Conducting 113	1	Student Teaching 124	6
Wind Instruments Class 115	1	Literature	3
Organization in School Music 125	2	Instruments or Voice	2
Educational Problems 201	3		
Literature	3		
Instruments or Voice	2		

The work in applied music must include at least 4 credits in piano and 4 credits in voice.

HEALTH AND PHYSICAL EDUCATION

FIRST YEAR, GENERAL COLLEGE

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 1	3	English 2	3
Hygiene, Physical and Mental 15	3	Hygiene, Physical and Mental 16	3
Introduction to Social Science, 5	3	Introduction to Social Science 6	3
Introduction to Humanities 7	3	Introduction to Humanities 8	3
Foreign Language or Mathematics	3 or 4	Foreign Language or Mathematics	3 or 4
Military Training (Men)	1½	Military Training (Men)	1½

SECOND YEAR, GENERAL COLLEGE

Introduction to Natural Science 9	3	Introduction to Natural Science 10	3
General Psychology 41	3	Educational Psychology 52	3
Physical Education 45	3	Physical Education 46	3
Introduction to Education 55	3	Fundamentals of Speech 76	3
Literature	3	Literature	3
Military Training (Men)	1½	Military Training (Men)	1½

THIRD YEAR, COLLEGE OF EDUCATION

Theory and Practice 103	2	Theory and Practice 104	2
Theory and Practice 105	2	Theory and Practice 106	2
Principles of Teaching 109	3	Physical Education 114	2
Normal Diagnosis and Corrective Exercise 115	2	First Aid and Massage 126	2
Anatomy 127	3	Physiology 128	3
		Methods of Physical Education 125	2

FOURTH YEAR, COLLEGE OF EDUCATION

Tests and Measurements 105	2	School Management 115	2
School Health 117	2	School Health 118	2
Organization & Admin. of Physical Ed. 121	2	Organization & Admin. of Physical Ed. 122	2
History of Physical Education 123	2	Practice Teaching 124	6
Kinesiology 124	2		

HOME ECONOMICS COURSE

Requirements for degree: 128 credits, including the items under Basic Requirements for all Degrees, Home Economics Education (3 credits), and 37 credits in Home Economics selected with the approval of the department adviser.

VOCATIONAL EDUCATION COURSES

These courses lead to the B. S. in Ed. degree and a Smith-Hughes Certificate.

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

STUDENT ADVISERS

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

(This does not mean that students are not free to consult the Dean of the College regarding any of their problems.)

Art	MRS. BARNHARDT
Commercial Subjects	MR. DOUTT
Four-Year Elementary	MR. DISTAD
High School	MR. KUHNES
Home Economics	MISS SWIFT
Kindergarten-Primary	MISS KEMLER
Music	{ MR. ENDE MISS RIDER
Physical Education	MR. SEFTON
Primary-Elementary	MISS KEMLER

THE QUALIFYING EXAMINATION

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

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

TEACHING CERTIFICATE

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

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 2.5 in his major field and at least a quality point ratio of 2 in all subjects taken.

GRADUATE STUDY

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

SUBJECTS OF INSTRUCTION

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

ART

ASSOCIATE PROFESSOR BARNHARDT, ASSISTANT PROFESSOR CABLE,
MR. FRENCH, MR. YOUNG, AND MRS. YOUNG

113. ADVANCED COMPOSITION. Second semester. 2 credits.
121. ART FOR THE GRADES. First semester. 2 credits.
Prerequisite, 21.
191. METHODS IN TEACHING ART. Either semester. 2 credits.
Prerequisite, completion of the required course for Art teachers.

For other courses in Art see Liberal Arts section.

COMMERCIAL EDUCATION

PROFESSOR DOUTT, ASSISTANT PROFESSOR FLINT

151. METHODS IN SECRETARIAL SUBJECTS. First semester. 3 credits.
Prerequisite, permission of instructor.
172. METHODS IN BOOKKEEPING AND GENERAL BUSINESS. Second semester.
2 credits. Prerequisite, permission of instructor.

For other courses in Secretarial Science see Liberal Arts section.

EDUCATION

DEAN EVANS, PROFESSOR KUHNES,
ASSOCIATE PROFESSORS DISTAD AND KEMLER, MR. SNYDER, MR. HINTON

GENERAL COLLEGE

- *65. EDUCATIONAL SOCIOLOGY. Either semester. 3 credits.
 *55. INTRODUCTION TO EDUCATION. Either semester. 3 credits.
 *83. STORY TELLING. First semester. 3 credits. MISS KEMLER
 *84. STORY TELLING. Second semester. 3 credits. MISS KEMLER
 86. CHILDREN'S LITERATURE. Second semester. 3 credits. MISS KEMLER

UPPER COLLEGE

- *105. EDUCATIONAL TESTS AND MEASUREMENTS. First semester. 2 credits.
 Prerequisite, Education 109 or 113. Fee \$2.00. MR. DISTAD
 *109. PRINCIPLES OF TEACHING. Either semester. 3 credits. Prerequisite,
 Educational Psychology 52.
 Not open to students below junior rank. MR. DISTAD
 113. HIGH SCHOOL METHODS. Either semester. 3 credits.
 Prerequisite, Educational Psychology 52. MR. KUHNES
 115. SCHOOL MANAGEMENT AND ADMINISTRATION. Either semester.
 2 credits. Accompanies Student Teaching. MR. DISTAD
 120. TECHNIQUE OF CURRICULUM CONSTRUCTION. Second semester.
 2 credits. Prerequisite, 65 or 109.
 124. STUDENT TEACHING. Either semester. 6 credits. Seniors only.
 Prerequisite, Education 113 or equivalent.
 MR. KUHNES, MISS KEMLER, MR. DISTAD
 131. PRIMARY METHODS. First semester. 3 credits.
 Not open to students below junior rank. Prerequisite, Education 109.
 MISS KEMLER
 132. PRIMARY METHODS. Second semester. 3 credits.
 Not open to students below junior rank. Prerequisite, Education 131.
 MISS KEMLER
 133. SCIENCE: CONTENT AND METHOD. First semester. 2 credits.
 Prerequisite, Education 109.
 135. READING: CONTENT AND METHOD. First semester. 3 credits.
 Prerequisite, Education 109. MISS KEMLER
 136. ARITHMETIC: CONTENT AND METHOD. Second semester. 2 credits.
 Prerequisite, Education 109. MR. DISTAD
 137. LANGUAGE: CONTENT AND METHOD. First semester. 2 credits.
 Prerequisite, Education 109. MISS KEMLER

138. SOCIAL SCIENCE: CONTENT AND METHOD. Second semester. 2 credits.
Prerequisite, Education 109. MR. SNYDER

151. TEACHING OF SPEECH AND ENGLISH. 3 credits. Prerequisite 51, and
Junior or Senior rank. MR. HAMILTON AND MRS. RABE

*201. EDUCATIONAL PROBLEMS. Either semester. 3 credits.
Prerequisite, Education 113 or equivalent. MR. KUHNES

GRADUATE COURSES IN EDUCATION

DEAN EVANS, PROFESSOR KUHNES, ASSOCIATE PROFESSOR DISTAD

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

*311. EDUCATIONAL STATISTICS. First semester. 2 credits.
MR. EVANS

312. EDUCATIONAL TESTS AND MEASUREMENTS FOR SECONDARY SCHOOLS.
Second semester. 2 credits.
Fee, \$2.00. 1937-38 and alternate years. Prerequisite, Education 311, 105,
or Psychology 315. MR. EVANS

313. EDUCATIONAL DIAGNOSIS. 2 credits. MR. DISTAD

320. SECONDARY SCHOOL ADMINISTRATION. Second semester. 2 credits.
MR. EVANS

321. PUBLIC SCHOOL ADMINISTRATION. First semester. 2 credits.
MR. EVANS

322. SUPERVISION OF INSTRUCTION. Second semester. 2 credits.
MR. DISTAD

323-324. EDUCATIONAL PHILOSOPHY. 2 credits. MR. KUHNES

401. GREAT TEACHERS. First semester. 2 credits. MR. KUHNES

423. CONCEPT OF MIND IN EDUCATIONAL THEORY. 2 credits. MR. KUHNES

425. PRINCIPLES AND TECHNIQUE OF RESEARCH AND INVESTIGATION. First
semester. 2 credits. MR. DISTAD

427. SEMINAR IN CURRICULUM. Second semester. 2 credits. MR. EVANS

431. MODERN TENDENCIES IN EDUCATION. First semester. 2 credits.
MR. KUHNES

433-434. COMPARATIVE EDUCATION. 2 credits each semester. MR. KUHNES

GEOGRAPHY

GENERAL COLLEGE

71. PRINCIPLES OF GEOGRAPHY. First semester. 3 credits.

72. GEOGRAPHY OF NORTH AMERICA. First semester. 3 credits.

73. GEOGRAPHY OF SOUTH AMERICA. Second semester. 2 credits.

74. GEOGRAPHY OF EUROPE. Second semester. 3 credits.

HOME ECONOMICS

See under Home Economics in the College of Liberal Arts.

KINDERGARTEN-PRIMARY EDUCATION

ASSOCIATE PROFESSOR KEMLER

UPPER COLLEGE

126. PLAY MATERIALS. First semester. 2 credits.
Fee, \$1.00.

MISS KEMLER

127-128. KINDERGARTEN-PRIMARY METHODS. 3 credits each semester.

MISS KEMLER

MUSIC

ASSISTANT PROFESSORS ENDE AND RIDER, MR. GARLINGHOUSE,
MR. LEBO, MR. CAMPBELL, MR. STEIN, MISS WILLS

The work in music is open to election by all students of the University who are properly qualified to take the courses offered, and may be included in certain fields of concentration in the Humanities Division of the Liberal Arts College and in the College of Education.

For description of other courses in Music see the Liberal Arts College section.

THE SCHOOL MUSIC COURSE

MISS RIDER

The special music course leading to the degree B. S. in Education is designed to meet state requirements and to prepare students for music education in the public schools. To enter, students must pass two entrance examinations: one in instrumental music, and one in sight singing. In order to qualify for graduation students are required to take a general final examination.

GENERAL COLLEGE

- 81-82. SIGHT SINGING AND EAR TRAINING. 2 credits each semester.
Taken for credit by students in elementary education and in the voice class. Others who need to take this course must do so without credit.
- 83-84. SECOND YEAR SIGHT SINGING AND EAR TRAINING. 2 credits each semester. Prerequisite, 82.
- 85-86. KINDERGARTEN-PRIMARY MUSIC. 2 credits each semester. Prerequisite, 81.
- 87-88. SCHOOL MUSIC. 1 credit each semester.
Prerequisite, 82. For students in elementary education.

UPPER COLLEGE

- 121-122. SCHOOL MUSIC METHODS. 2 credits each semester.
Prerequisite, 84. For students in the school music course.
124. MUSIC APPRECIATION METHODS. Second semester. 1 credit.
For students in elementary education and in the school music course.
125. ORGANIZATION IN SCHOOL MUSIC. First semester. 2 credits.
Prerequisite, 88.

PHYSICAL EDUCATION

PROFESSOR SEFTON, ASSISTANT PROFESSORS DREISBACH AND SMITH,
MISS LOCKE

GENERAL COLLEGE

- *21. FIRST AID AND SAFETY. First semester. 1 credit. MRS. DREISBACH
*23-24. HEALTH IN THE HOME. 1 credit each semester. MRS. DREISBACH
45-46. BASIC COURSE IN PHYSICAL EDUCATION PRACTICE. 3 credits each
semester.

Course includes the following sections: For men—sections I to VII
inclusive and X. For women—sections I to VII inclusive and X. This
course is prerequisite to all upper college courses in the department.

*15-16. HYGIENE, PHYSICAL AND MENTAL.

Students are required to enrol in one of the following laboratory sections
each semester in connection with the required freshman course in Hygiene.
Students majoring in physical education must take all sections.

MEN

- I Calisthenics (each semester) 1 credit.
- II Tumbling, Stunts, and Apparatus (each semester) 1 credit.
- III Swimming (each semester) 1 credit.
- IV Minor Sports—Speedball, Soccer, Volley Ball, Horseshoes, Tennis, etc. (each semester) 1 credit.
- V Remedial Gymnastics (each semester) 1 credit.
- VI Athletics—Football, Basketball, Track (each semester) 1 credit.
- VII Wrestling.
- X Games of Low Organization—(second semester) 1 credit. (For majors only—men and women.)

WOMEN

- I Folk and National Dancing (first semester) 1 credit.
- II Clog and Tap Dancing (second semester) 1 credit.
- III Danish Gymnastics (first semester) 1 credit.
- IV Tumbling, Stunts, Apparatus (second semester) 1 credit.
- V Team Sports—Soccer or Hockey, Volley Ball, Basketball, Baseball (each semester) 1 credit.
- VI Beginning Swimming (first semester) 1 credit. (For those who cannot swim or those who wish to develop form in their strokes.)
- VII Advanced Swimming and Life Saving (second semester) 1 credit. (Permission of instructor.)
- VIII Individual and Leisure Time Sports—Archery, Badminton, Ping Pong, Paddle Tennis, Deck Tennis, Horseshoes, Tennis, etc. (each semester) 1 credit.
- IX Remedial Gymnastics (first semester) 1 credit. (For those who show marked postural defects at the time of the physical examination.)
- X Games of Low Organization (second semester) 1 credit. (For majors only—men and women.)

- 103-104. THEORY AND PRACTICE OF PHYSICAL EDUCATION. 2 credits each
semester. MR. SEFTON, MR. SMITH AND MISS LOCKE
- 105-106. THEORY AND PRACTICE OF ATHLETICS. 2 credits each semester.
For men. MR. SEFTON, MR. AIKEN, MR. BIXLER, AND MR. SMITH
107. THEORY AND PRACTICE OF FOLK AND TAP DANCING. First semester.
2 credits.
One hour lecture, two hours laboratory. MISS LOCKE
114. THEORY AND PRACTICE OF SWIMMING. Second semester. 2 credits.
Prerequisite, Physical Education 40. MISS LOCKE AND MR. SMITH
115. NORMAL DIAGNOSIS AND INDIVIDUAL CORRECTIVE GYMNASTICS AND
CORRECTIVE EXERCISE. 2 credits. MR. SEFTON

- 117-118. SCHOOL HEALTH AND HEALTH PROBLEMS. 2 credits each semester.
MR. SMITH
- 121-122. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION.
2 credits each semester. MR. SEFTON
123. HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION. 2 credits.
MRS. DREIBACH
124. KINESIOLOGY. 2 credits. MR. SMITH
125. METHODS IN PHYSICAL EDUCATION. 2 credits. MRS. DREIBACH
126. FIRST AID AND MASSAGE. 2 credits. MR. SMITH
127. ANATOMY. 3 credits. MR. SMITH
128. PHYSIOLOGY. 3 credits. MR. SMITH

PSYCHOLOGY

PROFESSORS HAYES AND WOOD, ASSISTANT PROFESSOR STAGNER
MR. WOOLCOCK

GENERAL COLLEGE

- *41. GENERAL PSYCHOLOGY. Either semester. 3 credits.
- *42. APPLIED PSYCHOLOGY. Second semester. 3 credits. Prerequisite, 41.
- *52. EDUCATIONAL PSYCHOLOGY. Either semester. 3 credits. Prerequisite,
41.
62. BUSINESS PSYCHOLOGY. Second semester. 3 credits. Prerequisite, 41.

UPPER COLLEGE

- *105. CHILD PSYCHOLOGY. First semester. 3 credits.
Prerequisite, 52. MR. HAYES
- *106. PSYCHOLOGY OF ADOLESCENCE. Second semester. 2 credits.
Prerequisite, 9 hours of Psychology. MR. HAYES
111. EXPERIMENTAL PSYCHOLOGY. First semester. 1 credit.
Prerequisite, 3. MR. HAYES
112. EXPERIMENTAL PSYCHOLOGY. Second semester. 1 credit.
Prerequisite, 3. MR. HAYES
- *207. MENTAL HYGIENE. First semester. 3 credits. MR. HAYES
208. ABNORMAL PSYCHOLOGY. First semester. 2 credits.
Prerequisite, 12 hours of Psychology. MR. HAYES
- *209. SOCIAL PSYCHOLOGY. Second semester. 3 credits. MR. STAGNER
- *210. GENETIC PSYCHOLOGY. First semester. 3 credits. MR. STAGNER

GRADUATE COURSES IN PSYCHOLOGY

302. ADVANCED SOCIAL PSYCHOLOGY. Second semester. 3 credits.
MR. HAYES
303. ADVANCED EDUCATIONAL PSYCHOLOGY. First semester. 2 credits.
Prerequisite, 12 hours of Psychology. MR. WOOD
315. MENTAL TESTING. 2 credits. Fee, \$1.00. MR. HAYES

316. HISTORY OF PSYCHOLOGICAL THOUGHT. First semester. 2 credits.
Prerequisite, 12 hours of Psychology. MR. HAYES AND MR. STAGNER
- 317-318. PSYCHOLOGICAL SYSTEMS. 2 credits each semester.
MR. HAYES AND MR. STAGNER
- 425-426. CLINICAL PSYCHOLOGY. 2 credits each semester. Laboratory
fee, \$2.00 a semester. MR. HAYES AND MR. STAGNER

RESEARCH

436. RESEARCH PROBLEM. Credit by arrangement. This course is open
to graduate students and is in addition to the thesis. Only those who have
received permission from their major professor and the Dean, and whose
problem is approved, may receive credit. Fee, \$5.00 per credit hour.

VOCATIONAL EDUCATION

ASSISTANT PROFESSORS DOWNING, SCHAEFFER, AND STROBEL

102. OCCUPATIONAL ANALYSIS. Second semester. 2 credits.
104. EDUCATIONAL AND VOCATIONAL GUIDANCE. Second semester.
2 credits.
115. SHOP MANAGEMENT. First semester. 2 credits.
125. ORGANIZATION OF INSTRUCTION MATERIAL. First semester. 2 credits.
127. HISTORY AND PHILOSOPHY OF VOCATIONAL EDUCATION. First
semester. 2 credits.
129. METHODS OF TEACHING OCCUPATIONAL SUBJECTS. First semester.
2 credits.
132. INDUSTRIAL AND EDUCATIONAL CO-ORDINATION. Second semester.
2 credits.

GRADUATE STUDY

CHARLES BULGER, PH.D., *Dean*

In certain colleges and departments—especially in the College of Education—opportunity is offered properly qualified persons to study for the Master's degree. In some of the departments graduate courses given in connection with the work in Adult Education have been arranged on a rotating plan to enable candidates to meet the requirements for a major or a minor.

For details as to the colleges and departments which offer courses of graduate rank refer to the various colleges and departments.

Graduate work is characterized by quality as well as quantity. The degree is granted on the basis of a high level of attainment in a certain field rather than for the collection of a specified number of credit hours.

Attainment is to be judged by (1) the thoroughness of the candidate's acquaintance with his field, (2) his knowledge of the methodology of his field, and (3) his initiative and independence.

The applicant for admission to graduate study must satisfy the Admissions Committee that all required secondary school and college credits have been secured and that the candidate has received a Bachelor's degree from a college of recognized standing. A transcript must be sent to the Registrar by the institution from which the applicant obtained his bachelor's degree. The Committee on Graduate Study reserves the right to require any applicant for graduate work to prove that he has a satisfactory background for such work by taking and passing such examination or examinations as the Committee may prescribe.

Total credit of 26 to 30 semester hours, including a thesis, is required of all candidates; 20 to 24 semester hours of this work must be done at the University of Akron. If both major and minor are laboratory sciences, the total credit required is 26 hours; if either major or minor is a laboratory science, the total credit required is 28; if neither major nor minor is a laboratory science, the requirement is 30 hours. The writing of a thesis is a requirement for the degree. Four hours of credit are granted for it. No work done more than five years previous to the date of granting the degree will be accepted in fulfilling the semester hour requirement. Six hours of graduate work may be done at another college subsequent to matriculation at the University of Akron. Graduate work done elsewhere previous to matriculation at the University of Akron will not be accepted.

No graduate credit will be granted for courses numbered under 200. Courses numbered 200-299 are primarily of senior (undergraduate) rank, and graduate credit may be established for these courses only when a greater amount and a higher quality (at least B) of work is done than is required of the undergraduate students. Courses numbered 300-399 are primarily graduate courses to which a very few undergraduates who have shown unusual ability may be admitted. Courses numbered 400-499 are graduate courses for which the prerequisite is a bachelor's degree.

For courses in the 300 and 400 series no credit toward the Master's degree will be allowed for work which receives the grade of D and not more than six hours of credit for work which receives a grade of C.

Choice of the major and the minor must have the approval of the Committee on Graduate Study. The minor may be elected in a college or division or department other than that in which the major is taken.

The thesis must have the approval of each member of the Thesis Committee before being accepted. The thesis topic must be selected by November 1 of the academic year in which the student expects to graduate. Two copies of the thesis must be presented to the Dean of Graduate Study two weeks before the Commencement at which the candidate receives his degree; one of these shall be placed in the library, the other given to the head of the department in which the thesis is written.

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

Each candidate must pass a final written examination covering the major and minor fields.

A graduation fee of \$10.00 must be paid by the candidate when he applies for the degree.

A thesis fee of \$10.00 must also be paid before the degree is conferred.

THE DIVISION OF ADULT EDUCATION

LESLIE P. HARDY, M. S. ED., *Director*

THE EVENING SESSION

ADMISSION REQUIREMENTS AND REGISTRATION

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

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

SPECIAL STUDENTS

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

Students from other colleges should present a statement of good standing from the registrar of the institution last attended. If transfer students are expecting to continue in attendance at the University of Akron, it is necessary that a transcript and honorable dismissal be sent from the college last attended direct to the Registrar of the University of Akron.

Registration dates for 1938-39 are: First Semester—Friday and Saturday, September 16 and 17, 1938; Second Semester—Friday and Saturday, February 3 and 4, 1939. 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. Designation as an auditor must be made at the time of registration.

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.

For graduation from the University, the student must present 128 semester hours with a quality point ratio of 2 for all work carried. 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. Students taking the co-operative course in Engineering are required to present 142 semester hours. Candidates for a degree are required to file an application with the Registrar by February 15 of the year in which they expect to graduate.

CONSULTATION

The Director of Adult Education maintains office hours to consult with students concerning the selection of courses, and other academic problems. Programs of study leading to degrees should be carefully planned with the aid of the chairman of the division in which the major subject is taken. It is wise 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 credit hours of work in any semester are regarded as the maximum load that should be attempted. Special permission from the Director is required for a schedule in excess of 6 credit hours.

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. Copies of the rules are printed on the reverse side of the student identification card given when fees are paid. Application blanks for adjustment of fees may be obtained at the Director's office.

The University reserves the right to cancel courses in which 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.

GRADING SYSTEM

Information concerning the grading system will be found in the General Regulations section of the catalog.

THE COLLEGE OF EDUCATION

Those who are working toward graduation in the College of Education should consult with the following advisers concerning the curriculum requirements for the degree or diploma toward which they are working.

Kindergarten and Primary Elementary.....	MISS CLARA KEMLER
Elementary.....	MR. H. W. DISTAD
High School.....	MR. E. L. KUHNES
Art.....	MRS. JANE S. BARNHARDT
Commercial Subjects.....	MR. H. M. DOUTT
Music.....	MR. ELMER ENDE AND MISS GENEVIEVE RIDER
Vocational Education.....	MR. J. R. STROBEL
Physical Education.....	MR. F. S. SEFTON

New students in the College of Education should confer with the proper advisers before they have registered, in order that they may avoid duplication of courses, especially if they have attended another college. In this case a transcript from the last institution attended should be sent directly from the college to the University Registrar, who will evaluate such work toward the degree sought. Certain courses in the College of Education are counted toward other degrees. Those desiring to count subjects in the College of Education toward other degrees should consult with the Dean of the college concerned or the Registrar.

STATE CERTIFICATE

All who are attempting to meet the requirements for a state certificate for teaching in the elementary grades may obtain at the office a list of the state requirements together with a statement of the courses which are being offered this year at the University and which will be acceptable in meeting these requirements.

STUDENT ACTIVITIES

The Evening Session Student Council is organized through the election of class representatives who, in turn, select the Student Senate, composed of eight members.

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 A E Honorary Fraternity 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

Each course scheduled is followed by a number which is used to identify it. For example, Accounting 43 is offered the first semester; therefore 22 is written under the prerequisite column, and should be completed before enrolling in the course numbered 43.

Under the column headed "credit hours" is the number of credits 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.

1937-38 SCHEDULE OF EVENING CLASSES

Semester	Subject	Prereq- uisite	Cr. Hrs.	Days	Time	Instructor
ART						
1	Structural Art, 21		2	T.	6:30-9:15	Cable
2	Crafts, 102	21	2	T.	6:30-9:15	Cable
1,2	Art for the Grades, 121		2	M.	6:30-9:15	Riblet
1-2	Commercial Art, 131-132		2	T.	6:30-9:15	French
1-2	Adv. Com. Art (Lettering), 133, 134		2	W.	6:30-9:15	Young
1-2	Figure Drawing, 175-176		2	W.	6:30-9:15	Young
1-2	History of Art, 201-202		2	M.	6:00-7:50	Barnhardt
BIOLOGY						
1-2	General Botany, 51-52		4	M.W.	6:00-9:50	Acquarone
1-2	General Zoology, 62, 1-2	61	2	Th.	6:00-9:50	Jones
1-2	Sanitation, 71-72		3	M.W.	6:25-7:50	Fox
CHEMISTRY						
1	General Chemistry, 22	21	4	M.W.	6:00-9:50	Cool
2	General Chemistry, 21		4	M.W.	6:00-9:50	Haas
1-2	Metallurgy, 133-134		2	M.	6:00-7:50	Grove
2	Chemistry of Latex Technology 326		2	T.	6:30-8:20	Cramer
1-2	Metallurgy, 133-134 (Salem, O.)		2	W.	6:30-7:50	
COMMERCE						
1-2	Accounting, 21-22a		3	M.W.	6:00-7:50	Hersh
1-2	Accounting, 21-22b		3	M.W.	8:00-9:50	Hersh
1-2	Accounting, 21-22c		3	T.Th.	6:00-7:50	Hilliard
1-2	Accounting, 43-44	22	3	T.Th.	8:00-9:50	Hilliard
2	Accounting 21		3	T.Th.	8:00-9:50	Davis
1	Accounting Systems, 132		3	M.W.	6:25-7:50	McKee
1	Advertising, 185		3	M.W.	8:00-9:25	Busbey
2	Adv. Advertising, 186		3	M.W.	8:00-9:25	Busbey
1,2	Bus. Administration, 61		3	T.Th.	8:00-9:25	Davis
2	Bus. Management, 162	61	3	T.Th.	8:00-9:25	Tousley
1	Selling & Advertising, 81		3	T.Th.	6:25-7:50	Leigh
1	Sales Administration, 190	183	3	T.Th.	8:00-9:25	Leigh
1	Statistics, 147	Eco. 42	3	T.Th.	6:00-7:50	Hampel
1	Credits and Collections		(2)	T.	8:00-9:50	Wells
2	Marketing, 183	Eco. 41	3	T.Th.	6:25-7:50	Leigh
2	Traffic Management		(2)	M.	7:00-8:50	Meeks
2	Selling & Advertising, 81		3	T.Th.	6:25-7:50	Tousley
1-2	Business Law, 141-142		3	M.W.	8:00-9:25	Powers
ECONOMICS						
1	Production Prices & Income, 41		3	T.Th.	8:00-9:25	O'Hara
2	Current Economic Problems, 42	41	3	T.Th.	8:00-9:25	Ford
1	Dev. of Eco. Thought, 293	41	3	T.Th.	6:25-7:50	Ford
2	Labor Problems, 106	42	3	T.Th.	6:25-7:50	O'Hara
EDUCATION						
1	Intro. to Educa., 55		3	M.W.	8:00-9:25	Hinton
2	Intro. to Educa., 55		3	M.W.	8:00-9:25	Snyder
1	Educa. Sociology, 65		3	M.W.	6:25-7:50	Snyder
2	Geography of Europe, 74		3	M.	6:00-7:50	Snyder
1	Play Materials		2	Th.	6:00-7:50	Kemler
2	Story Telling, 111		3	T.Th.	6:25-7:50	Kemler
2	Language, Cont. & Meth., 137	109	2	T.	8:00-9:50	Kemler
1	Arith. Cont. & Meth., 136		2	W.	6:00-7:50	Distad
2	Prin. of Teaching, 109	51-55	3	M.W.	8:00-9:25	Hinton
1	Tests & Meas., 105		2	Sat.	10:00-11:50	Stagner
1,2	Sch. Management, 115		2	Sat.	8:00-9:50	Distad
EDUCATION—GRADUATE						
1	Educa. Statistics, 311		2	M.	6:00-7:50	Evans
2	Pub. Sch. Adm., 321		2	W.	6:00-7:50	Evans
1	Tech. of Research, 425		2	W.	8:00-9:50	Distad
2	Supv. of Inst., 322		2	W.	8:00-9:50	Distad
1	Modern Tendencies, 431		2	Th.	6:00-7:50	Kuhnes
2	Great Teachers, 401		2	Th.	6:00-7:50	Kuhnes
ENGINEERING						
1-2	Eng. Drawing, 21-22a		2	M.W.	6:25-9:15	Maclachlan
1-2	Eng. Drawing, 21-22b		2	T.Th.	6:25-9:15	Stotler
2	Engineering Drawing, 21		2	M.W.	6:25-9:15	Wilson
1	Machine Drawing, 176	22	2	M.W.	6:25-9:15	Wilson
1-2	Mech. Dwg. & Blue Print Rdg. (Firestone App. only)		(2)	T.	6:00-7:50	Griffin
1	Refrigeration		(2)	W.	8:00-9:50	Upp
2	Air Conditioning		(2)	W.	8:00-9:50	Curl
1-2	Ind. Electricity, 21-22		4	T.Th.	6:25-9:25	Smith
2	Shop Mathematics (Goodrich App. only)		(2)	T.	6:00-7:50	Upp
2	Shop Methods (Goodrich App. only)		(2)	M.	6:00-7:50	Gilmour

Semester	Subject	Prereq- uisite	Cr. Hrs.	Days	Time	Instructor
ENGINEERING (Continued)						
1-2	Advanced Ind. Elec., 43-44	32	4	M.W.	6:25-9:25	Walther
1-2	Strength of Materials		2	T.	6:00-7:50	Bulger
1-2	Surveying, 21-22		2	M.	8:00-9:50	Durst
1	Eng. Geology, 110		2	M.	6:00-7:50	Durst
2	Hydraulics, 184		3	M.W.	8:00-9:25	Stafford
2	Time and Motion Study, 157		1	M.	8:00-8:50	Adendorff
1-2	Mech. Dwg. & Blue Print Rdg. (Goodrich App. only)		(2)	Th.	6:00-7:50	Griffin
ENGLISH						
1-2	English, 1-2a1		3	M.W.	8:00-9:25	Hamilton
1	English, 1a-2		3	M.W.	8:00-9:25	Whitney
1	English, 1b-1		3	T.Th.	6:25-7:50	Wishart
1	English, 1b-2		3	T.Th.	6:25-7:50	Keister
2	English, 2b		3	T.Th.	6:25-7:50	Whitney
1	English, 1c		3	T.Th.	8:00-9:25	Stickney
1	English, 1d		3	M.W.	6:25-7:50	Whitney
2	English, 2d		3	M.W.	6:25-7:50	Roberts
1	English, 2		3	T.Th.	6:25-7:50	Roberts
2	English, 1b		3	M.W.	8:00-9:25	Campbell
2	English, 1c		3	T.Th.	8:00-9:25	Whitney
1-2	American Literature, 47-48	2	3	M.W.	6:25-7:50	Raw
1	Contemporary Fiction, 49	2	3	T.Th.	8:00-9:25	Wishart
2	Contemporary Drama, 50	2	3	T.Th.	8:00-9:25	Putman
1-2	Anglo-Saxon, 205-206	Grade. Srs.	3	T.Th.	6:25-7:50	Pease
HISTORY						
1-2	Modern Europe, 45-46		3	T.Th.	6:25-7:50	Grimes
1	Early Med. Civilization, 217		3	T.Th.	4:30-6:00	Grimes
1	Later Med. Civilization, 218		3	T.Th.	4:30-6:00	Grimes
1	U. S. History in 19th Century, 223		3	M.W.	6:25-7:50	Moore
2	Recent U. S. History, 224		3	M.W.	6:25-7:50	Moore
HOME ECONOMICS						
1-2	Nutrition, 119-120		3	M.W.	6:25-7:50	Ridler
1-2	General Foods		3	M.Th.	4:00-6:00	
				W.	4:30-6:20	Ridler
1	Clothing, 22		3	M.W.	6:00-7:50	Lathrop
2	House Furnishing, 113		3	M.W.	8:00-9:25	Lathrop
INDUSTRIAL ARTS						
1-2	Handcrafts in the El. School		2	W.	6:00-7:50	Hamburger
INTRODUCTORY COURSES						
1-2	Intro. to Natural Sciences, 9-10		3	T.Th.	6:25-7:50	Gray
1-2	Intro. to Social Sciences, 5-6		3	T.Th.	8:00-9:25	Sherman
2	Intro. to Humanities, 7		3	M.W.	8:00-9:25	Keister
1	Intro. to Hygiene, 4	3	2	M.W.	6:25-7:50	Stagner
1	Men's Laboratory		1	M.	4:00-4:50	Sefton
2	Intro. to Hygiene, 3		2	M.W.	6:25-7:50	Dreisbach
JOURNALISM						
1	News Writing and Editing, 55		2	T.	6:00-7:50	Vance
2	Feature Writing, 166		2	T.	6:00-7:50	Vance
MATHEMATICS						
1.2.	Algebra, 21		4	M.W.	6:00-7:50	Tabler
1.2.	Algebra, 21		4	T.Th.	6:00-7:50	Bender-Tabler
1.2.	Trigonometry, 22		3	T.Th.	6:25-7:50	Selby
2	Trigonometry		3	T.Th.	6:25-7:50	Bender
1-2	Calculus, 45-46	22	3	M.W.	6:25-7:50	Lipscombe
1-2	Dif. Equations, 203-204	46	2	W.	8:00-9:50	Jones
2	Practical Math., 114		3	M.W.	4:30-6:00	Bender
MODERN LANGUAGES						
1-2	German (Second Year), 43, 44	22	3	T.Th.	6:25-7:50	Albrecht
1-2	French (First Year), 21, 22		4	T.Th.	6:00-7:50	Glennen
MUSIC						
1	Music Appreciation, 22		2	W.	6:00-7:50	Ende
2	General Theory, 21		1	M.	8:00-8:50	Ende
1-2	Elementary Harmony, 43-44		2	M.	6:00-7:50	Rider
1.2.	Voice Class, 45		1	T.	6:00-6:50	Stein
1.2.	Adv. Voice Class, 46	45	1	T.	7:00-7:50	Stein
1-2	School Music, 87-88		1	W.	4:30-6:20	Rider
2	Sight Singing, 81		2	M.	8:00-9:50	Rider

Semester	Subject	Prereq-uisite	Cr. Hrs.	Days	Time	Instructor
PHYSICAL EDUCATION						
1-2	School Health, 117-118		2	M.	8:00-9:50	Smith
1-2	Org. & Adm. of Muni. Recreation		2	W.	6:00-7:50	Edmund
PHYSICS						
1-2	Freshman Mechanics, 21-22		4	M.W.	6:00-9:50	Householder
POLITICAL SCIENCE						
1	Comparative Government, 43		3	T.Th.	8:00-9:25	King
1	Govt. and Soc. Welfare, 109		3	T.Th.	6:25-7:50	Crecraft
2	American Nat'l Govt., 42		3	T.Th.	8:00-9:25	King
2	Public (Personnel) Admn., 213		3	T.Th.	6:25-7:50	Crecraft
PSYCHOLOGY						
1	General Psychology, 41a		3	T.Th.	8:00-9:25	Hayes
1	General Psychology, 41b		3	T.Th.	8:00-9:25	Woolcock
2	General Psychology, 41		3	M.W.	6:25-7:50	Woolcock
2	Business Psychology, 62	41	3	T.Th.	8:00-9:25	Hayes
2	Educa. Psy., 52	41	3	T.Th.	8:00-9:25	Diastad
1	Mental Hygiene, 207	9 hrs.	3	T.Th.	6:25-7:50	Hayes
PSYCHOLOGY—GRADUATE						
1-2	Psychological Systems, 307-308		2	Sat.	10:00-11:50	Hayes
1-2	Clinical Psychology, 425-426		2	M.	8:00-9:50	Stagner
2	His. of Psy. Thought, 316	12 hrs.	2	M.	6:00-7:50	Hayes
SECRETARIAL SCIENCE						
1	Secretarial Theory, 23		2	Th.	6:00-7:50	Summersgill
2	Office Methods, 26		3	T.Th.	6:00-7:50	Summersgill
1	Business English, 35		2	T.	6:00-7:50	Cohen
2	Business English, 35		2	T.	8:00-9:50	Cohen
1	Business Letters, 93		2	T.	8:00-9:50	Doutt
2	Business Letters, 93		2	T.	6:00-7:50	Doutt
1-2	Shorthand Theory, 41-42a (Beg.)		3	M.W.	6:20-7:50	Summersgill
1	Shorthand Theory, 41b (Beg.)		3	M.W.	6:20-7:50	Leisy
1-2	Typewriting, 51-52		2	M.W.Th.	8:00-9:30	Summersgill
1-2	Adv. Sh. and Type, 83-84a	42	3	T.Th.	6:25-8:50	Self
1-2	Adv. Sh. and Type, 83-84	84	3	T.Th.	6:25-8:50	Dodge
1	Adv. Sh. and Type, 85	84	2	T.Th.	6:25-7:50	Tenny
2	Dictation, 186 (Advanced)	85	2	T.Th.	6:25-7:50	Tenny
1-2	Advanced Dictation, 187-188	186	3	T.Th.	6:25-8:50	Flint
1	Methods in Sec. Subjects, 131	*	3	M.W.	4:30-6:00	Flint
2	Bkpg. & Gen. Business (Meth.) 172	*	2	M.W.	4:30-5:30	Flint
SOCIOLOGY						
1	Social Attitudes, 42	41	3	M.W.	8:00-9:25	DeGraf
1	Urban-Rural Sociology, 113	42	2	W.	6:00-7:50	DeGraf
2	Intro. to Sociology, 41		3	M.W.	8:00-9:25	DeGraf
2	Leadership, 104	42	2	W.	6:00-7:50	DeGraf
1	Community Organization, 206		3	M.W.	8:00-9:25	Kruse
2	Race Relations, 217	42	3	T.Th.	6:25-7:50	Thompson
SPEECH						
1.2.	Bus. Men's Pub. Spkg., 47		2	M.	6:00-7:50	Turner
1.2.	Bus. Men's Adv. Pub. Spkg., 48		2	M.	8:00-9:50	Turner
1.2.	Public Speaking, 41		3	M.W.	6:25-7:50	Hayworth
1	Radio Speaking, 181	*or 41	3	M.W.	8:00-9:25	Hayworth
2	Interpretation, 51	41	3	M.W.	6:00-7:50	Hayworth
2	Public Disc. & Procedure, 56		3	M.W.	6:25-7:50	Hitchcock
VOCATIONAL EDUCATION						
1-2	Methods of Tchg. Occ. Subjects, 129		2	T.	4:00-6:00	Strobel

1-2 Courses continue through the year.

1.2. Courses repeated second semester.

* Permission.

Courses Numbered 1 to 40 are regarded as freshman subjects.

41 to 99 sophomore subjects.
100 to 199 junior subjects.
200 to 299 senior subjects.
300 to 400 graduate subjects.

1938 SUMMER SESSION

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 and the courses taught and the instructors, with a few exceptions, are the same as for the fall and spring semesters. Credit obtained is fully recognized toward the various degrees and certificates which the University confers.

The seventeenth annual Summer Session begins Monday, June 20, and closes Friday, July 29.

ADMISSION REQUIREMENTS

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

Students from other colleges should present a statement of good standing from the registrar of the institution last attended.

SPECIAL STUDENTS

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

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. A two-hour class meets daily for a period of one hour for six weeks. A three-hour class meets 1½ hours a day for six weeks.

Students receive reports by mail, at the close of the session, indicating the quality of work done and the amount of credit granted.

No student is allowed to enrol for courses aggregating more than six semester hours, except upon the approval of the Director.

REGISTRATION

Registration for the 1938 Summer Session will be held in Rooms 37 and 38, Buchtel Hall, June 20, from 8:00 a. m. to 4.00 p. m. Any person registering after June 20 will be charged a late registration fee of \$5.00. Late registrants should report to the office of the Director. All changes in courses must pass through the Director's office.

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 20, or by mail before this date.

FEEES

All fees are payable at the Treasurer's office before the student enters classes. A plan of deferred payments may be made with students who establish satisfactory credit arrangements. There is a small carrying charge for this service.

Maintenance fee for all students, per credit hour	\$6.00
Student activity fee.....	1.00
Late fee (applied after Monday, June 20).....	5.00

APPOINTMENT BUREAU

The Dean of the College of Education is chairman of the Appointment Bureau for Teachers. Summer Session students may enrol for appointment without extra fee.

PRACTICE TEACHING

Student teaching will be done in the Akron and Barberton public schools. All requests for student teaching must be made before May 16 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 formal application for practice teaching.

CERTIFICATION

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 a degree. Many subjects taught in the summer sessions are also credited toward degrees in the other colleges of the University.

Students who expect to complete the requirements at the close of the 1938 Summer Session 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.

HIGH SCHOOL CERTIFICATES

One who has trained in a special field and wishes to qualify for the high school four-year provisional certificate must, in addition to the professional courses required for the special certificate, possess the following credits:

Organization and management in the academic field.....	2 semester hours
Special methods in an academic major or minor.....	2 semester hours
Student teaching in the high school academic field.....	2 semester hours
Total.....	6 semester hours

ELEMENTARY SCHOOL CERTIFICATES

In view of the fact that many who train for secondary work may wish later to go into elementary teaching, the following work in the elementary field is prescribed, as additional to that necessary for a high school provisional certificate, in order to obtain an elementary provisional certificate:

Special Methods in three elementary subjects, one of which must be reading	6 semester hours
Practice teaching in the elementary field	2 semester hours
Music in the grades	2 semester hours
Art in the grades	2 semester hours
Health Education in the grades	2 semester hours
Total	14 semester hours

GRADUATE STUDY

The Summer Session program offers opportunity for study on the graduate level. Students interested in graduate courses for advanced study should confer with the instructors in their specialized fields and with the Dean of Graduate Study if they wish to be candidates for the Master's degree.

Graduate work is offered in the following departments: Education, English, History, Mathematics, Psychology, and Sociology.

SPECIAL GRADUATE GUIDANCE COURSE

This course will consider the concepts basic to guidance and study the roles of administrators, teachers, parents, and the community in effecting satisfactory adjustment of youth to society. Specialists in various areas will be called upon to assist with problems in their areas of specialization. Dr. T. L. Engle, Dr. H. R. Evans, Dean D. H. Gardner, and Dr. Kenneth Eells.

SUMMER EVENING CLASSES

Interest and attendance have been growing in evening classes during the Summer Session. Courses are offered on Monday, Tuesday, and Thursday evenings from 6:30-8:45 are:

Accounting 22, Business Policy 268, English 2, American Literature 47, Trigonometry 22, Applied Psychology 42, Public Speaking 42 and Analytics 43.

DEMONSTRATION NURSERY SCHOOL

A demonstration Nursery School will serve as a laboratory in Child Psychology and offer an opportunity for those who desire practice teaching in this field.

ACTIVITY SCHOOL

The success of the 1937 Activity School brought numerous demands for its repetition in the 1938 program. The class work has been extended and those who have had Activity School, 101, may enter Activity School, 303, and receive advanced or graduate credit.

READING CONFERENCE AND CLINIC

Dr. Walter B. Townsend, of Butler University, who has gained national recognition for his diagnostic and remedial work in reading, will conduct a conference and clinic during the week of July 11th to 15th.

1938 SUMMER SESSION SCHEDULE

Department and Course	Pre-requisite	Cr. Hrs.	Time	Instructor
ART				
Art Appreciation, 30		2	10:00-11:00	Barnhardt
Modeling, 60	59	2	1:00- 3:00	Cable
Crafts, 102		2	8:00-10:00	Cable
Weaving, 106	43	2	10:00-12:00	Cable
Still Life, 112	111	2	11:00- 1:00	Barnhardt
BIOLOGY				
Field Botany, 113-114		6	8:00- 1:00	Acquarone
Human Physiology, 135		3	8:00- 9:20	Jones
Entomology, 144		4	9:00-12:35	Kraatz
General Genetics, 146	Eve.	3	M.W.Th. 7:00- 9:15	Jones
CHEMISTRY				
Chemistry, 21		4	8:00-11:30	Cook
Chemistry (Organic), 44	22	4	8:00-11:30	Cook
COMMERCE				
Accounting, 22	21 Eve.	3	M.T.Th. 6:30- 9:00	McKee
Business Administration, 61		3	8:00- 9:30	McKee
Selling & Advertising, 81		3	7:30- 8:53	Leigh
Consumer Economics, 82		3	10:00-11:30	Leigh
Business Policy, 268	Sr.-Perm. Eve.	3	M.T.Th. 6:30- 8:45	Leigh
ECONOMICS				
Production, Prices, & Income, 41		3	11:00-12:20	Ford
Current Economic Problems, 42		3	7:35- 8:53	O'Hara
Development of Economic Inst., 44		3	9:00-10:20	O'Hara
EDUCATION				
Introduction to Education, 55		3	7:35- 8:53	Light
Geography of Europe, 74		3	10:00-11:20	
*Activity School, 101		3	8:00- 9:00	Kemler
Ed. Tests & Measurements, 105	Jr.	2	8:00- 8:53	Bixler
High School Methods, 113		3	10:00-11:20	Flood
School Management, 118	113	2	7:00- 7:53	Coffeen
Practice Teaching, 124	135 or 113	4	Appointment	Evans
Reading Content and Method, 135		3	7:35- 8:53	
Arithmetic Content and Method, 136		2	9:00- 9:53	Bixler
History Content and Method, 138		2	10:00-10:53	Bixler
Teaching of English & Speech, 194		3	11:00-12:20	Hamilton and Rab
†Educational Problems, 201	113	3	7:35- 8:53	Kuhnes
EDUCATION—GRADUATE				
Guidance, 301		3	10:00-11:20	Special Staff
*Activity School, 303	101 or perm.	3	10:00-11:00	Kemler
Seminar in Curriculum, 427		2	12:00-12:53	Evans
ENGINEERING				
Engineering Drawing, 21		2	8:00-10:53	Wilson
Surveying, 21-22		2	11:00-12:53	Durst
ENGLISH				
English, 1		3	9:00-10:20	Roberts
English, 2	1	3	9:00-10:20	Hamilton
English, 2	1 Eve.	3	M.T.Th. 6:30- 8:45	
Word Study, 42	2	2	9:00-10:20	Pease
Introduction to Literature, 46	2	3	7:35- 8:53	Hamilton
American Literature, 47	2 Eve.	3	M.T.Th. 6:30- 8:45	Raw
†Chaucer, 201	Grad. or Perm.	3	7:35- 8:53	Pease
HISTORY				
Modern Europe, 46		3	7:35- 8:53	Sappington
†Foundations of American Nationality, 222	Sr. or Grad.	3	11:00-12:20	Moore
†Recent Europe, 246		3	9:00-10:20	Sappington
HOME ECONOMICS				
General Foods, 45		3	9:00-12:20	Ridler
Nutrition, 119	45	3	7:35- 8:53	Ridler
Child Development, 125	Psy.	3	9:00-10:20	Swift
Home Economics Education, 151	Psy.	3	11:00-12:20	Swift
INDUSTRIAL ARTS				
Handcrafts in Elementary Schools		2	8:00- 9:20	Hamburger
INTRODUCTORY COURSES				
Introduction to Hygiene, 4		2	11:00-11:53	Engle
Introduction to Social Sciences, 5		3	7:35- 8:53	Sherman
Introduction to Social Sciences, 6		3	9:00-10:20	Sherman
Introduction to Humanities, 8	7	3	7:35- 8:53	Keister
Introduction to Natural Sciences, 9		3	11:00-12:20	Gray
Introduction to Natural Science, 10	9 or Perm.	3	11:00-12:20	Jones

* 1 hour observation required.

† May carry graduate credit.

Eve.—Evening Class.
Perm.—Permission.

Department and Course	Pre-requisite	Cr. Hrs.	Time	Instructor
JOURNALISM				
News Writing and Editing, 55		2	11:00-11:53	Vance
MATHEMATICS				
Algebra, 21		4	9:00-10:53	Selby
Trigonometry, 22	Eve.	3	6:30- 8:45	Lipscombe
Calculus, 56		3	9:00-10:20	Lipscombe
†Higher Algebra, 207	46	3	11:00-12:20	Selby
Analytics, 47	Eve.	2	6:25- 7:45	
LATIN AND GREEK				
Classical Mythology, 99		3	11:00-12:20	Young
Greek Masterpieces in English Translation, 149		2	10:00-10:53	Young
MODERN LANGUAGES				
German, 21		4	8:00- 9:53	Albrecht
French, 21		4	10:00-11:53	Rice
MUSIC				
Dalcroze Eurythmics		1	12:00-12:53	Wells
Wind Instruments Class		1	10:00-10:53	Lebo
General Theory, 21		1	11:00-11:53	Ende
Appreciation of Music, 22		2	8:00- 8:53	Ende
Voice Class, 45		1	9:00- 9:53	Stein
Sight Singing, 82		2	9:00- 9:53	Ende
Kindergarten Primary Music, 86	Perm.	2	10:00-10:53	Rider
School Music, 87-88	Perm.	2	11:00-11:53	Rider
Organ, Piano, Violin, Voice			Appointment	
PHYSICAL EDUCATION				
Swimming, Tennis, Archery, 4		1	12:00-12:53	Smith
Theory & Practice, 105 (Coaching)		2	10:00-10:53	Aiken
School Health, 118		2	11:00-11:53	Smith
Municipal and Industrial Recreation		2	7:35- 8:30	Edmund
First Aid & Massage, 126		2	9:00- 9:50	Smith
POLITICAL SCIENCE				
American National Government, 41		3	8:00- 9:20	King
International Relations, 112		3	11:00-12:20	King
PSYCHOLOGY				
General Psychology, 41		3	7:35- 8:53	Wood
Applied Psychology, 42	41 Eve.	3	6:30- 8:45	Hayes
Educational Psychology, 51	41	3	10:00-11:20	Kuhnes
Child Psychology, 105	51	3	9:00-10:20	Hayes
PSYCHOLOGY GRADUATE				
Abnormal Psychology, 205	12 hrs.	2	8:00- 8:53	Engle
Adv. Educational Psychology, 303	12 hrs.	2	9:00- 9:53	Wood
SECRETARIAL SCIENCE				
Secretarial Theory, 21		3	11:00-12:20	Doutt
Office Methods, 26		3	8:00- 9:53	
Typewriting, 31 (Beginning)		2	{ 7:40- 8:53 10:30-11:53 }	Self
Shorthand Theory, 42	41	3	9:00-10:20	Self
Typewriting, 52	31 or 50	2	{ 7:40- 8:53 10:30-11:53 }	Tenney
Dictation, 83 & 84 (Intermed.)	42 & 83	3 each	8:00-10:20	Tenney and Flint
Business Letters, 93		2	10:00-10:53	Doutt
Methods in Secretarial Subjects, 151		3	11:00-12:20	Flint
SOCIOLOGY				
Modern Social Problems, 43	41	3	7:35- 8:53	DeGraff
†The Family, 204		3	9:00-10:20	DeGraff
SPEECH				
Public Speaking, 41		3	7:35- 8:53	Rabe
Public Speaking, 42	Eve.	3	6:30- 8:45	Varian
Interpretation, 51		3	9:00-10:20	Varian

† May carry graduate credit. Eve.—Evening Class. Perm.—Permission.

COMMUNITY CO-OPERATION

The University of Akron, as a municipal university, aims to bring all of its departments into close touch with the activities of the city of Akron.

The following covers the work of the past year.

THE COLLEGE OF ENGINEERING

Students in the College of Engineering work part-time in foundries, machine shops, and rubber factories on construction and railroad work, and in municipal and county engineering departments. Engineering instructors make numerous tests of materials and equipment, and the facilities of the department are available to the technical men in local organizations for testing purposes.

THE COLLEGE OF EDUCATION

In addition to the preparation and training of teachers for the Akron Public School System, the College of Education aims to increase the opportunities for continued training to teachers already in service. Late afternoon, evening, and Saturday courses are offered. Students are required to do practice teaching for one semester before graduation. This is made possible through the co-operation of the Board of Education.

THE LIBRARY

The resources of the library are open to citizens of Akron for reference during the regular library hours, and for circulation in so far as the demands of classwork upon the collection will permit.

THE TESTING LABORATORY OF THE CITY OF AKRON

In accordance with the proposal made by the Directors of the University and accepted by the Akron City Council, the Testing Laboratory does much of the chemical and physical testing work of the city. It serves especially the Board of Education, the Police Department, the Service Department, and the Coroner's Office. It answers many calls requesting chemical or other technical information. The Testing Laboratory uses the facilities of the Chemistry and Engineering Laboratories.

DEPARTMENT OF BIOLOGY

Close affiliation is maintained with the City Health Department. Bacteriological and serological testing and investigations are carried on in connection with the various clinics and hospitals. A "blood squad" composed of selected students is held in readiness for emergency transfusions. Facilities are provided for research work on the part of some of the surgeons of the city. Lectures and informal talks have been given before luncheon clubs and other organizations in Akron and vicinity. Identification of zoological and botanical specimens is made from time to time by various members of the department.

DEPARTMENT OF CHEMISTRY

Two fellowships in the chemistry of rubber technology, open to graduates of standard American colleges, have been established at the University of Akron by the Goodyear Tire and Rubber Company and the Firestone Tire and Rubber Company, for the purpose of training men for service in their laboratories.

COMMERCE DEPARTMENT

This department makes traffic and occupancy surveys and consumer and advertising studies of a community nature, and investigations of accounting and business problems. Also, it issues a monthly bulletin analyzing business trends in Akron.

DEPARTMENT OF HOME ECONOMICS

Students in the Department of Home Economics are encouraged to take active part in clinics and private agencies which deal with problems related to home life. Special problems are selected by or assigned to mature students for study in such organizations as the Family Service Society, the public schools, and hospitals. Many students participate in program planning for women's organizations. They assist commercial firms in demonstrations and contests of consumers' goods. Studies in regard to selection and purchase of consumer's goods are made and reports are given to the public on their findings. Students use family case studies in economic, management, and feeding problems with a view to helping families make adjustments. Many students apply their knowledge of textiles, clothing, and house furnishing to department store selling and welfare organization.

DEPARTMENT OF PHYSICAL EDUCATION

Summer camp work is planned by the staff in Physical Education for boys in Akron. Students majoring in the department are doing playground and camp work in and near the city.

DEPARTMENT OF SOCIOLOGY

The Department of Sociology has active affiliations with the Summit County Children's Home, the Family Society, the Juvenile Court, and the City Hospital. These institutions and agencies provide the supervised training for the students who are actively interested in entering the profession of social welfare work.

The Census Tract Maps for the City of Akron are under the direct supervision of the department of sociology. Surveys and special supervised studies are conducted by the department. Students are also trained in statistical research.

The department conducts an annual two-day Social Welfare Institute complimentary to the City of Akron and contiguous areas.

DEPARTMENT OF SPEECH

A student assistant, under the supervision of a member of the teaching staff, has directed the speech clinic, to which any one in Akron was privileged to come for advice regarding speech defects, and which offered remedial training to a limited number. The Speakers' Bureau furnished speakers to over 300 audiences. A number of one-act plays were presented for various organizations. A county-wide radio play writing contest was conducted in co-operation with the Akron Peace Council.

THE DIVISION OF ADULT EDUCATION

Credit and non-credit courses of study are offered in the Evening Session and the Summer Session. Non-credit classes are arranged to meet the needs of many persons who want practical training for a particular vocation or avocation. Organized on a twelve-week basis, such courses were offered at the B. F. Goodrich Co., with an enrolment fee of \$4.00, during 1937-1938. The Community College classes are conducted on a twelve-week basis on the campus during the regular school year with an enrolment fee of \$5.00.

The Division of Adult Education has cooperated with several departments of the University in sponsoring one to three day institutes. During 1937-1938 these included Playground and Recreational Institutes for the city's recreation workers, a Guidance Conference, and a Social Welfare Institute. The Division has also cooperated with the Akron area Girl Scout Leaders and the State Department of Public Assistance in the local district of ten counties by offering facilities for in-service training classes for these groups.

COMMUNITY COLLEGE

The courses offered in Community College are planned to satisfy the specific needs and interest of those persons who are not particularly interested in earning a college degree.

Classes are conducted on a lecture discussion basis. Additional classes will be arranged for fifteen or more persons interested in a subject not offered in the present program.

Each class meets for twelve weeks.

Classes held during the first semester of 1937-1938 were: Practical English, Elementary Aeronautics, Police School, Salesmanship, Shop Mathematics and Clothing.

Classes held during the second semester of 1937-1938 were: Photography, Blue Print Reading, Credits and Collection Law, Practical English, Radio Speaking, Meteorology, Police School, Bookkeeping, Salesmanship, Shop Mathematics and Clothing.

SUMMARY OF STUDENTS IN DAY CLASSES

BUCHTEL COLLEGE OF LIBERAL ARTS

	Men	Women	Total
Graduate Students.....	19	4	23
Humanities Division.....	19	43	62
Social Science Division.....	33	35	68
Natural Science Division.....	49	9	58
Irregular Students.....	3	4	7
	<u>123</u>	<u>95</u>	<u>218</u> 218

COLLEGE OF ENGINEERING AND COMMERCE

ENGINEERING			
Graduate Students.....
Regular Students.....	89	..	89
Irregular Students.....	7	..	7
	<u>96</u>	<u>..</u>	<u>96</u> 96
COMMERCE			
Graduate Students.....	1	..	1
Regular Students.....	54	2	56
Irregular Students.....	1	..	1
	<u>56</u>	<u>2</u>	<u>58</u> 58
SECRETARIAL SCIENCE			
Graduate Students.....
Regular Students.....	5	19	24
Irregular Students.....
	<u>5</u>	<u>19</u>	<u>24</u> 24

COLLEGE OF EDUCATION

Graduate Students.....	6	10	16
Regular Students.....	40	99	139
Irregular Students.....	1	4	5
	<u>47</u>	<u>113</u>	<u>160</u> 160

THE GENERAL COLLEGE

NEW FRESHMEN			
Regular Students.....	286	179	465
Irregular Students.....	11	4	15
OTHERS			
Regular Students.....	314	174	488
Irregular Students.....	10	3	13
	<u>621</u>	<u>360</u>	<u>981</u> 981
			<u>1537</u>

A regular student is one who is classified for 8 or more credits per semester; an irregular student is classified for less than 8 credits.

SUMMARY OF ALL STUDENTS IN THE UNIVERSITY

1937-1938

	Men	Women	Total
Graduate Students.....	26	14	40
Upper Colleges.....	289	207	496
General College.....	600	353	953
Irregular Students.....	32	16	48
	947	590	1537
Total Day Session Enrolment.....	1276	711	1987
Total Evening Session Enrolment.....	241	321	562
Total Summer Session Enrolment (1937).....	2464	1622	4086
Less Duplicates.....	213	153	366
Total Net Enrolment.....	2251	1469	3720

ENROLMENT BASED ON STUDENT CREDIT HOURS

	Total Student Cr. Hrs.	*Full-time Student Equivalent
Buchtel College of Liberal Arts.....	6,216	194.2
College of Engineering and Commerce.....	4,500	140.6
College of Education.....	4,676	146.1
General College.....	25,218	788.0
Evening Session.....	10,541	329.4
	51,151	1,598.3
Summer Session (1937).....	2,462	76.9
	53,613	1,675.2

*A full-time student is the equivalent of one student pursuing a normal full-time load (32 hours) for the academic year.

DEGREES CONFERRED JUNE 15, 1937

BUCHTEL COLLEGE OF
LIBERAL ARTS*Bachelor of Arts*

Carl John Adelman
George Henry Bertach, Jr.
Harold Joseph Beuter
Aaron Brill
Roy Edward Browne
Frank Bussey, Jr.
Wilford Ellsworth Cameron
Jerry Echols Carpenter
Angie Louise Coscia
Harvey Leo Davis
Chester James Dreyer
Lois Evelyn Finley
Robert Dodd Firestone
Lois Ada Foster
Mary Elizabeth Frederick
Dolores Virginia Friess
Claude Wesley Fuston, Jr.
Mary Cecna Gardner
Leonore Deniston Goehring
Robert Frederick Graf
Mildred Louise Gray
Bonar Ewan Griffiths
Arden Elwood Hardgrove
Willard Wilson Harris
Victor Ellsworth Hillegass
Virginia Himebaugh
Walter Milan Hranilovich
Ruth Anna Irwin
Jack Alfred Jaques
Milton Oscar Johnson
Ellen Elizabeth Jones
Clair Vincenz Kibler
Ruth Levern Kilgore
Hal Richard Kolp
William Kurth
George Leuca
Lenore Christian Lewis
Robert Miller Lewis
Sara Anne McBride
Dorothy Lucille McCheaney
Eleanor Friedman Maglavay
Jean Mahaffey
Jon Emmanuel Malamatinis
Walter Arthur Marco
Nola Beryl Matlack
Robert Alan Meyers
Raymond Lincoln Moreland
Wilma Hazel Myers
Zoltan Neumark
Robert Malcolm Palmquist
Romeo James Parenti
George Pulao
Mildred Elizabeth Rausch
Kenneth Darwin Replogle
Ruth Elmore Robinson
Hans Louis Schlichting
Philip Wanamaker Schwan
Jeannette Trew Sechrist
John Albertus Sigrat
Frank Allen Smith
Paul Albert Snearline
Earl Kraiss Snyder
Kathryn Thelma Sowers
Richard Farrell Stevens
William Wayne Summerlot

Adella Mae Taylor
Orrin Clayton Tubbs
Juanita Mae Turner
Thomas Charles Watters
Elsie Barbara Widick
Dorothy Williams
Julia Williams
Wilbert Herron Wright

Bachelor of Science

Robert U. Blaser
Ralph H. Caston
Edward Noble Cunningham
Joseph J. Eckert
Joe Louis Goldstein
Nathan Litawetsky
Eleanor Mae Mueller
Warren Louis Perilstein
Jerome Rogoff
Richard Patrick Ryan
Eli C. Steffy
Melvin Paul Wineberg
Clarence Michael Witzberger

Bachelor of Science in Applied Art

Berdelle Margaret Keller
Kathryn Louise Kempel
Norma Esther Struble

*Bachelor of Science in
Home Economics*

Jane Allyn
Louise Cuthbert Gallagher
Eleanor Garman Gilmour
Mary Virginia Hancock
Florence Kain
Janet Loomis
Frances Marie Ulmer

THE COLLEGE OF
ENGINEERING AND
COMMERCE*Bachelor of Civil Engineering*

John William Allen
Foster Eugene Zaiser

Bachelor of Electrical Engineering

Carl John Kraus
Paul Don Remark
Newell Allison Williams

Bachelor of Industrial Engineering

Jules Corvington

Bachelor of Mechanical Engineering

Alvin J. Alexander
Kenneth Albert Buchtel
Herbert R. Fish
Russel Jacob Keller
Ivan Jim Kovach
Frank J. Saus
Ernest Ralph Taylor
Thomas Clark Weaver
Robert Henry Wetzel

Bachelor of Science in

Business Administration
William Lewis Blount
George James Fetherson
Claude Douglas Fuller
Austin Thomas Heffelman
Lester William Kaufman

Eugene Claire Kreighbaum
Howard Glenn Marsh
Lyle Hubert Russell
Bruce William Wert

*Bachelor of Science in
Secretarial Science*

Margaret Elizabeth Aitkenhead
Jane Benninghof
Ruth Marion Hessler
Ocie Rebecca Krebs
Alvin Wilhelm Larson
Robert H. Pealy
Eleanor Jane Pockrandt
Margaret Crane Price
Doris Secor Smith
Ethel Frederick Thornton
Harriett Larabee Weber
Eleanor Cecelia Winter

THE COLLEGE OF
EDUCATION*Bachelor of Education*

Rachel Cora Alperer
Gladys Yolande Arbogast
Ruth Dorothy Avem
Elizabeth Urquhart Beatson
Coletta Florence Begue
Marie Evelyn Beidler
Florence Ann Bertach
Ursula Jane Bowman
Gladys Irene Breitenbacher
Hester Ida Buticofer
J. Irene Calnon
Angelin Chaordar
Evelyn Close
Chloe Mae DeLong
Russell George Estey
Ella Facciuto
Marceil Antles Fifer
Maxine Marialyce Firestone
Hinda Wise Gahring
Marjorie Gillette
Ruth Arlene Gotshall
Nellie Mae Haines
Florence Marie Harry
Hazel Gable Herman
William Frank Hickman
Ellen Elizabeth Jones
Corinne Catherine Killinger
Josephine Kyle
Mildred Tarrant Latashaw
Evelyn Mullett Nolley
Blanch Marion Parsons
Frances Mary Rabe
Mildred Marie Scherbarth
Florence Proehl Selby
Howard Isaac Selch
Genevieve Lucille Sennett
Harriette Esther Snyder
Katheryne Mary Stahl
Nanciëbelle Strausbaugh
Ether Tapper
Alva Faith Truhell
Janet Florence Vooper
Mary Madelyn Wilhelm
Thomas Burbank Wood

THE COLLEGE OF EDUCATION (Continued)

Bachelor of Science in Education
Paul Douglas Bagwell
Elizabeth Caroline Barrow
Helen Briges Burns
Lillian Cohen
Grace Hortense Gerson

Mary Elizabeth Graf
Mary Lucille Hale
Margaret Evelyn Halliday
Verna Geraldine Johnson
Inez Miriam Kulczycky

Marian Bullock Markle
Mary Elizabeth Miller
Mildred Catherine Smith
Leroy Alfred Speck
Mardis Ray Williams

GRADUATE STUDY

Master of Arts
Vincent Joseph Biondo
A.B., University of Akron, 1934

Master of Science
Leland Elwood Oneacre
B.S., University of Akron, 1936

Master of Arts in Education
Julia Mull Ganyard
A.B., Oberlin College, 1921

Harlan Alfred Moore
A.B., College of Wooster, 1926

Evelyn Mildred Ost
A.B., University of Akron, 1936

William Charles Packan
A.B., University of Akron, 1935

Oliver Howard Somers
A.B., Wittenberg College, 1927

Master of Science in Education
Terrence Ellsworth Williams
B.S. in Education, University of Akron, 1934

Master of Education
Sarah Fiaber Clark
A.B. in Education, Howard University, 1932
Mida Elizabeth Kerr
B.E., University of Akron, 1932

CERTIFICATES AND COMMISSIONS

THE COLLEGE OF ENGINEERING AND COMMERCE

Two-year Certificate in Secretarial Science

Ernest Stanley Edwards
Arlene Janet Fowles
Eather Irene Ryland Martin (January, 1937)

Betty-Jane Beatrice Sanford
Rosemary Wade

THE COLLEGE OF EDUCATION

Certificates granted since June, 1936

Three-year Certificate in Elementary Education

Gladys Dougherty Chance

Mildred Marie Scherbarth

Two-year Certificate in Elementary Education

Anne Gilchrist Allen
Martha Spangler Bair
Bonnie Lee Clinton
Agnes C. Harbaugh

Ruth Elizabeth Lawrie
Anebel Baughman Marx
Meta Anne Murin
Madeline Margaret Phillips

Euna Robinson
Margaret Mathias Saxe
Cora West Sheppard
Betty Warwick

COMMISSIONED SECOND LIEUTENANTS, INFANTRY,
OFFICERS' RESERVE CORPS

Robert E. Davies
Frank J. Grucella
Austin T. Heffelman
James A. Jaques
Carl J. Kraus
Eugene C. Kreighbaum
Lawrence Mack

Howard G. Marsh
Donald W. Mather
William J. McIntosh
Robert A. Meyers
Ira H. Morton
Raymond G. Noel

William W. Summerlot
Wendell M. Van Sickle
James R. Viall
Stanley R. Vosper
Thomas C. Watters
Thomas C. Weaver
H. J. Wiley

GRANTED CERTIFICATES FOR APPOINTMENT AS SECOND LIEUTENANTS,
INFANTRY, OFFICERS' RESERVE CORPS (Not commissioned by reason of being
under twenty-one years of age)

Hal R. Kolp

John E. Martin

Maurice G. Wince

HONORS AND PRIZES

GRADUATION WITH DISTINCTION (June, 1937)

Buchtel College of Liberal Arts

Robert U. Blaser
Jerry Echols Carpenter
Lois Ada Foster
Mary Ocena Gardner

Joe Louis Goldstein
Arden Elwood Hardgrove
Virginia Himebaugh
Ruth Anna Irwin

Jean Mahaffey
Romeo James Parenti
Mildred Elizabeth Rausch
Paul Albert Sneartline

College of Engineering and Commerce

Ruth Marion Hessler

Paul Don Remark

Ernest Ralph Taylor

The College of Education

Hazel Gable Herman

Marian Bullock Markle

Mildred Catherine Smith

PIXLEY SCHOLARS, 1937-38

IN ENGLISH: *Seniors*—Edna Abbott, Frances Bockman, Jane Bricken, Cathryn Carroll, Curtice Gregory and Rose Kuhar.

Juniors—Betty Harbaugh, Miriam Keller.

IN DRAMATICS: Lillian Fuston, Beatrice Offineer, Conrad Reining, Margaret Roundy.

IN MUSIC: *Piano*—Evelyn Christman, Vivian Crawford, Forest Sibley, Catherine Wagner.
Organ—Robert Huhn, LaVerne Davis.

THE RUTH DUGAN AERONAUTIC SCHOLARSHIP

Robert Henry Wetzel, 1936-37

Marvin Seese, 1937-38

THE DR. E. B. FOLTZ MEDICAL PRIZE

Joseph J. Eckert

THE SENIOR ALUMNI PRIZE

Virginia Himebaugh

THE ASHTON PRIZES FOR EXCELLENCE IN READING AND RECITATION

The Senior Contest (1937)

First Prize..... Paul Bagwell Second Prize..... Marjorie Keener

The Junior Contest (1937)

First Prize..... Robert Ducotey Second Prize..... Isobel Griffith

The Sophomore Contest (1937)

First Prize..... Edwin Eshleman. Second Prize..... Lillian Fuston

The Upper Colleges Contest (1938)

First Prize..... Beatrice Offineer Second Prize..... Margaret Roundy
Third Prize..... Samuel Langerman

The General College Contest (1938)

First Prize..... Joanna Alogdelis Second Prize..... Kenneth Ross
Third Prize..... William Barkley

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 per cent; in the junior class, an average grade of not less than 92 per cent:

Elected to membership from the Class of 1937

As juniors in 1936:

Arden E. Hardgrove
Virginia Himebaugh
Paul A. Snearline

As seniors:

Robert U. Blaser	Romeo J. Parenti
Jerry E. Carpenter	Warren L. Perilstein
Lois Ada Foster	Mildred E. Rausch
Joe Louis Goldstein	Jane Steiner

As juniors of the Class of 1938

Frances Bockman
Verba Horner

Elva Dreisbach
Mary Jane Maskrey
Mary Agnes Simmons

TAU KAPPA PHI

In Buchtel College of Liberal Arts, in Home Economics, from the junior class, outstanding in scholarship, leadership, character, and personality:

Jean M. Blake

Edith M. Weaver
Mary Opal Nipper

SIGMA TAU

In the College of Engineering and Commerce, elected from the upper third of each junior class, in Engineering, for scholarship, and personality:

Alvin Alexander
Robert B. Greene

John Edwin Martin
Dale Leonard Waugh

BETA DELTA PSI

In the College of Engineering and Commerce, elected from the junior class, in Commerce, for scholarship:

Malcolm Stephen Ames
Paul Branner Cate
Charles John Giegel

Austin T. Heffelman
Floyd Elsworth Ogden
Bruce William Wert

SIGMA THETA TAU

In the College of Engineering and Commerce, chosen from juniors, seniors and graduate students specializing in Secretarial Science whose general average is at least B:

Audrey Dale Boles
Robert Fisher Ducotey
Ruth Marion Hessler

Alvin Wilhelm Larson
Robert H. Pealy
Eleanor Jane Pockrandt

Margaret Crane Price

SIGMA PI EPSILON

In the College of Education, elected from the senior class, for scholarship, teaching skill, and civic spirit:

Ruth Dorothy Avem
Chloe Mae DeLong

Maxine M. Firestone
Marian B. Markle

Mildred C. Smith

THE UNIVERSITY OF AKRON ALUMNI ASSOCIATION

OFFICERS OF THE GENERAL ASSOCIATION (1937-38)

President	FORREST MYERS, '27
1st Vice-President	DOROTHY SHREVE, '27
2nd Vice-President	JEROME TAYLOR, '28
Secretary	SHERMAN O. SCHUMACHER, '27
Treasurer	MAXWELL P. BOGGS

EXECUTIVE COMMITTEE

FORREST MYERS, '27; DOROTHY SHREVE, '27; JEROME TAYLOR, '28; SHERMAN SCHUMACHER, '27; and MAXWELL P. BOGGS.

ALUMNI BOARD OF TRUSTEES

Term expiring June, 1938: FRANCIS D. GILLEN, '18; MRS. K. D. SMITH, '13; INEZ PARSHALL, '02.

Term expiring June, 1939: DR. E. B. FOLTZ, '96; DR. HOWARD I. CRAMER, '26; BRUCE BIERCE, '20; KENNETH COCHRANE, '32.

Term expiring in June, 1940: CLARENCE E. MOTZ, '20; ALBERT E. SIDNELL, '14; RAYMOND BLISS, '35; ROSS A. WHITE, '03.

ASSOCIATION BRANCHES

Chicago	President, HAROLD D. ELLIS, '15, 7256 Carter Place, Chicago, Ill.
Cleveland	President, RAY A. MERTZ, '17, 9 Brown Avenue, Willoughby, Ohio
Detroit	THEODORE HARRINGTON, '25, 16800 Parkside, Detroit, Michigan
Pittsburgh	President, RALPH FAIOR, x'26, 3500 Grant Bldg., Pittsburgh, Pa.
Los Angeles	President, CLETUS FITZHARRIS, '31, 2542 Palm Place, Walnut Park, California

The Alumni Association of the University of Akron was organized in 1874 to further the interests of the college and to promote fellowship among graduates and former students. To fulfill this purpose, the Association sponsors the annual Homecoming Celebration and the Alumni Banquet at Commencement time, as well as organizing alumni clubs in other cities, and publishing the alumni magazine, *The Akron Alumnus*.

All records of the Association, including card record files for each graduate and former student, biographical files, and historical data, are kept in the alumni office, headquarters of the Alumni Association, located in Phillips Hall on the campus. Three thousand, one hundred and six students have been graduated from the University of Akron.

The Board of Trustees of the Alumni Association is the governing body and is composed of the officers and twelve trustees, all of whom must be graduates of the University. Only those who have paid their dues are eligible to vote or hold office.

There are three forms of membership dues in the Alumni Association: (1) Annual dues and subscription to the *Akron Alumnus*, \$2.00; (2) Life Membership Pledge (paid in three installments of \$10 each) \$30.00; (3) Alumni Loyalty Bond (paid in five installments of \$10 each), \$50.00.

The first three installments on the \$50.00 bonds are paid to the Alumni Association in full payment of a life membership in the Association, and the last two installments are paid to the University of Akron to be applied on an Alumni Loyalty Fund. This fund is used for capital investment or endowment purposes as the Board of Directors of the University may deem best.

Checks for dues and pledges should be made payable to the University of Akron Alumni Association.

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