

The
UNIVERSITY OF AKRON

AKRON, OHIO

AUGUST, 1929

GENERAL CATALOG
AND
ANNOUNCEMENTS FOR 1929-1930



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The
UNIVERSITY *of* AKRON

General Catalog
and
Announcements for 1929-30

PUBLISHED AT AKRON, OHIO, AUGUST, 1929

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UNIVERSITY CALENDAR

1929

- JANUARY 7, MONDAY _____ Class work resumed in all departments.
- JANUARY 18, FRIDAY _____ Founder's Day.
- JANUARY 28 TO FEBRUARY 2 _____ Final examinations.
- JANUARY 31, FEBRUARY 1
AND 2 _____ Classification for second semester in College of
Engineering and Commerce (Division B).
- FEBRUARY 1 AND 2 _____ Registration and classification of new students
FRIDAY, 9 A. M.-4 P. M. for second semester.
SATURDAY, UNTIL NOON
- FEBRUARY 4 AND 5 _____ Classification for all students in Day Sessions,
Division A in Co-operative Engineering.
- FEBRUARY 4, MONDAY _____ Registration closes for new students except those
5 P. M. re-entering or transferring from other col-
leges.
- FEBRUARY 5, TUESDAY _____ Freshman Program. Last day for payment of
fees without penalty of late registration fee.
- FEBRUARY 6, WEDNESDAY _____ Class work begins for all day sessions.
- FEBRUARY 7, 8 AND 9 _____ Registration and classification for Evening Ses-
THURSDAY, FRIDAY AND sion for second semester.
SATURDAY, 9 A. M. TO 9 P. M.
- FEBRUARY 11, MONDAY _____ Class work begins for Evening Session.
- FEBRUARY 22, FRIDAY _____ Washington's Birthday—a holiday.
- MARCH 23, SATURDAY _____ Easter recess begins.
12:00 NOON
- APRIL 1, MONDAY _____ Class work resumed.
- APRIL 15, MONDAY _____ Final classification of co-operative students in
College of Engineering and Commerce (Divi-
sion B).
- MAY 10, FRIDAY _____ Junior Ashton Prize Contest.
- MAY 24, FRIDAY _____ Tree Day.
- MAY 30, THURSDAY _____ Memorial Day—a holiday.
- JUNE 10-15 _____ Final examinations.
- JUNE 16, SUNDAY _____ Baccalaureate exercises.
- JUNE 18, TUESDAY _____ Commencement.
-

THE UNIVERSITY OF AKRON

- JUNE 24, MONDAY.....Registration and classification for Summer Session in Teachers College and Co-operative Engineering (Division B).
- JUNE 25, TUESDAY.....Class work begins in Summer Sessions.
- JULY 22, MONDAY.....Classification for Summer Session in College of Engineering and Commerce (Division A).
- AUGUST 2, FRIDAY.....Summer Session in Teachers College closes.
- AUGUST 12, MONDAY.....Registration and classification begins for fall semester for new resident and non-resident students in all departments of the day session.
- AUGUST 17, SATURDAY.....Summer Session in Co-operative Engineering closes.
- SEPTEMBER 9, MONDAY.....Registration and classification closes for new students, except those transferring from other colleges.
UNTIL 12:00 NOON
- SEPTEMBER 9-12 INCLUSIVE.....Freshman Week, compulsory for all Freshmen entering in September, 1929.
- SEPTEMBER 13 AND 14.....Registration and classification for upper-classmen in all departments (Divisions A and B in College of Engineering and Commerce).
FRIDAY, 8:30 A. M. TO
4:30 P. M.
SATURDAY, 8:30-12 NOON
- SEPTEMBER 16, MONDAY.....Class work begins in all departments of the Day Session (Division A for co-operative students).
- SEPTEMBER 26, 27 AND 28.....Registration and classification for Evening Session.
THURSDAY, FRIDAY AND
SATURDAY, 9 A. M.-9 P. M.
- SEPTEMBER 30, MONDAY.....Class work begins in Evening Session.
- NOVEMBER 18, MONDAY.....Final registration of co-operative students in College of Engineering and Commerce (Division B).
- NOVEMBER 19, TUESDAY.....Class work begins for co-operative students in Division B.
- NOVEMBER 28, 29 AND 30.....Thanksgiving recess.
THURSDAY, FRIDAY AND
SATURDAY
- DECEMBER 13, FRIDAY.....Senior Ashton Prize Contest.
- DECEMBER 21, SATURDAY.....Christmas vacation begins for all departments.
AT NOON

GENERAL INFORMATION

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1930

- JANUARY 6, MONDAY.....Class work resumed in all departments.
- JANUARY 13-17, INCLUSIVE.....Classification for second semester, students in all day sessions except Co-operative Engineering and Commerce.
- JANUARY 18, SATURDAY.....Founder's Day.
- JANUARY 27 TO FEBRUARY 1.....Final examinations.
- JANUARY 30, 31, FEB. 1.....Classification for second semester in College of Engineering and Commerce (Division A).
- JANUARY 31 AND FEB. 1.....Registration and classification of new students for second semester.
FRIDAY, 9 A. M.-4 P. M.
SATURDAY, UNTIL NOON
- FEBRUARY 3, MONDAY, 5 P. M.....Registration closes for new students except those re-entering or transferring from other colleges.
- FEBRUARY 3 AND 4.....Classification of Division B, College of Engineering and Commerce.
- FEBRUARY 4, TUESDAY.....Freshman Program. Last day for payment of fees without penalty of late registration fee.
- FEBRUARY 5, WEDNESDAY.....Class work begins for all day sessions.
- FEBRUARY 6, 7, AND 8.....Registration and classification for Evening Session.
THURSDAY, FRIDAY AND
SATURDAY, 9 A. M.-9 P. M.
- FEBRUARY 10, MONDAY.....Class work begins for Evening Session.
- FEBRUARY 22, SATURDAY.....Washington's Birthday—a holiday.
- APRIL 7, MONDAY.....Final classification of co-operative students in College of Engineering and Commerce (Division B).
- APRIL 12, SATURDAY.....Easter recess begins.
12:00 NOON
- APRIL 21, MONDAY.....Class work resumed.
- MAY 9, FRIDAY.....Senior Ashton Prize Contest.
- MAY 23, FRIDAY.....Tree Day.
- MAY 30, FRIDAY.....Memorial Day—a holiday.
- JUNE 9-14.....Final examinations.
- JUNE 15, SUNDAY.....Baccalaureate exercises.
- JUNE 17, TUESDAY.....Commencement.
- JUNE 23, MONDAY.....Registration and classification for Summer Session in Teachers College and College of Engineering and Commerce (Division B).
- JUNE 24, TUESDAY.....Class work begins in Summer Sessions.
- JULY 21, MONDAY.....Classification for Summer Session in Co-operative Engineering (Division A).
- AUGUST 1, FRIDAY.....Summer Session in Teachers College closes.
- AUGUST 16, SATURDAY.....Summer Session in Co-operative Engineering closes.

THE UNIVERSITY OF AKRON

BOARD OF DIRECTORS

MRS. CHARLES W. AVERELL.....	Term expires 1930
L. E. JUDD.....	Term expires 1930
JAMES B. PERGRIN.....	Term expires 1930
J. GRANT HYDE.....	Term expires 1932
B. A. POLSKY.....	Term expires 1932
JOHN W. THOMAS.....	Term expires 1932
P. W. LITCHFIELD.....	Term expires 1934
CHALMERS M. HAMILL.....	Term expires 1934
CLETUS G. ROETZEL.....	Term expires 1934

OFFICERS FOR 1929

JOHN W. THOMAS.....	<i>Chairman</i>
B. A. POLSKY.....	<i>Vice-Chairman</i>
C. R. OLIN.....	<i>Clerk</i>

COMMITTEES FOR 1929

<i>Committee on Finance:</i>	POLSKY, PERGRIN, HAMILL.
<i>Committee on Investment:</i>	HYDE, JUDD, MRS. AVERELL.
<i>Committee on Buildings and Grounds:</i>	THOMAS, LITCHFIELD, ROETZEL.

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

GEORGE F. ZOOK, PH. D.....	<i>President of the University</i>
CHARLES R. OLIN, M. S.....	<i>Secretary of the University</i>
GLADYS P. WEEKS.....	<i>Registrar</i>
OSCAR E. OLIN, LL. D.....	<i>Vice-President of the Faculty</i>
ALBERT I. SPANTON, A. M.....	<i>Dean of Buchtel College of Liberal Arts</i>
FRED E. AYER, C. E.....	<i>Dean of the College of Engineering and Commerce</i>
SARAH E. STIMMEL, A. M.....	<i>Director of the School of Home Economics</i>
W. J. BANKES, A. M.,	<i>Dean of Teachers College and Director of Summer Session</i>
ELIZABETH A. THOMPSON, A. M.....	<i>Dean of Women</i>
DONFRED H. GARDNER, A. M.....	<i>Dean of Men</i>
FREDERICK S. SEFTON, M. Ed.....	<i>Physical Director</i>
JOSEPHINE A. CUSHMAN, B. L. S.....	<i>Librarian</i>
LOWELL L. HOLMES, S. B.....	<i>Director of Evening Session</i>
U. S. VANCE, A. B.....	<i>University Editor</i>
R. H. SCHMIDT, A. M.....	<i>University Examiner</i>
MARGARET F. FANNING, A. M.....	<i>Acting Alumni Secretary</i>
HOWARD W. HOTTENSTEIN, M. D.....	<i>University Physician</i>

GENERAL FACULTY AND OFFICERS OF INSTRUCTION
1928-1929

GEORGE FREDERICK ZOOK, *President of the University*

A. B., A. M., University of Kansas; Ph. D., Cornell University, 1914.
265 Merriman Road

PROFESSORS

FRED E. AYER, *Dean of the College of Engineering and Commerce*

C. E., Lafayette College, 1900.
Tallmadge, Ohio

WALTER J. BANKES, *Dean of Teachers College and Director of Summer Session*

A. M., Clark University; Graduate work, Clark University, 1914-15.
1492 Delia Avenue

CHARLES BULGER, *Hilton Professor of Modern Languages*

Ph. B., Buchtel College; A. M., University of Wisconsin, Ph. D., 1925.
74 Mayfield Avenue

EARL WILLIS CRECRAFT, *Professor of Political Science*

Ph. B., Franklin College; A. M., Columbia University, Ph. D., 1915.
688 East Buchtel Ave.

WILLIAM LLOYD DAVIS, *Professor of Economics and Sociology*

Ph. B., University of Wisconsin, Ph. D., 1922; Graduate work, Harvard University,
1923-24; Two six weeks Summer Sessions at Columbia University, 1926 and 1927.
391 Mell Avenue

FRANCESCO B. DELEONE, *Director of Music*

M. Mus., Royal Conservatory of Naples; Honorary Degree, Dana's College of Music,
Warren, Ohio.
585 Delaware Avenue

ROSS C. DURST, *Professor of Civil Engineering*

B. S. in C. E., Ohio Northern University, 1916, C. E., 1920.
103 Germaine Ave., Cuyahoga Falls, Ohio

FRED S. GRIFFIN, *Professor of Mechanical Engineering*

M. E., Ohio State University, 1911.
157 Marvin Avenue

GEORGE L. HAYES, *Professor of Psychology*

M. Ed., Edinboro State Normal College; Ph. B., Ohio University; LL. B., Ohio
Northern University; A. M., University of Pittsburgh, Ph. D., 1921.
348 North Firestone Blvd.

DONALD HAYWORTH, *Professor of Speech*

A. B., Grinnell College, 1918; A. M., University of Chicago, 1921; several summers
and the year 1927-28 at University of Wisconsin toward Ph. D. degree.
283 East Buchtel Avenue

HARRY F. HAZLETT, *Professor of Military Science and Tactics*

Ph. B., Mount Union College, 1904.
Major, Infantry, U. S. A. (D. O. L.)
53 Hawthorne Avenue

FRED F. HOUSEHOLDER, *Professor of Physics*

B. A., University of Wisconsin, M. A., 1916; Graduate work, Iowa State College,
1917; University of Wisconsin, 1916, 1917, 1921; University of Chicago, 1922.
1209 Berwyn Street

- JOHN L. JONES, *Ainsworth Professor of Mathematics***
Ph. B., Lafayette College; M. A., Yale University, Ph. D., 1911.
49 Kathron Avenue, Cuyahoga Falls, Ohio
- CHARLES M. KNIGHT, *Professor Emeritus of Chemistry***
A. M., Tufts College; Sc. D., Buchtel College, 1897.
583 Weber Avenue
- EMERY L. KUHNES, *Professor of Education***
B. S., Upper Iowa University; Pd. M., New York University, Ph. D., 1915; Graduate work, University of Chicago, 1919.
751 Mercer Avenue
- WARREN W. LEIGH, *Professor of Commerce and Business Administration***
B. A., University of Utah; M. B. A., Northwestern University, 1924; Graduate work, Northwestern, 1924-26.
316 Grand Avenue
- THOMAS L. MCJOYNT, *Professor of Co-ordination***
LL. B., MacDonald Educational Institute, 1915; B. C. S., University of Cincinnati, 1920.
318 N. Seventh St., Barberton, Ohio
- CHARLES R. OLIN, *Secretary of the University***
B. S., Buchtel College, M. S., 1909.
51 Melbourne Avenue
- OSCAR E. OLIN, *Messenger Professor of Philosophy, and Vice-President of the Faculty***
A. M., Kansas State Agricultural College; LL. D., The University of Akron, 1920.
209 Grand Avenue
- RAYMOND B. PEASE, *Professor of English***
B. A., University of Wisconsin; A. M., Harvard University; Ph. D., Wisconsin, 1921; Summer Quarter, 1923, University of Chicago.
840 Chalker Street
- AMON B. PLOWMAN, *Professor of Biology***
B. S., Ohio Wesleyan University; A. M., Harvard University, Ph. D., 1905.
596 Greenwood Avenue
- JOSEPH C. ROCKWELL, *Professor of Latin and Greek***
A. B., Wesleyan University; A. M., Harvard University; Ph. D., Jena University, 1907.
58 Casterton Avenue
- FREDERICK S. SEFTON, *Director of Physical Education***
B. S., Colgate University; M. Ed., Harvard University, 1925.
589 Sunset View Drive
- HEZZLETON E. SIMMONS, *Buchtel Professor of Chemistry***
B. S., Buchtel College; M. S., University of Pennsylvania, 1912.
331 Beechwood Drive
- ALBERT I. SPANTON, *Pierce Professor of English and Dean of Buchtel College of Liberal Arts***
A. B., Buchtel College; A. M., Harvard University, 1905.
625 Weber Avenue
- SARAH E. STIMMEL, *Director of Curtis School of Home Economics***
B. S., Ohio State University, 1913; Graduate work, University of Chicago, summer of 1913; A. M., Columbia University, 1928.
161 Melbourne Avenue
- ELIZABETH A. THOMPSON, *Professor of History, and Dean of Women***
A. M., The University of Akron, 1911.
283 East Buchtel Avenue
- JOHN T. WALTHER, *Professor of Electrical Engineering***
B. S. in E. E., University of Michigan, 1909.
384 Reed Avenue

ASSOCIATE PROFESSORS

- WALTER A. GILMOUR**, *Associate Professor of Co-ordination*
B. S. in C. E., Norwich University, 1914. 861 Aberdeen Street.
- HORACE B. HAWTHORN**, *Associate Professor of Sociology*
B. S., M. S., Iowa State College; Ph. D., University of Wisconsin, 1921.
254 Falls Street, Cuyahoga Falls, Ohio

ASSISTANT PROFESSORS

- HARRY A. BENDER**, *Assistant Professor of Mathematics*
A. B., Ohio University, 1918; A. M., University of Illinois, Ph. D., 1923.
931 Stadelman Avenue
- HOWARD H. BLAIR**, *Assistant Professor of Physical Education*
B. S., Ohio State University, 1923; A. M., Columbia University, 1927.
1416 Delia Avenue
- MAXWELL P. BOGGS**, *Assistant Secretary*
A. B., Muskingum College, 1924. 825 Avon Street
- MERL LOUIS BRODERICK**, *Assistant Professor of Military Science and Tactics*
Captain, U. S. A. Infantry (D. O. L.). 283 Greenhut St., Cuyahoga Falls, Ohio
- JOHN W. BULGER**, *Assistant Professor of Civil Engineering*
B. C. E., Ohio State University, 1918. 368 Sherman Street
- WALTER A. COOK**, *Assistant Professor of Chemistry*
B. A., University of Cincinnati, 1921, M. A., 1922, Ph. D., 1924. 463 Carroll Street
- ROLLAND D. FOX**, *Assistant Professor of Bacteriology*
B. S., The University of Akron, M. S., 1923; Director of the Division of Laboratories, Akron Health Department. 899 Stadelman Avenue
- ***DONFRED H. GARDNER**, *Assistant Professor of History, and Dean of Men*
A. B., Princeton University, 1922; A. M., 1923. 841 Merriman Road
- EDMUND M. GREGORIE**, *Assistant Professor of Military Science and Tactics*
First Lieutenant, U. S. A., Infantry (D. O. L.). 781 Work Drive
- LOWELL L. HOLMES**, *Assistant Professor of Commerce and Business Administration, and Director of Evening Session*
S. B. in Engineering Administration, Massachusetts Institute of Technology; two ten weeks sessions at University of Pittsburgh. 453 Malvern Road
- THEODORE F. KOTZ**, *Assistant Professor of Modern Languages*
A. B., Lehigh, 1908; A. M., Harvard, 1911; two years at Harvard; one summer in Marburg, Germany; five summer sessions and one year at Ohio State University. 100 Hamilton Avenue
- WALTER C. KRAATZ**, *Assistant Professor of Zoology*
B. A., University of Wisconsin; M. A., Ohio State University, Ph. D., 1923. 957 Mercer Avenue

*On leave second semester, 1928-29.

THE UNIVERSITY OF AKRON

- KATHARINE M. REED, Assistant Professor of Modern Languages**
B. A., Newcomb College; M. A., Tulane University; Graduate work, Columbia University, six weeks; Three months at the Sorbonne, Paris, 1925-26.
900 Elmore Avenue
- AIMAR H. ROLLEFSON, Assistant Professor of Physics**
B. A., M. A., University of Wisconsin; Ph. D., 1928.
The University Club
- WILLIAM H. ROWE, Assistant Professor of Commerce and Business Administration**
A. B. University of Michigan; M. S., Kansas State Agricultural College, 1926; Graduate work, 1927.
876 Copley Road
- ERNEST F. SCHAEFER, Director of Bureau of City Tests, and Assistant Professor of Chemistry**
B. E. M., Ohio State University.
520 Storer Avenue
- RICHARD H. SCHMIDT, Assistant Professor of Chemistry and University Examiner**
A. B., Wesleyan University; M. A., Columbia University, 1915; Graduate work, 1915-16.
Liberty Road, Stow, Ohio
P. O., R. D. 3, Kent, Ohio
- RODNEY A. SLAGG, Assistant Professor of Botany**
B. A., University of Wisconsin, M. S., 1924; Graduate work, five semesters and four six weeks Summer Sessions, 1925-1928.
135 South Union Street
- ROBERT FOSTER STEADMAN, Assistant Professor of Political Science**
B. S., Dakota Wesleyan University, 1923; Ph. D., University of Chicago, 1928.
248 Tift Street, Cuyahoga Falls, Ohio
- CLARENCE R. UPP, Assistant Professor of Mechanical Engineering**
M. E., Ohio State University, 1910.
888 Oakland Avenue
- CARY C. WOOD, Assistant Professor of Educational Psychology**
B. S., Ohio University; A. M., Columbia; Ph. D., University of Cincinnati, 1928.
372 Madison Avenue

INSTRUCTORS

- DAVID E. ANDERSON, Instructor in Chemistry**
A. B., Augustana College; M. S., University of Chicago, 1923.
358 Northampton Avenue, Cuyahoga Falls, Ohio
- MRS. JANE S. BARNHARDT, Instructor in Art**
Boston School of Design, Art Students League of New York, B. E., University of Akron, June, 1928.
283 East Buchtel Avenue
- **ALVAN D. BATTEY, Instructor in Commerce**
Ph. B., University of Chicago, 1926; A. M., 1928.
The University of Akron
- **WALTER M. BISHOP, Instructor in Typing**
B. S. C., University of Valparaiso.
106 East York Street
- J. GARFIELD CHAPMAN, Part-time Instructor in Violin**
Director of the Violin Department, The Cleveland School of Music since 1909.
3101 Prospect Avenue, Cleveland, Ohio
- HOWARD M. DOUTY, Part-time Instructor in Secretarial Science**
Three years collegiate training.
1921 Goodyear Bld.

**Second semester, 1928-29.

- SARAH E. DUNCKLEY, Director of Physical Education for Women**
Graduate, New Haven School of Gymnastics, 1915; B. S., The University of Akron, 1923.
390 Berry Avenue
- MARGARET FLORENCE FANNING, Instructor in Modern Languages, and Acting Alumni Secretary**
A. B., The University of Akron; A. M., Radcliffe College, 1926; Graduate work University of Toulouse, France, 1926-27.
1241 Delia Avenue
- **ELDORA FLINT, Instructor in Stenography**
Graduate of the Commercial Teachers Training Course of Central City Business College, Syracuse, N. Y.; one year collegiate work at Syracuse University; two years at the University of Akron.
1130 Avon Street
- OMER R. FOUTS, Instructor in Physics**
A. B., Wittenberg College; A. M., Ohio State University, 1925; Graduate work, Ohio State University, summer quarter, 1927; University of Michigan, eight weeks Summer Session, 1928.
47 Franklin Street
- ROSALIND FREEDLANDER, Instructor in English**
B. S., in Home Economics, B. A., The University of Akron; A. M., Columbia University, 1924.
31 Twin Oaks Apartment
- DONALD RALPH GOODELL, Instructor in English**
B. S., Kenyon College, M. A., 1923; Graduate work, Ohio State University, 1923-24.
484 Vine Street
- ROSE E. GOODMAN, Instructor in Mathematics**
A. B., Otterbein College; A. M., Ohio State University, 1927.
1154 Johnston Street
- RUSSELL J. GREENLY, Instructor in Industrial Teacher Training**
Graduate, Williamson Trade School; Student, University of Pennsylvania five years.
455 Letchworth Drive
- **EUGENE GEORGE HAAS, Instructor in Chemistry**
B. S., The University of Akron, 1920; M. S., the University of Toronto, 1922.
25 Franklin Street
- FLORA G. HOOVER, Instructor in Education**
B. A., Michigan State Normal College, 1920; Graduate work, University of Akron, 1923-24; Michigan State Normal College, six weeks Summer Session.
215 East Market Street
- CLARA M. KEMLER, Director of Kindergarten-Primary Training**
A. M., Wittenberg; Graduate work, University of Chicago, Summer, 1928.
Taylor Hotel
- DAVID KING, Instructor in Political Science**
A. B., Maryville College; A. M., University of Chicago, 1925; Graduate work, University of Chicago, 1926-27, and summer of 1928.
343 Carroll Street
- STEVE KISH, Instructor in Military Science and Tactics**
Sergeant, U. S. A. (D. E. M. L.)
1173 East 87th Street, Cleveland, Ohio
- ELIZABETH A. LATHROP, Instructor in Home Economics**
B. S., Columbia University, 1926; A. M., 1927.
186 South Union Street
- JULIA REGER LEIGH, Instructor in Mathematics**
B. A., University of Iowa, M. S., 1926; Graduate work, University of Chicago, six weeks Summer Session.
316 Grand Avenue
- WALTER CONRAD LIPPS, Instructor in Physical Education**
B. E., The University of Akron, 1928.
528 Brown Street

**Second semester, 1928-29; full time, 1929-30.

- MISS WILL H. LIPSCOMBE, Instructor in Mathematics**
B. S., Florida State College; M. S., Ohio State University, 1926. 996 Dayton Street
- CARITA MCEBRIGHT, Instructor in Speech**
A. B., Cornell University, 1887; Emerson College of Oratory, 1895; American Academy of Dramatic Art, New York, six weeks, 1924; Columbia College of Oratory; two four weeks Summer Sessions on Shakspeare with Robert Mantell, 1925 and 1926. 396 East Market Street
- †ORVILLE J. MARSH, Instructor in Commerce and Administration**
A. B., Harvard University, 1922; Graduate work, University of Chicago, four quarters. 188 Eureka Court
- HENRY METZGER, Instructor in Military Science and Tactics**
Master Sergeant, U. S. A., Retired. 307 Grace Avenue
- MARJORIE MITCHELL, Instructor in English**
A. B., Western Reserve University; A. M., Radcliffe College, 1923; Graduate work, University of Chicago, six weeks Summer Session, 1924. 951 Amelia Avenue
- RONALD J. MUNRO, Instructor in Mechanical Drawing**
B. S. in M. E., University of Iowa, 1925. 126 Annadale Avenue
- LUTHER A. PARK, Part-time Instructor in Commerce and Business Administration**
A. B., Roanoke College; A. M., University of Pennsylvania, 1915; Graduate work at University of Michigan and University of Chicago, summer sessions of 1916 and 1917. 889 Fried Street
- WILBUR D. PEAT, Lecturer in Art**
Director of the Akron Art Institute. 514 Barwell Street
- *THOMAS MONROE PITKIN, Instructor in History**
A. B., The University of Akron, 1926; A. M., The Ohio State University, 1928. 317 West Market Street
- GENEVIEVE RIDER, Instructor in Public School Music**
B. M. Ed., Northwestern University, 1925. 135 South Union Street
- EDGAR C. ROBERTS, Instructor in English**
B. S. in Educ., Ohio State University, M. A., 1924. 349 Carroll Street
- MABEL JANE ROGERS, Instructor in Modern Languages**
B. A., Western Reserve University, M. A., 1922; Graduate work, Madrid, four weeks Summer Session, 1923; Western Reserve Summer Sessions, 1925 and 1926. 283 East Buchtel Avenue
- FRANCIS J. SADLER, Director of Glee Clubs, Part-time Instructor**
1523 East Boulevard, Cleveland, Ohio
- MARETA GRACE SCHILLER, Part-time Instructor in Latin**
A. B., The University of Akron, 1928. 457 Alexander Avenue
- *SAMUEL SILBERFARB, Instructor in Mathematics**
A. B., University of Manitoba, A. M., 1926; Graduate work, University of Chicago, 1926-27, 1928-29.

†Resigned as full-time instructor February 3, 1929; on Evening Session staff, second semester.

**Second semester, 1928-29.

*On leave, 1928-29.

- HARRY A. SMITH, *Instructor in Physical Education***
B. E., The University of Akron, 1928; Graduate work, 1928-29. 898 Peckham Street
- PAUL C. SMITH, *Instructor in Electrical Engineering***
B. S. in E. E., Purdue University, 1917. 179 Ido Avenue
- NELSON S. SNYDER, *Instructor in Education***
A. B., Mount Union College; A. M., The University of Akron, 1927; Summer Session at Ohio State University, 1928. 433 East Buchtel Avenue
- CLIFFORD STICKNEY, *Instructor in English***
B. A., University of Illinois, 1923; M. A., 1928. 515 North Howard Street
- WILLIAM E. STRASSNER, *Part-time Instructor in Band and Voice***
Round Lake Summer Sessions; Chicago Musical College; Skidmore School of Arts; DeReszki-Seagle School; Director of Thayer Military Band since 1923. 703 4th Street, N. W., Canton, Ohio
- ULYSSES S. VANCE, *Instructor in Journalism, and University Editor***
A. B., University of Iowa, 1923. 231 Crosby Street

LIBRARY STAFF

- JOSEPHINE A. CUSHMAN, *Librarian***
Ph. B., The University of Akron; B. L. S., University of Illinois, 1919. 517 Crosby Street
- †**RENA B. FINDLEY, *Associate Librarian***
Chautauqua Summer Course, 1908; Certificate, Simmons College, Summer Library Course, 1910. 32 South Adolph Avenue
- JULIA AVERELL, *Assistant in the Library***
A. B., The University of Akron, 1928. 459 East Exchange Street
- RUTH BARBER, *Assistant Librarian***
B. S., Western Reserve University, 1927; Certificate, School of Library Science, Western Reserve, 1927. 38 South Adolph Avenue
- ETHEL S. KLAHRE, *Assistant Librarian***
A. B., The University of Akron, 1927; B. S. in L. S., Western Reserve School of Library Science, 1928. 881 Berwyn Street
- MATILDE LOWERY, *Assistant Librarian***
Graduate Carnegie Library School, Pittsburgh, Pa.; One summer at Pennsylvania State College; Student at the University of Akron. University of Akron
- VIVIEN JANE MCCARTHY, *Assistant Librarian***
Certificate, Tuscarawas County Normal School, 1923; Diploma, Chautauqua School for Librarians, 1927. 38 South Adolph Avenue

REGISTRAR'S STAFF

- GLADYS P. WEEKS, *Registrar***
Two years collegiate work, The University of Akron. 565 East Buchtel Avenue
- EBBA LARSON, *Assistant Registrar***
655 East Buchtel Avenue
- AUDRA TENNEY, *Assistant***
A. B., The University of Akron, 1926. 754 Glendora Avenue

FELLOWS IN CHEMISTRY

- SHELDON C. NICOL, A. B., *Illinois College***
The Goodyear Tire and Rubber Company
- JOHN EUGENE WHITTENBERG, B. S., M. S., *University of Illinois***
The Firestone Tire and Rubber Company

†Resigned August 1, 1928.

THE UNIVERSITY OF AKRON

FELLOWS IN EDUCATION

- GAYNELLE L. HANNA, A. B., *Mount Union College* 160 South College Street
 MILDRED ALMIRA HOFFMAN, A. B., *The University of Akron, 1927; Cleveland Art School, 1927-28.* 666 North Howard Street
 MRS. EDNA TEST, A. B., *Earlham College* 183 East Wilbeth Road

ASSISTANTS

- PRESTON BARRETT BERGIN, *Student Assistant in Bureau of City Tests, Summer of 1928* 312 Locust Street
 R. P. LANGER, *Assistant in Department of Physical Education* 433 East Buchtel Avenue
 **NELLIE MILLER LEISY, *Assistant in Department of Co-ordination of the College of Engineering and Commerce* 1432 Oakwood Avenue
 A. B., *The University of Akron, 1925.*
 CHARLES LEWIN, *Assistant in Bureau of City Tests* 19 North 10th Street, Kenmore Station
 CATHERINE SCOTT, *Assistant in Chemical Laboratory*
 B. S., *Ohio State University.* Greentown, Ohio

PUBLIC SCHOOL OFFICERS AND TEACHERS
CO-OPERATING WITH TEACHERS COLLEGE

THOMAS W. GOSLING, PH. D. *Superintendent of Schools*

CRITIC TEACHERS

CLARA BARKER *Crouse School*
 RUTH J. BRADLEY, B. E. *Garfield High School*
 LANORE EMERICK *East High School*
 HELEN FRENCH, A. B. *West High School*
 MRS. MARGARET F. FLOWERS *Howe School*
 A. J. GERBER, M. A. *West High School*
 CLARA GOSS *Harris School*
 ALICE GREEN, M. A. EDUC. *East High School*
 MRS. MARIAN P. HARDING *Robinson School*
 HILDEGARD HEIN, B. E. *Harris School*
 H. M. HORST, PH. B. *West High School*
 BESSIE HOUSEHOLDER, B. E. *Lincoln School*
 ROBERTA HUBER *Portage Path School*
 GEORGE B. KIRK *Garfield High School*
 VESTA M. LEIGHT *Glover School*
 WILLIAM LOEBER *South High School*
 F. EARLE MOCK *East High School*
 VELMA POMEROY, B. E. *Findley School*
 GLADYS PARSHALL, A. B. *Central High School*
 ANN RAYNOW, B. E. *Glover School*

**Second semester, 1928-29.

MRS. GRACE RICHARDSON, A. B. _____ *Central High School*
 L. D. RICKER, B. E. _____ *East High School*
 MRS. ELSA SHAFFER, B. E. _____ *Central High School*
 MARY L. VAUGHN _____ *Portage Path School*
 NORMA WILLIAMS, M. A. EDUC. _____ *West High School*

VOCATIONAL EDUCATION

E. HARVEY HUMMEL _____ *Hower Trade School*
 HORACE M. JELLISON, B. E. _____ *Hower Trade School*
 ARTHUR P. NEWMAN _____ *Hower Trade School*

OTHER PART-TIME INSTRUCTORS AND LECTURERS

1928 SUMMER SESSION (not on the regular Day Session staff).

E. D. BATES, A. M., *Instructor in Education* Principal of Fraunfelter School
 CHARLES E. BRYANT, A. B., *Instructor in Education* Principal of South High School
 RENA NANCY CABLE, B. E., *Instructor in Art* 473 East Buchtel Avenue
 J. C. CHENOT, A. M., *Instructor in Education* Central High School
 FRANK H. CLOSE, PH. B., *Instructor in Education* Superintendent of Schools, Wadsworth, Ohio
 CHARLES W. COOKSON, A. M., *Instructor in Education* Superintendent of Schools, Urbana, Ohio
 PRISCILLA DACKERMAN, *Instructor in Music* Director of Music, West High School
 ALBERT J. DILLEHAY, B. E., *Instructor in Education* Principal of Robinson School
 RUSSELL H. ERWINE, A. M., *Instructor in Education* Assistant Superintendent of Akron Schools
 C. A. FLICKINGER, *Instructor in Education* Superintendent of Summit County Schools
 JOHN W. FLOOD, B. S., *Instructor in Education* Principal of West High School
 EUNICE A. GRUBER, *Instructor in Primary Methods* Instructor, Canton Public Schools
 M. M. PROFFITT, A. M., *Instructor in Education* Specialist in Industrial Education, U. S. Bureau of Education

TRAINING SCHOOL STAFF

O. C. HATTON, A. M., *Principal East High School*
 ESTHER BURRELL, A. M., *Instructor, Akron Public Schools*
 RUSSELL L. FOUSE, A. M., *Instructor, Akron Public Schools*
 MARIAN PALMER HARDING, A. B., *Instructor, Akron Public Schools*
 A. D. LADD, PH. B., *Principal of Garfield High School*

EVENING SESSION, 1928-29 (not on the regular Day Session staff).

- H. E. AMMERMAN, *Instructor in Salesmanship***
A. B., Franklin and Marshall College. 513 Vineta Avenue
- CLARA BARKER, *Instructor in Elements of Art***
800 Roslyn Avenue
- RENA NANCY CABLE, *Instructor in Art***
B. E., The University of Akron, 1928. 473 East Buchtel Avenue
- J. C. CHENOT, *Instructor in Education***
A. M. 49 Beck Avenue
- PRISCILLA DACKERMAN, *Instructor in History and Appreciation of Music***
Diploma in Music, Ohio Wesleyan and Cornell Universities. 715 West Market Street
- R. H. ERWINE, *Instructor in Education***
A. M., Assistant Superintendent of Schools. 863 Bloomfield Avenue
- C. W. HALL, *Instructor in Real Estate***
M. A., Yale University. 573 Glendora Avenue
- M. E. HAWK, *Instructor in Principles of Guidance***
M. S., Ohio Northern; M. E., Harvard University. 2575 Paxton Avenue
- W. O. HOLLISTER, *Instructor in Purchasing***
B. S., Connecticut Agricultural College. Kent, Ohio
- CHARLES KING, *Instructor in Building and Loan Associations***
Massillon, Ohio
- NAT LEWERS, *Instructor in Advertising***
1203 Lexington Avenue
- O. J. MARSH, *Instructor in Accounting***
A. B., Harvard University, 1922. Cleveland, Ohio
- MARGARET MEANS, *Instructor in Social Case Work***
B. A., Wellesley College. 421 Woodland Avenue
- R. E. SIMMONS, *Instructor in Cost Accounting***
B. S., University of Illinois; M. S. in Accounting, 1927; C. P. A. in Illinois.
- J. J. SPEARMAN, *Instructor in Investments***
B. S., Grove City College; 1914; M. B. A., Harvard, 1916. 496 Roslyn Avenue
- ROY SWARTZLANDER, *Instructor in Income Tax***
910 Bye Street
- LEWIS C. TURNER, *Instructor in Business Speaking***
A. B., Hiram College. 795 Roslyn Avenue
- IRA B. WALTZ, *Instructor in Accounting***
316 Torrey Street

COMMITTEES OF THE GENERAL FACULTY
1928-29

EXECUTIVE

ZOOK, O. E. OLIN, SPANTON, AYER, SIMMONS, BANKES, WEEKS (Secretary)

ADMISSIONS

SCHMIDT, SPANTON, AYER, BANKES, STIMMEL, GARDNER

CLASSIFICATION

Buchtel College of Liberal Arts: CHARLES BULGER AND HEADS OF DEPARTMENTS

College of Engineering and Commerce: CHARLES BULGER, AYER, MCJOYNT AND
DEPARTMENT HEADS

Curtis School of Home Economics: CHARLES BULGER, STIMMEL, LATHROP

Teachers College: CHARLES BULGER, BANKES AND ALL MEMBERS OF THE TEACHERS
COLLEGE FACULTY

Evening Session: HOLMES, BANKES, HAYES, KUHNES AND HEADS OF DEPARTMENTS
IN THE LIBERAL ARTS COLLEGE AND THE COLLEGE OF ENGINEERING
AND COMMERCE

PUBLIC SPEAKING

HAYWORTH, MCEBRIGHT, SNYDER, KING, GOODELL

SOCIAL

THOMPSON, GREGORIE, REED, GILMOUR, KOTZ, MITCHELL, MRS. LEIGH

HOLIDAY OBSERVANCE

BRODERICK, DELEONE, BARNHARDT, DUNCKLEY, MARSH, LIPPS, BLAIR, LATHROP,
AND CLASS ADVISERS

ATHLETICS

AYER, C. R. OLIN, SEFTON, BLAIR, HAZLETT

STUDENT AFFAIRS

(Council, Elections, Advisers, etc.)

SIMMONS, ROGERS, HAYES, GRIFFIN, SLAGG, MCJOYNT

UNIVERSITY ADVERTISING

SIMMONS, GARDNER, VANCE

UNIVERSITY PRODUCTIONS

SPANTON, DELEONE, HAYWORTH, BARNHARDT, GARDNER, GOODELL

LIBRARY

PEASE, CUSHMAN, KRAATZ, LEIGH, KUHNES, J. BULGER

THE UNIVERSITY OF AKRON

SCHOLARSHIP AND HONORS

ROCKWELL, KUHNES, HAWTHORN, JONES, DURST, ROLLEFSON

COMMUNITY LECTURES

HOLMES, SIMMONS, HAYES, WALTHER, WOOD, KING

UNIVERSITY ASSEMBLY

HAYWORTH, AYER, DELEONE, H. A. SMITH, PAUL SMITH, ROBERTS

EXAMINATIONS

HAYES, DAVIS, O. E. OLIN, PEASE, STIMMEL, COOK, UPP, STEADMAN
AND HAWTHORN

FACULTY REPRESENTATIVES FOR UNIVERSITY ACTIVITIES

FRESHMAN CLASS	CRECRAFT
SOPHOMORE CLASS	SCHMIDT
JUNIOR CLASS	SIMMONS
SENIOR CLASS	HOUSEHOLDER
PANHELLENIC ADVISER	MISS MITCHELL
INTERFRATERNITY COUNCIL	GARDNER
WOMEN'S LEAGUE AND ROOMS	MISS ROGERS
MUSIC	DELEONE
UNIVERSITY PUBLICATIONS	VANCE

THE UNIVERSITY OF AKRON

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

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

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

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

The University of Akron, being supported in large part by public taxation, is entirely non-sectarian. The City of Akron has, however, agreed to carry out all provisions made by donors of funds to Buchtel College. Such funds were given in most cases to establish professorships and scholarships in the College of Liberal Arts.

DEPARTMENTS, EQUIPMENT AND STANDARDS

BUCHTEL COLLEGE OF LIBERAL ARTS

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

THE COLLEGE OF ENGINEERING AND COMMERCE

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

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

THE CURTIS SCHOOL OF HOME ECONOMICS

A four-year course is offered leading to the degree of Bachelor of Science in Home Economics. Especial attention is given to preparation for teaching and other vocations.

TEACHERS COLLEGE

Teachers College was organized in 1921 in co-operation with the Akron Board of Education. The work is specifically organized for the preparation and training of teachers for the Akron Public School System, the professional improvement of teachers already in the service, and the study of educational problems.

THE EVENING SESSION

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

Besides offering the prescribed subjects leading to a degree, the various colleges have developed certificate courses which require approximately thirty-six hours of college work. The following certificate courses are offered:

BUCHTEL COLLEGE OF LIBERAL ARTS: Writers Course.

CURTIS SCHOOL OF HOME ECONOMICS: Homemakers Course.

COLLEGE OF ENGINEERING AND COMMERCE: Municipal Engineering, Industrial Electricity, Machine Design and Power, Industrial Production, Management, Accounting, Association Courses in Advertising, Real Estate, Purchasing, Building and Loan, and a Secretarial Course.

THE TEACHERS COLLEGE: Applied Art, Art Appreciation, Planned Study leading to Certification by the State Department of Education.

THE SUMMER SESSION

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

BIERCE LIBRARY

The University Library had its origin in a collection donated in 1874 by the late General L. V. Bierce and, during the early days of Buchtel College, the library was augmented by purchases from the proceeds of a bequest received from General Bierce's estate. In recognition of this gift, the library has been called Bierce Library. It occupies all of the main floor and a portion of the basement of Carl F. Kolbe Hall.

The Library contains about 28,300 cataloged volumes, about 12,191 pamphlets and about 5,000 mounted pictures in addition to several hundred volumes of miscellaneous books and public documents as yet uncataloged; also a considerable number of paper bound serials and pamphlets as yet uncounted. Departmental libraries are maintained in Olin Hall for both the Biology and Physics Departments, and in the Engineering Building for the Departments of Engineering and Commerce.

The resources of Bierce Library are open to citizens, and the students of the University are privileged also to use the Akron Public Library.

COMBINATION COURSES

To those who wish to enter the learned professions such as law or medicine, the College of Liberal Arts offers opportunities of combination with the various professional schools of the country. By means of such combination courses a student may receive both the Arts and the professional degree, at the same time shortening by one year the period otherwise necessary.

EQUIPMENT

At the time of the foundation of Buchtel College in 1870 a plot of six acres of ground was purchased at the outskirts of the village of Akron on a hill overlooking the valley. The growth of the city has included this site, so that now the University campus lies at the head of College Street, only a short distance from the business center of the city.

In 1899 the old main building was destroyed by fire and in 1901 Buchtel Hall was completed as the first of a modern group of college buildings. From earlier times there already existed on the campus Crouse Gymnasium and the President's residence, now used for a recitation and office building and known as Phillips Hall. Since the completion of Buchtel Hall there have been constructed Olin Hall, occupied by the departments of biology and physics; the central heating plant; Curtis Cottage, used as the home of the School of Home Economics; the Knight Chemical Laboratory, toward the construction of which Andrew Carnegie gave \$25,000; the Carl F. Kolbe Hall, the gift of Mr. F. A. Seiberling and Mr. F. H. Mason; and the engineering building.

STANDARDS

The University of Akron maintains in all its departments courses of standard grade and is in every sense a standard American college, as is evidenced by its membership in such standardizing organizations as the Ohio College Association, the North Central Association of Colleges and Secondary Schools, and the American Council on Education. It is included in the approved list of the Association of American Universities for recommendation of the bachelor's degree to foreign universities, and is approved for pre-medical work by the American Medical Association. Its women graduates are eligible to membership in the American Association of University Women.

ADMISSION

METHODS OF ADMISSION

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

ENTRANCE REQUIREMENTS

The requirement for unconditional entrance to any department of the University is 15 units, not less than 12 of which must be from the following subjects: English, Mathematics, Foreign Language, Science, History, Civics, Economics and Sociology. A unit is a full year's work in a subject, with four 1-hour or five 45-minute recitation periods a week.

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

SCHOLARSHIP REQUIREMENTS

The following rule on scholarship requirements for all applicants for the Freshman class has been adopted by the faculty:

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

TIME OF REGISTRATION AND CLASSIFICATION

Registration and classification of Freshman students in all departments will begin on August 12 and will be continuous until Monday, September 9, at 12 o'clock, noon. The student must present himself in person for conference with the Chairman of the Admissions Committee and, if his high school record is satisfactory, he may make out his program of studies.

FRESHMAN WEEK

The University of Akron in 1926 adopted a plan to aid the Freshman in adjusting himself to university life. The week preceding the opening of the regular sessions is devoted to a program consisting of a general

assembly, tests, physical examination, lectures, payment of fees, and concluding with a mass meeting and entertainment. At the time of registration each student is assigned to a section and with the guidance of an adviser carries out the schedule as outlined by the Director of Freshman Week.

For the first semester, 1929-30, all entering Freshmen are required to report at 1 p. m. on Monday, September 9, and attend all sessions of the week, Monday to Thursday inclusive.

For the second semester, only one day, Tuesday, February 4, 1930, will be devoted to a Freshman program.

Students transferring from any college to Teachers College are required to take the psychological tests given during Freshman Week.

Registration will be limited by classes and subjects, i. e., no student will be received in any class or subject beyond the number for which the University has adequate room and teaching force. Students who delay registration and classification are warned that it may be impossible to assign them to the subjects desired, or that it may be necessary for them to enter classes in the Evening Session. A deposit of \$5 is required at the time of registration. This sum will be applied on fees at entrance.

REGISTRATION DAYS

The registration days for upper classmen for 1929-30 are:

Day Session in all departments of the University, September 13 and 14; Friday, 8:30 a. m.-5:00 p. m., and Saturday until noon for the first semester. A late registration fee will be charged after these dates. For the second semester, January 13 to 17 inclusive, with final registration and classification on February 3 and 4.

Evening Session, September 26, 27 and 28, 9 a. m. to 9 p. m. for the first semester; February 6, 7 and 8, 9 a. m. to 9 p. m. for the second semester.

ADMISSION FROM OTHER COLLEGES

Students from other colleges of recognized standing may be admitted to advanced standing on presentation of a certificate of work done and a statement of honorable dismissal. A degree will not be granted a student entering with advanced standing from another college unless he spends a full year in residence and completes 32 credit hours of work. Except in Buchtel College three-fourths of this must be professional work done in the college granting the degree.

Applications of students transferring from other institutions will not be considered until the Registrar of the University has received a transcript of record and certificate of honorable dismissal. No student shall be received on transfer from another college or university who does not meet the scholastic requirements of the University, or who is ineligible to re-enter the institution from which he desires to transfer.

SPECIAL STUDENTS

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

IRREGULAR STUDENTS

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

SUBJECTS REQUIRED FOR ADMISSION

For the subjects, required or elective, for admission to the several colleges of the University, see the entrance requirements of these colleges in General Catalog or respective bulletins.

SUBJECTS ACCEPTED FOR ADMISSION

The subjects from which choice may be made, and the number of units which will be accepted in each subject, are as follows:

English	3	or 4	units
History, Social Sciences and Civics (not more than 4 units in all)			
Adv. U. S. History	$\frac{1}{2}$	or 1	unit
English History	$\frac{1}{2}$	or 1	unit
General History	1		unit
Ancient History	1		unit
Med. and Mod. History.....	1		unit
Civics		$\frac{1}{2}$	unit
Political Economy		$\frac{1}{2}$	unit
Languages, Foreign (not more than 6 units in all)			
French	1	to 4	units
German	1	to 4	units
Greek	1	or 2	units
Latin	1	to 4	units
Spanish	1	or 2	units
Mathematics (2 to 4 units)			
Algebra	1	to 2	units
Geometry, Plane	1		unit
Geometry, Solid		$\frac{1}{2}$	unit
Trigonometry		$\frac{1}{2}$	unit
Science (not more than 4 units in all)			
Botany	$\frac{1}{2}$	or 1	unit
Chemistry	1		unit
General Science	1		unit
Physics	1		unit
Physiography	$\frac{1}{2}$	or 1	unit
Physiology		$\frac{1}{2}$	unit
Zoology	$\frac{1}{2}$	or 1	unit
Vocational Subjects (not more than 3 units in all)			
Agriculture	$\frac{1}{2}$	or 1	unit
Art	1	to 3	units
Commercial Subjects	1	to 3	units
Domestic Science	1	to 3	units
Manual Arts	1	to 3	units
Music	1	to 3	units

ENTRANCE AT MID-YEAR

Students graduating from high school at mid-year may enter any classes in first year work not already filled to capacity, subject to scholarship requirements already stated.

One day, Tuesday of the first week of the semester, is devoted to a Freshman orientation program. All entering Freshmen are required to attend all sessions.

At the beginning of the following fall the student will be assigned to the regular freshman work of one of the courses and can pursue his studies without irregularity.

PSYCHOLOGICAL TESTS

Psychological tests are given to new students at the beginning of each semester to aid in determining the amount of work students should be permitted to carry, in advising the amount of outside work students may undertake, in deciding the dismissal or suspension of students, in considering the reinstatement of suspended students, in appointing student assistants, in determining admission to certain advanced courses, and in sectioning classes.

All new students including specials are required to take the psychological tests unless excused by the Dean of the college in which they are enrolled.

All seniors are given opportunity to take psychological tests during the week of their final examinations with the understanding that each senior who takes these tests will be given a complete statement of grades made in all psychological tests taken during his college course.

EMPLOYMENT AND LIVING CONDITIONS

THE BUREAU OF STUDENT EMPLOYMENT

This bureau is established for the purpose of aiding self-supporting students in finding part-time work during the school year. Its organization is directed by the University and its services are free to all students.

SELF HELP

A large proportion of the men of the institution are self-supporting. Akron offers a great variety of work for men students. The University maintains a Bureau of Student Employment which helps new students in getting work for odd hours, evenings and on Saturdays. The demand for such student aid on the part of Akron citizens is usually larger than the University can supply.

No student, however, should enter without sufficient money for payment of term bills and for living expenses for several months, since too much outside work often seriously hampers the beginning of a college course.

The opportunity for women in the matter of self help is more limited. It consists largely of work during certain hours of the day in private families in return for board and room, clerking, and, to a limited extent, work in offices or libraries.

The University offers a number of student assistantships in various departments to upper classmen. Such positions pay thirty-five cents per hour for time spent. All inquiries regarding self help for men and women should be addressed to Dean D. H. Gardner.

LIVING CONDITIONS

The University maintains no dormitories, but lists of rooms for men may be found at the office of the Dean of Men. All women attending the University are under direct charge of the Dean of Women. No non-resident woman is allowed to select a rooming place not on the approved list of the Dean of Women. Non-resident women intending to enter the University should write beforehand to the Registrar, who will gladly assist them in obtaining suitable living quarters.

Board may be secured in private families (often in connection with room), in boarding houses near by or at the Y. M. C. A. and Y. W. C. A.

A cafeteria luncheon is served in Curtis Cottage at noon (except Saturday) during the college year.

FEES AND EXPENSES

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

SUMMARY STATEMENT

- (A) *Tuition* is free to citizens of Akron.
Tuition charges for those not citizens of Akron are shown on page 31.
- (B) *A Maintenance Fee* is paid by all students. The amount of the fee depends upon the number of credit hours taken. See page 31.
- (C) *Laboratory Fees and Breakage Deposits* are charged in some courses, to cover the materials used. See page 32.
- (D) *Student Activity Fee* is charged students taking eight credit hours or more. It includes student athletic ticket. See page 32.
- (E) *Graduation Fee*, in connection with Bachelor's degree and Master's degree. See page 31.
- (F) *Other Small Fees*. See page 33.
- (G) *Refunds*. See page 33.

TUITION

Rules adopted January 12, 1926:

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 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 a certificate from the County Auditor or Treasurer, stating the amount so paid.

TUITION FEES

Payable only by students who are not citizens of Akron:

College of Engineering ~~and Commerce~~, co-operative students: *Per Semester*
~~First and second semesters, each~~ \$60.00
~~Summer Session~~ ~~25.00~~

College of Liberal Arts, School of Home Economics, Teachers College, and full-time students in the college of Engineering and Commerce, per semester:
 For 8 hours or more \$90.00
 For less than 8 hours, per hour 10.00
 Summer Session Free

Evening Session:
 If the major part of a student's work is in the Evening Session, tuition is free.

MAINTENANCE FEE

Payable by all students in all schools and evening session.
 Summer Session, per semester hour (Teachers College) \$ 5.00

All other schools of the University:
 For 1 or 2 credit hours 10.00
 For 3 credit hours 15.00
 For 4 credit hours 20.00
 For 5 credit hours 25.00
 For 6 credit hours or more 30.00

Evening Session, Institute Lectures:
 For a two evening course 2.00
 For more than a two evening course, in addition to the \$2.00, 50c per evening.

GRADUATION FEE

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

STUDENT ACTIVITIES FEE

Payable by all students taking 8 credit hours or more, excepting those the major part of whose work is in the Evening Session.

First semester (including a student athletic ticket for the entire school year)	\$ 9.00
Second semester, to students in school the preceding semester.....	6.00
Second semester, to new entrants (including student athletic ticket)	8.50
Summer Session (Teachers College).....	2.00

LABORATORY FEES

All laboratory fees are payable strictly in advance before entering classes.

Bacteriology 19, 20	\$ 7.50
*Bacteriology, deposit for breakage	5.00
Biology, 3, 4, per semester, each	7.50
Biology 1, 2, 6, per semester, each	4.00
Biology 23, 24, per semester hour, each	1.00
Botany, 31, 32,	4.00
Concrete Laboratory C. E. 24, per semester.....	2.00
Chemistry 1, 2, per semester, each	12.00
Chemistry 3, 4, 5, 6, 7, 8, 9, 10, each	15.00
Chemistry 31, Engineering	12.00
Chemistry 13, 14	13.00
Chemistry 15, 16	20.00
*Deposit for breakage (all laboratory courses in Engineering) except Chemistry	5.00
Dietetics, per semester	7.50
Educational Measurements	2.00
Electrical Laboratory E. E. 7, 8, 10, 13, 14, 22, 61, 62 per semester, each	3.00
Foods, per semester	7.00
Foods, per semester (evening session).....	3.75
Housewives Class, per semester.....	4.00
Materials Laboratory, C. E. 18	2.00
Mechanical Laboratory, M. E. 24, M. E. 61, 62, per semester, each.....	3.00
Metallurgy 32, per semester.....	5.00
Physics 1, 2, 3, per semester, each	4.00
Physics 4, 5, 6, 7, and 10, per semester, each.....	4.00
Physics 51, 52, 53, 54, 55, 56, per semester, each	2.00
Railroads C. E. 20.....	1.00
Research problems (Teachers College), per semester.....	5.00
†R. O. T. C. deposit for uniform (advance course).....	10.00
Surveying C. E. 1, per semester.....	3.00
Surveying C. E. 4, per semester.....	2.00
Table and Meal Service, per semester.....	6.00
Thesis, Teachers College	10.00
Tests and Measurements 6, 103, per semester, each.....	2.00

MUSIC

Scholarships, per semester.....	\$20.00
Piano practice, per semester	5.00
Private lessons, Voice, 10 lessons.....	30.00
Private lessons, Piano, 10 lessons.....	30.00
Private lessons, Violin, 10 lessons.....	25.00

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

†This deposit is returned only to students who complete a full year's work.

MISCELLANEOUS FEES

A fee of \$1 will be charged students who have not completed registration, classification and payment of fees before the class work of the school in which they are registered begins.

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

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

A fee of \$1 per subject with a maximum of \$5 will be charged for entrance examinations taken on days other than those specified, and a fee of \$5 will be charged for each examination in college work not taken in course.

All students, both resident and non-resident, are required to pay a maintenance fee covering registration and incidentals. An advance deposit of \$5 on the maintenance fee is required of all new students at the time of registering. This fee will be applied on fees at entrance.

All students taking a total of eight semester hours or more in one or more schools of the University are required to pay the student activities fee.

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

REFUNDS

Tuition and fees are not returnable, except for withdrawal on account of sickness, when doctor's certificate may be required, or other cause entirely beyond the control of the student.

No refunds will be made of late registration fees, transfer fees, examination fees, nor advance deposit if student is eligible to enter University.

To be entitled to refund, certain statements are required which may be learned at the Secretary's office.

Fees paid for evening courses offered but not given will be refunded.

Advance deposit will be refunded if student is not eligible to enter the University.

When students are entitled to other refunds, the University will retain a proportion and return to the student the balance paid, as stated below:

<i>Time of Withdrawal</i>	<i>Amount Retained by University</i>
Before entering classes.....	\$2.50 of evening session fees or \$5.00 of day session fees.
During 1st or 2nd weeks,.....	20% of semester charge.
During 3rd or 4th weeks,.....	40% of semester charge.
During 5th or 6th weeks,.....	60% of semester charge.
During 7th or 8th weeks,.....	80% of semester charge.
After 8th week,	Full amount paid.

FUNDS, PRIZES, SCHOLARSHIPS AND HONORS

THE KATHERINE CLAYPOLE LOAN FUND

This fund has been established by a number of women's organizations of the city and dedicated as a memorial to Mrs. Katherine Claypole, wife of Dr. E. W. Claypole, former Professor of Natural Science at Buchtel College. Mrs. Claypole was the founder of organized women's work in Akron and always manifested a deep interest in the young people of the College.

The principal of the fund is loaned to students "who in mid-term, as often happens, find themselves without sufficient means to complete the year's work." Application should be addressed to Mrs. E. F. Voris, Treasurer, 369 East Buchtel Avenue.

THE ASHTON PRIZES

A fund consisting of \$3,000 was established by the late Oliver C. Ashton, endowing the O. C. Ashton Prizes for excellence in reading and recitation.

The annual income of this fund is paid, one-third to competitors from the senior class, one-third to competitors from the junior class, and one-third to competitors from the sophomore class, in a first and second prize to each class, in proportion of two to one.

These are public exercises, and will take place at stated times during the year.

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 in the University of Akron who has completed the regular four-year course with the highest average grade. Only students who have taken their entire course in the University of Akron are eligible.

THE TOMLINSON PRIZES

Through the kindness of Rev. Irving C. Tomlinson, Class of '80, of Boston, Mass., two prizes of \$30 and \$20 respectively will be offered each year to those two students of the University who present the best papers on a subject related to the work of the University of Akron. The subject is to be treated with especial reference to broadening the field and increasing the usefulness of the University, to its true character as a municipal university, and to its value, and need by the city.

THE ELIZABETH A. THOMPSON CUP

The Elizabeth A. Thompson Cup, named in honor of the Dean of Women, is a silver cup to be awarded each September to that Akron high school whose graduates attending the University of Akron made the best record in literary attainments during the preceding college year. It will become the permanent property of the first school which wins it three times. This cup was donated in 1925 by Mrs. Irving C. Tomlinson of Boston, Mass. The winner of the cup for 1924-25 was North High School; for 1925-26, Central High; for 1926-27, West High; for 1927-28, Central High.

THE JOHN R. BUCHTEL CUP

The John R. Buchtel Cup, donated in 1925 by Reverend Irving C. Tomlinson, class of '80, is a silver cup awarded annually to that high school whose graduates, during the preceding year, have made the best athletic record at the University of Akron, the cup to become the permanent property of the school which wins it three times. This cup was awarded for 1925-26 and again for 1926-27 to East High School; for 1927-28 to North High.

THE LOOMIS CUP

In 1916 Mr. James P. Loomis of Akron donated a silver cup to be held annually by that high school in Akron whose graduates during the preceding year had made the best scholastic record at the University. By the terms of the gift, the cup became the permanent property of the school which first won it three times. Later Mr. Loomis donated a second, and a third cup has been donated by Mrs. Loomis. Contests are now being held for it. The winners of all contests are as follows:

The First Loomis Cup: 1915-16, West High School; 1916-17 South High School; 1917-18, South High School; 1918-19, won permanently by South High School.

The Second Loomis Cup: 1919-20, West High School; 1920-21, South High School; 1921-22, West High School; 1922-23, South High School; 1923-24, North High School; 1924-25, won permanently by South High School.

The Third Loomis Cup: 1925-26, Central High School; 1926-27, North High School; 1927-28, Garfield High School.

SCHOLARSHIP LOAN FUNDS

The Akron College Club maintains a loan fund known as the Elizabeth A. Thompson Scholarship Fund, amounting to \$300 a year. Loans are made to deserving women students of the University.

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

RHODES SCHOLARSHIPS

Men who have completed their sophomore year in Buchtel College are eligible to compete for the Cecil Rhodes Scholarships, tenable for three years at Oxford University, England, with a stipend of \$2,000 each year. These scholarships are awarded on the combined basis of character, scholarship, athletics, and leadership in extra-curricular activities. Further information may be obtained from Dean A. I. Spanton of the College of Liberal Arts.

FELLOWSHIPS IN RUBBER CHEMISTRY

Two fellowships have been established in the Department of Chemistry, one by The Goodyear Tire & Rubber Company and one by The Firestone Tire & Rubber Company, for the study of the chemistry of india rubber. These fellowships are open to graduates of standard American colleges and are of the value of \$1,000 per year each, with remission of all University fees. A third fellowship by The B. F. Goodrich Rubber Company will become available in September, 1929.

FELLOWSHIPS IN TEACHERS COLLEGE

To encourage graduate study, three teaching fellowships have been established. Each fellowship remits the regular tuition fee and pays the students who may receive such appointment \$320 in ten equal monthly payments. The maintenance fee is not remitted. Each student appointed will be required to teach one class each semester. Anyone interested in a fellowship appointment should apply to Dean W. J. Bankes of the Teachers College.

PHI SIGMA ALPHA

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

1. Only such courses as are taken in the Liberal Arts College or such courses as are regularly accredited in that college may be counted for standing in the fraternity.
2. A minimum of 112 hours for three and one-half years for those completing the regular four-year course, or of 80 hours for two and one-half years for students who have spent one year at another institution, are required.
3. Only scholarship hours are counted—not hours made for good attendance.
4. All seniors who have maintained an average grade of not less than 90% during their three and one-half years are eligible for membership, provided that at least two and one-half years have been taken in Buchtel College of Liberal Arts.
5. Beginning at mid-year, 1927 and thereafter, all juniors who have completed two and one-half years of work in Buchtel College of Liberal Arts with an average grade not less than 92% shall be eligible for membership.
6. Those seniors who may have entered the institution at mid-year as freshmen and who have remained three years in Buchtel College are also eligible, the required number of scholarship hours being 96.
7. Average scholarship is reckoned as a whole, not specialization.

THETA PHI

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

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

PHI CHAPTER OF SIGMA TAU

Sigma Tau is a national honorary engineering fraternity. It was established at the University of Akron in December, 1924, the charter being granted to the local honorary fraternity of O. H. M. founded in 1919. Sigma Tau elects its men on the basis of scholarship and personality. Not more than four men are elected to membership from the upper third of each junior class. The aim of the fraternity is to improve scholarship, foster a better spirit among the engineering students and help members to become better citizens.

SIGMA PI EPSILON

Sigma Pi Epsilon is an honorary fraternity, founded for the purpose of promoting scholarship, citizenship and artisanship among the students of the Teachers College. Candidates must earn an average grade of 89% during the three and a half years in Teachers College, and their rank must place them in the upper 15 per cent of the graduating class. Six semesters' work must be in Teachers College. The citizenship record is determined by a vote of the faculty of Teachers College, and the artisanship record by the student's practice teaching.

DELTA SIGMA PHI

Delta Sigma Phi is an honorary fraternity whose object is to promote scholarship, to create new interest in Curtis School of Home Economics, and to promote higher ideals in living among the women graduating from the University of Akron. Students who have completed their sophomore year with an average grade of 85% are eligible.

DEGREES

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

HONORS COURSES

As a special opportunity for the exceptional student, the faculty has established what is known as Honors Courses. Students eligible to apply for these courses are chosen by the faculty council each year from the list of the juniors and seniors in accordance with their records in the Registrar's office. Such students are notified to this effect and may then, if they so desire, apply for the privilege of working in Honors Courses. From these candidates the faculty council selects a definite number of those deemed best fitted to take advantage of this opportunity. For the present the number must not exceed six.

The privilege of being eligible to Honors Courses consists in the fact that to such a student the limitation of the number of term hours does not apply, but he may elect as he and the committee may choose. Attendance of students so chosen is optional at any and all lectures and recitations.

The head of each department personally or by deputy supervises such work elected in his department. For each student in Honors Courses individual final examinations are held which consist of an oral examination before the entire committee in charge of such courses, a written examination within the major department, and a thesis which takes the form of a comprehensive study on work done.

The faculty committee in charge of Honors Courses is composed of the heads of departments in which Honors students elect majors. It consists of at least three members, the chairman being the faculty member appointed as director of Honors Courses. All Honors students meet with this committee once every two weeks in seminar.

At the close of each semester a student may for unsatisfactory work or for misconduct be deprived of Honors privileges and reduced to the rank of regular student. The faculty council may then choose another student to fill the place of one so demitted.

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."

REQUIRED FOR DEGREE—128 semester hours, except in the co-operative courses of the College of Engineering and Commerce; 270 hours on the co-operative basis are required for the degree of Civil, Electrical or Mechanical Engineer.

Candidates for a degree are required to file an application with the Registrar by October 15 of their senior year preceding graduation.

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

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

GRADING SYSTEM

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

"Conditioned" means that although the semester's work is not of passing grade the deficiency may be made up without repeating the course in class. Failure to remove the deficiency satisfactorily by the close of the student's next semester in the University shall convert the grade to F. No higher grade than "D" shall be 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 6 weeks of the student's next semester in the University shall convert the grade to F.

QUALITY REQUIREMENT

The student must present for graduation quality points equal in number to 1.1 times the total number of semester hours passed as shown on his record in the Registrar's office. Quality points are given as follows:

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

RULES REGARDING FAILURE

FIRST YEAR STUDENTS

Any first year student failing to receive credit for at least 8 semester hours (not including sub-freshman courses) with a grade other than E or F at the end of any semester, shall become a probationary student.

Any first year student failing to receive credit for at least 11 semester hours (not including sub-freshman courses) with a grade other than E or F at the end of the first semester, shall become a probationary student at the end of the second semester unless he receives credit for at least 11 semester hours with a grade other than E or F for that semester.

UPPER CLASSMEN

Any student who has been in attendance at the University of Akron or at any other college or university for one year or more, who fails, at the end of any semester, to receive credit for 11 semester hours with a grade other than E or F, shall become a probationary student.

PROBATIONARY STUDENTS

A probationary student shall be required to take a definite program of studies, from 8 to 16 hours, the exact number of hours depending upon his rating in his psychological test on entering the University. He must pass in all the work taken or be dropped from the University. He shall continue to be a probationary student until he passes all his work in a semester with the grade of C or higher.

PHYSICAL AND MILITARY TRAINING

PHYSICAL EDUCATION

PROF. FRED S. SEFTON, *Director*; ASSISTANT PROFESSOR BLAIR, MR. SMITH,
MR. LIPPS, MISS DUNCKLEY, DR. HOTTENSTEIN

AIMS

Physical education is conducted under the direct supervision of experienced physical directors, who are members of the University faculty. The aims of the department are to develop organic power, the basis of vitality, the prerequisite to physical and mental efficiency, and to secure and maintain good posture, a harmonious muscular development, and a certain degree of bodily skill and grace.

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

During the fall and spring months there are outdoor exercises and games at Buchtel Field. During the winter months the time is devoted to boxing, wrestling, basketball, apparatus work, wand, dumbbell and swinging club drills.

These exercises are designed to bring about the erect carriage of the body, the development and strengthening of the muscular, circulatory and respiratory systems, and the maintenance of general good health and bodily vigor.

TRAINING COURSE

A course for training teachers in physical education and for preparation for coaching is given in conjunction with Teachers College. For details see statement under Teachers College section in the General Catalog or Bulletin of Teachers College.

EQUIPMENT

The gymnasium is 100 feet long and 50 feet wide. On the ground floor are locker and bath rooms. Above is the practice floor where exercises are conducted. Directly over the practice floor is the running track. The main floor of the gymnasium is 80 feet by 50 feet and is equipped with modern gymnastic apparatus.

A six-acre athletic field is provided for the use of the students, and all intercollegiate and other contests are held there. The field is equipped

with a grandstand which accommodates 8,000 spectators, dressing rooms, cinder running track, baseball diamond, and football field.

INTERCOLLEGIATE SPORTS

Intercollegiate sports are under the government of the Ohio Athletic Conference, the faculty committee appointed by the president, and a Board of Control consisting of members from the faculty and representatives of the student body elected by the students.

PHYSICAL TRAINING FOR MEN

Every student is required to take a physical examination on entering the University. All freshman and sophomore men are required to take two hours of physical training each week as a part of the combined course in military and physical training.

PHYSICAL TRAINING FOR WOMEN

All freshman women are required to take two hours of physical training each week.

THE UNIVERSITY HEALTH SERVICE

To provide for the student body necessary phases of health promotion not included in the field of physical education, the Student's Health Service has been established.

The activities of the Health Service are along the lines of personal attention, sanitation, and education. The personal attention phase of the Health Service work includes annual physical examination of all freshman and sophomore students. Complete physical records and a follow-up system are maintained. The medical examinations conducted by the Health Service and the posture and physical efficiency tests, conducted by the Department of Physical Education are combined. The particular findings of each are of value to both.

The University Physician is in his office at the gymnasium one hour each day, from 11 to 12 a. m.

MILITARY SCIENCE AND TACTICS RESERVE OFFICERS' TRAINING CORPS

MAJOR HARRY F. HAZLETT, INFANTRY (D. O. L.), *Professor*; CAPTAIN MERL L. BRODERICK, INFANTRY (D. O. L.), *Assistant Professor*; FIRST LIEUTENANT EDMUND M. GREGORIE, INFANTRY (D. O. L.), *Assistant Professor*; MASTER SERGEANT HENRY METZGER, U. S. A. (RETIRED), *Instructor*; SERGEANT STEVE KISH, DETACHED ENLISTED MEN'S LIST, U. S. A., *Instructor*.

In 1919 the U. S. 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, compulsory for all freshman and sophomore men who are physically fit, and the advanced course of the last two years (three years for co-operative students), elective for the men who have completed satisfactorily the basic course and the first two years of scholastic work for Engineering and Commerce students.

BASIC COURSE

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

- a. Aliens.
- b. Men physically disqualified.
- c. Men who have been in the military or naval service more than one year.
- d. Men who are taking short professional or pre-professional courses not leading to degrees.
- e. Men carrying less than 8 hours of work.
- f. Men who have attended another college 2 years, or who present credit for 48 hours of college work.

The work is given three hours per week for the first two years. In addition, all men of the basic course are required to take two hours' physical training each week under the direction of the Physical Director. Two hours of credit are given each semester for this combined course of military drill and physical training.

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

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

FRESHMAN YEAR

Subject	Theoretical Hours	Practical Hours
Military Courtesy _____	—	3
Drill and Command _____	30	34
Rifle Marksmanship _____	5	10
Scouting and Patrolling _____	—	6
Military Hygiene _____	6	2
Total hours per school year _____	41	55 96

THE UNIVERSITY OF AKRON

SOPHOMORE YEAR

Subject	Theoretical Hours	Practical Hours
Scouting and Patrolling	4	8
Automatic Rifle	4	8
Musketry	4	6
Drill and Command	20	32
Combat Principles	2	8
Total hours per school year.....	34	62.....96

ADVANCED COURSE

This course consists of five hours per week (three hours' credit per semester) during the junior and senior years (and pre-junior year for co-operative students). It is open to all students who have satisfactorily completed the basic course, provided they have been selected by the President of the University and the Professor of Military Science and Tactics. A deposit of \$10 is required, which is returned to the student upon surrender of his uniform, if he has completed the academic year. During this course the Government not only furnishes uniform and equipment, but also allows commutation of subsistence, which varies from time to time, at present being \$10 per month. Attendance at one summer camp of not more than six weeks' duration is required; for this attendance pay at the rate of \$0.70 a day is allowed. On the satisfactory completion of the advanced course, the student is commissioned in the Army of the United States as a second lieutenant. Promotions are made as in the regular army.

JUNIOR YEAR

Subject	Theoretical Hours	Practical Hours
Browning Machine Gun	18	24
37- ^m / _m gun and Trench Mortar.....	8	12
Combat Principles	12	10
Drill and Command	18	34
Military Sketching-Map Reading	10	14
Total hours per school year.....	66	94.....160

SENIOR YEAR

Military History Nat. Defense Act.....	20	—
Administration	2	6
Combat Principles	18	37
Drill and Command	18	34
Field Engineering	10	—
Military Law and O. R. Regulations.....	10	5
Total hours per school year.....	78	82.....160

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

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

Instruction consists of theoretical class room work with proper preparation of subjects for recitations, and practical work either indoors or

out, putting into execution the lessons learned in the class room. The facilities of the basic as well as of the advanced course should be utilized to the fullest extent, so that our Reserve Corps of officers may be strengthened by trained college graduates.

SUMMER CAMPS

A summer camp is held each year for the benefit of those students who desire to attend. One camp of six weeks' duration is required of all members of the advanced course. Attendance at the summer camp is not compulsory for students taking the basic course. To those who attend, the Government pays mileage to the camp and return, at the rate of five cents per mile. All clothing, equipment, and subsistence is furnished at the camp at no expense to the student. Athletics, dances, and other forms of social amusement play a part in the camps, as well as shooting on the rifle range, troop maneuvers, etc. Those desiring to attend should signify their intention at the completion of the first semester so that proper arrangements can be made for them at the camp.

MUSIC

MR. FRANCESCO B. DELEONE, *Director*; MR. WILLIAM E. STRASSNER,
MR. J. GARFIELD CHAPMAN, MR. FRANCIS J. SADLER, MISS RIDER

The work in music is open to election by members of all college classes. It includes a recitation course in the study of music, meeting twice a week through the year, and participation in Glee Club, Band, or Orchestra, three hours each week.

All students desiring to participate in the class room work in music, or in Orchestra, Band or Glee Club, must arrange for it on registration days as part of their regular assignment of work for the semester. Students outside the Teachers College who desire to take no studies except music must fulfill the regular requirements for college entrance. In no case shall the total credit for music exceed ten semester hours.

SCHOLARSHIPS IN MUSIC

The University offers sixteen scholarships in piano, voice, and violin, for students who are taking the Kindergarten and Music Supervisors course, and for other students in music who are especially qualified and gifted. The scholarships are competitive and the selection is made by the Music Faculty. This procedure offers a splendid opportunity for students to further their musical education. Each scholarship yields \$20 per semester.

PRIVATE LESSONS

Opportunity is also offered for private instruction in piano under Mr. DeLeone, in violin under Mr. Chapman, and in voice under Mr. Strassner. Piano practice in a specially equipped building is offered to those who desire it. The fees for such instruction are:

Piano practice, per semester.....	\$ 5.00
Private instruction, Voice, 10 lessons.....	30.00
Private instruction, Piano, 10 lessons.....	30.00
Private instruction, Violin, 10 lessons.....	25.00

COURSES OFFERED

For courses in music offered in the Teachers College see the Teachers College Bulletin or the Teachers College section of the General Catalog. For students not taking those courses, the following are offered:

THE STUDY OF MUSIC. First and second semesters. Two credits each semester.

This course is carried on as class room work and is chosen from the following subjects: rudiments, theory of music and elementary harmony, thorough bass, ear training, first year history of music, biographical history of music, musical appreciation, study of operas, etc. Students are not allowed to enter the course in the middle of the year.

MR. DE LEONE

MEN'S GLEE CLUB. First and second semesters. One credit each semester.

MR. SADLIER

WOMEN'S GLEE CLUB. First and second semesters. One credit each semester.

MR. SADLIER

ORCHESTRA. First and second semesters. One credit each semester.

MR. CHAPMAN

BAND. First and second semesters. One credit each semester for students not in R. O. T. C.

MR. STRASSNER

BUCHTEL COLLEGE OF LIBERAL ARTS

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

Buchtel College was founded as a College of Liberal Arts in 1870 by the Ohio Universalist Convention in co-operation with the Hon. John R. Buchtel. It became a part of the Municipal University of Akron, December 15, 1913. The following is a list of the original incorporators of Buchtel College, all of whom are deceased:

J. S. CANTWELL, D. D.
 COL. GEO. T. PERKINS.
 HENRY BLANDY.
 REV. GEO. MESSENGER.
 REV. B. F. EATON.
 JUDGE NEWELL D. TIBBALS.
 REV. J. W. HENLEY, D. D.
 JUDGE E. P. GREEN.
 O. F. HAYMAKER.
 JOHN R. BUCHTEL.
 REV. H. F. MILLER.
 REV. E. L. REXFORD, D. D.
 REV. H. L. CANFIELD, D. D.
 WILLARD SPAULDING.
 GEORGE STEESE.
 REV. ANDREW WILLSON, D. D.
 JAMES A. LANTZ.

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
C. M. KNIGHT, Sc. D. (ad interim).....	1896-1897
I. A. PRIEST, D. D.....	1897-1901
*A. B. CHURCH, D. D., LL. D.....	1901-1912
P. R. KOLBE, Ph. D.....	1913-1914

*Deceased.

ENDOWMENTS

MESSENGER PROFESSORSHIP

The Messenger Professorship of Mental and Moral Philosophy was endowed by Mrs. Lydia A. E. Messenger, late of Akron, in memory of her deceased husband, Rev. George Messenger.

HILTON PROFESSORSHIP

The Hilton Professorship of Modern Languages was endowed by John H. Hilton, late of Akron.

PIERCE PROFESSORSHIP

The Pierce Professorship of English Literature was endowed by Mrs. Chloe Pierce, late of Sharpsville, Pa.

BUCHTEL PROFESSORSHIP

The Buchtel Professorship of Physics and Chemistry was named in honor of Mrs. Elizabeth Buchtel, late of Akron.

AINSWORTH PROFESSORSHIP

The Ainsworth Professorship of Mathematics and Astronomy was endowed by Henry Ainsworth, late of Lodi.

RYDER PROFESSORSHIP

The Ryder Professorship of Rhetoric and Oratory was established by the Board of Trustees in Memory of Dr. William H. Ryder, late of Chicago.

MESSENGER FUND

The Messenger Fund was created by Mrs. Lydia A. E. Messenger, late of Akron. The fund consists of \$30,000.

ISAAC AND LOVINA KELLY FUND

The Isaac and Lovina Kelly Fund was created by Isaac Kelly, late of Mill Village, Pa. This fund consists of \$35,788.

WILLIAM PITT CURTIS FUND

This fund was established by William Pitt Curtis, late of Wadsworth, Ohio. It now amounts to \$25,000.

CROSLEY LIBRARY FUND

This fund was established by the Rev. Lotta D. Crosley, late of Kent, Ohio. It amounts to \$3,000.

ENTRANCE REQUIREMENTS

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

The minimum requirement for entrance to the Liberal Arts College is 15 units. Not less than 12 of these 15 units must be from the following subjects: English, Mathematics, Foreign Language, Science, History, the Social Sciences. The following $9\frac{1}{2}$ units must be included:

English	3	units
Mathematics (Algebra, $1\frac{1}{2}$; Plane Geometry, 1).....	$2\frac{1}{2}$	units
Foreign Language (4 recommended).....	2	units
U. S. History and Civics.....	1	unit
Science (must include laboratory work).....	1	unit

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

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

THESIS

A thesis showing original research by the student may be presented for graduation. It shall be taken in the subject chosen as the student's major, and shall count for two term hours if carried satisfactorily beyond the regular class room work. The thesis must be handed to the instructor in charge on or before the beginning of the senior vacation.

COURSES OF STUDY AND DEGREES

* The courses of study in Buchtel College lead to the A. B. degree, except the Chemistry course and the Pre-medical course, which lead to the B. S. degree.

REQUIREMENTS FOR GRADUATION

The requirement for graduation is 128 semester hours and 141 quality points (see page 40). The 128 hours must include the following in addition to the required work of the freshman year and the required physical and military training in the sophomore year: a major of 18 to 30 hours; a minor of 18 hours; from 26 to 32 hours of group-electives; and additional subjects to make the total of 128 hours.

FRESHMAN STUDIES

*THE A. B. COURSE

Rhetoric	3 credit hours each semester—required	
Human Biology and Problems of Citizenship	3 credit hours each semester—required	
Physical Training (women)	1 credit hour each semester—required	
Physical Training and Military Drill (men)	2 credit hours each semester—required	
French	3 or 4 credit hours each semester	} one required
Spanish	3 or 4 credit hours each semester	
German	3 or 4 credit hours each semester	
Latin	4 credit hours each semester	
Greek	4 credit hours each semester	
Mathematics	4 credit hours each semester—required	

THE B. S. COURSE

For the required freshman subjects in the Chemistry course and the Pre-medical course, see pages 56 and 57.

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

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

MAJORS

At the close of the freshman year the student is asked to select the department and subject in which he desires to take the most work. The subject selected is thereafter known as his major.

The following table gives the number of semester hours required for a major in each subject:

I. LATIN	32 hours, including freshman requirement.
II. GERMAN	24 hours, including freshman requirement.
III. FRENCH	24 hours, including freshman requirement.
IV. SPANISH	24 hours, including freshman requirement.
V. ENGLISH	30 hours.
VI. HISTORY	30 hours.
VII. POLITICAL SCIENCE	24 hours.
VIII. ECONOMICS	24 hours.
IX. SOCIOLOGY	24 hours.
X. PHILOSOPHY	24 hours.
XI. SPEECH	24 hours.
XII. MATHEMATICS	30 hours, including freshman requirement.
XIII. BIOLOGY	32 hours, including freshman requirement.
XIV. PHYSICS	30 hours, including freshman requirement.
XV. CHEMISTRY	See page 57.
XVI. PRE-MEDICAL	See page 56.

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AB

*Students in A. B. courses may substitute Latin or Greek for mathematics. Students intending to major in biology or physics will take biology or physics in the freshman year, and postpone their foreign language or some other freshman subject until the sophomore year.

MINORS

In addition to his major, the student is required to take at least 18 hours in some department other than his major department. Ordinarily the minor will be closely related to the major. With the permission of his major professor, the student may select his minor from two departments. All minor work must be approved by the student's major professor.

GROUP ELECTIVES AND FREE ELECTIVES

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

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

	GROUP-ELECTIVES							
	Major	Minor	Total Group Electives	Laboratory Science	†Foreign Language	History, Economics or Political Science	Psychology or Sociology	Literature or Speech
Latin	32	18	26	8		6	6	6
German	24	18	26	8		6	6	6
French	24	18	26	8		6	6	6
Spanish	24	18	26	8		6	6	6
English	30	18	26	8	6	6 ¹	6	
History	30	18	26	8	6		6	6
Political Science	24	18	26	8	6		6	6
Economics	24	18	26	8	6		6	6
Sociology	24	18	26	8	6	6		6
Philosophy	24	18	26	8	6	6		6
Speech	24	18	26	8	6	6	6	
Mathematics	30	18	32	8	6 ²	6	6	6
Biology	32	18	32	8	6 ²	6	6	6
Physics	30	18	32	8	6 ²	6	6	6
Chemistry	See page 57.							
Pre-medical	See page 56.							

*The student should consult the descriptive matter of his major department for more specific information concerning major, minor, and group-elective requirements.

†The minimum requirement in foreign language (including work taken either in high school or in the University) for graduation from the Liberal Arts College is five years. This must include not less than two years of each of two languages. At least two of the five years' work in language must be taken in the University.

1. Must be the History of England.
2. Must be second year German, or second year French.

SUBJECTS OF INSTRUCTION BIOLOGY

PROFESSOR PLOWMAN, ASSISTANT PROFESSORS KRAATZ, FOX, AND SLAGG

Major: Thirty-two hours, beginning with either 1-2 or 31-32, and following either the general biological, the zoological, or the botanical trend. Students who expect to enter the medical school should take the special Pre-medical Major course, as outlined on a subsequent page.

Biology Major students should select the minor field and plan the minor work at the beginning of the sophomore year.

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

Courses in Geology are not to be included in the biology major, but they may be taken as minors.

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

Courses 14 and 15, in Human Biology, are freshman requirements, and they cannot be included in either major or minor in Biology.

For statement of laboratory fees, see introductory pages of this bulletin.

1-2. GENERAL BIOLOGY. Both semesters. Four credits each semester.

This course is made up of two lectures of six hours of laboratory work each week, consisting of the study of parallel groups of the more primitive plants and animals. The purpose is to give a clear idea of the fundamental laws of nature as they relate to the simpler living things, and thus to emphasize the essential unity of the whole realm of life, including man.

PROFESSOR PLOWMAN, ASSISTANT PROFESSOR KRAATZ AND ASSISTANTS

3. VERTEBRATE ANATOMY. First semester. Four credits.

This course consists of a comparative survey of the organ systems of vertebrates, with emphasis upon homology in relation to their development. Laboratory work includes dissections of fish, amphibian, and mammal. Two lectures and six hours of laboratory work per week. Required of pre-medical students. Prerequisite, 1-2.

ASSISTANT PROFESSOR KRAATZ

4. EMBRYOLOGY OF VERTEBRATES. Second semester. Four credits.

A course in general vertebrate embryology, with comparative studies of early development of frog and chick. The laboratory work includes the preparation of a series of microscope slides from embryo material. Two lectures and six hours of laboratory work per week. Given in 1929-1930. Prerequisite, 1-2, 3.

ASSISTANT PROFESSOR KRAATZ

5. GENETICS. First semester. Three credits.

Lectures, recitations, and some reference reading and demonstrations, dealing with the problems of heredity, variation, and phylogeny of animals and plants. Special consideration is given to the application of the laws of genetics to the improvement of the human race. Prerequisite, either 1-2 or 31-32. Not offered in 1929-1930. PROFESSOR PLOWMAN

6. GENERAL ENTOMOLOGY. Second semester. Four credits.

This course deals with insects in a general way, including structure, characteristics, classification, life histories, habits, and the economic and ecological relations of some representative groups. Two lectures or recitations, with textbook, and six hours of laboratory work per week. Prerequisite, 1-2. Not offered in 1929-1930.

ASSISTANT PROFESSOR KRAATZ

7-8. HUMAN PHYSIOLOGY. Both semesters. Four credits each semester. This course is for college men. It was given in 1928-1929. It will be omitted in 1929-1930, and offered again in 1930-1931.

PROFESSOR PLOWMAN

9-10. HUMAN PHYSIOLOGY. Both semesters. Four credits each semester.

Four lecture-recitations per week, with occasional demonstration experiments, in a detailed study of the human body and its functioning. This course is designed to meet the requirements of college women. Some knowledge of physics and chemistry will be very helpful. Prerequisite, Biology 1-2, or equivalent. Given in 1929-1930, and alternate years thereafter.

PROFESSOR PLOWMAN

11. ORGANIC EVOLUTION. First semester. Three credits.

This course seeks to explain the meaning of evolution. It deals mainly with a survey of the evidences of organic evolution, together with outlines and a brief history of the main theories regarding the evolution concept. Three hours per week, mainly lectures, with discussions and reference reading. Prerequisites, 1-2 or 31-32.

ASSISTANT PROFESSOR KRAATZ

14. HUMAN BIOLOGY. Either semester. Three credits.

A brief study of the human body, considering its development, structure, and internal processes, together with its relationship to the inanimate environment and to other living things. Special emphasis is placed upon the matter of personal health and fitness for the task of living. Required of all men in the first year of the A. B. curriculum. Three lectures per week, with reference reading.

PROFESSOR PLOWMAN

15. HUMAN BIOLOGY. Either semester. Three credits.

This course is similar to 14, but it is specially adapted to meet the requirements of college women. It is required of all women in the first year of the A. B. curriculum. Three lectures per week, with reference reading.

PROFESSOR PLOWMAN

***17. THE BIOLOGICAL SCIENCES.** First semester. Three credits.

A general survey of the history and trend of the major fields of Biology. Required of all Biology major students, and given in alternation with course 5. Offered in 1929-1930.

PROFESSOR PLOWMAN

*Open only to juniors and seniors.

18. CONSERVATION. Second semester. Three credits.

A course of lectures and recitations, dealing with the natural resources of the world; their modes of origin, modes of recovery, uses and conservation. This course forms the natural connecting link between technical Biology and the fields of sociology, economics, commerce, and the like. This course is open to all college students, without prerequisite.

PROFESSOR PLOWMAN

19-20. BACTERIOLOGY. Both semesters. Four credits each semester.

This course consists of two lecture-recitations and six hours of laboratory work per week. It deals with the history and growth of the science of bacteriology, a study of the nature and properties of micro-organisms, the relations of bacteria and certain protozoa to man, bacteriological laboratory technique, and the elements of pathology. Either Biology 1-2 or Botany 31-32 is prerequisite, and some knowledge of chemistry is essential. An adaptation of this course, including two lectures and three hours of laboratory work per week, has been arranged for students majoring in chemistry.

ASSISTANT PROFESSOR FOX

21-22. SANITATION AND PUBLIC HEALTH. Both semesters. Three credits each semester.

A study of the history and principles of sanitary science, including the working out of specific problems in connection with the food and water supply, garbage and sewage disposal, factories, schools, and other institutions of Akron. This course should prove especially helpful to teachers in the public schools. Prerequisite, 1-2 or 31-32.

ASSISTANT PROFESSOR FOX

***23-24. BIOLOGICAL PROBLEMS.** Both semesters.

Advanced students in the department may undertake special lines of biological study, under the personal direction of some member of the departmental staff. Credit in this course is determined by the nature and amount of the work done.

PROFESSOR PLOWMAN AND ASSISTANT PROFESSORS KRAATZ,
FOX, AND SLAGG

31-32. GENERAL BOTANY. Both semesters. Four credits each semester.

Two lectures and six hours of laboratory work per week, devoted to comparative studies of the principal plant groups, with respect to their anatomy, nutrition, life histories, heredity, and evolutionary development. The main purpose of the course is to discover the diverse ways in which plant life has solved the problems of existence.

ASSISTANT PROFESSOR SLAGG

33-34. NATIVE AND ECONOMIC PLANTS. Both semesters. Three credits each semester.

Two lecture-recitations and two hours of laboratory or field work per week, dealing with the identification, classification, peculiarities, and

*Open only to juniors and seniors.

economic uses of important seedbearing plants. This course deals especially with the local flora of both fall and spring, and with such plants of distant distribution as enter largely into world commerce.

ASSISTANT PROFESSOR SLAGG

35. NATURE STUDY. Second semester. Three credits.

Two lectures and one field trip each week, dealing with the recognition, habits, peculiarities, and uses of large numbers of local plants and animals; also, some study of the features of the earth's surface, of the weather, and of the phenomena of the heavens. The course is designed especially for teachers. (See also Teachers College bulletin.)

ASSISTANT PROFESSOR SLAGG

41-42. INTRODUCTION TO GEOLOGY. Both semesters. Three credits each semester.

Lectures, readings, discussions, and field trips, dealing with earth materials, earth structures, and earth forces, and a more specific study of their physiographic expression in Europe and North America. Special attention is given to local geology. This course is not open to freshmen.

ASSISTANT PROFESSOR SLAGG

45. WEATHER AND CLIMATE. First semester. Three credits.

This course includes a study of the elements of weather, and of world climates, with especial consideration of the controlling influence of climate in relation to the distribution, character, and activities of living things, particularly man. (Not offered in 1929-1930.)

ASSISTANT PROFESSOR SLAGG

PRE-MEDICAL MAJOR COURSE

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

FRESHMAN YEAR		JUNIOR YEAR	
Credit hrs. per semester		Credit hrs. per semester	
General Biology, 1-2.....	4	Vertebrate Anatomy and	
General Inorganic Chemistry, 3-4.....	7	Embryology	4
German or French.....	3 or 4	Organic Chemistry, 7-8.....	3
R. O. T. C. and Physical Training.....	2	Light, 3 (First Semester).....	4
		Mathematics or Rhetoric.....	3 or 4
	16 or 17	Group Elective	3
SOPHOMORE YEAR			
Credit hrs. per semester			
Quantitative Analysis, 5-6.....	4	17 or 18	
General Physics, 1-2.....	4		
German or French.....	3	SENIOR YEAR	
Rhetoric or Mathematics.....	3 or 4	Credit hrs. per semester	
R. O. T. C. and Physical Training.....	2	Biology	3 or 4
	16 or 17	Electives to make a total of 128 hours	
		for the four years.	

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

CHEMISTRY

PROFESSOR SIMMONS, ASSISTANT PROFESSORS SCHMIDT, SCHAEFER AND COOK,
MR. ANDERSON, MR. HAAS

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

Minors: Literature, 6 hrs.; Sophomore Mathematics, 10 hrs.; Psychology, 6 hrs.; Political Science, Economics, or Sociology, 6 hrs.; Biology, 8 hrs.; Physics, 8 hrs.; equivalent of 2 years of German.

CHEMICAL COURSE

FRESHMAN YEAR		SOPHOMORE YEAR	
	Credit hrs. per semester		Credit hrs. per semester
General Chemistry, 3 and 4.....	7	Quantitative Analysis	4
Mathematics	4	Biology	4
Modern Language	3 or 4	Mathematics	5
Physical and Military Training.....	2	Modern Language	3
		Physical and Military Training.....	2
		Rhetoric	3
JUNIOR YEAR		SENIOR YEAR	
	Credit hrs. per semester		Credit hrs. per semester
Organic Chemistry	3	Organic Chemistry	3
Physics	4	Physical Chemistry	4
Electives		Electives	

1-2. GENERAL INORGANIC CHEMISTRY. Both semesters. Four credits each semester.

Given for the students as a minor in the B. S. and A. B. courses, and should not be taken by those intending to major in chemistry. Three recitations and three hours of laboratory work each week.

ASSISTANT PROFESSOR COOK, MR. HAAS

3. GENERAL INORGANIC CHEMISTRY. First semester. Seven credits.

This course is designed for those majoring in chemistry. Four recitations and nine hours of laboratory work a week.

MR. HAAS

4. QUALITATIVE ANALYSIS. Second semester. Seven credits.

A study of the separation and identification of the common cations and anions. Four recitations and nine hours of laboratory work a week.

MR. HAAS

5-6. QUANTITATIVE ANALYSIS. Both semesters. Four credits each semester.

One lecture and 9 hours of laboratory work per week. The first semester's work deals entirely with gravimetric analysis, and related theoretical principles. The second semester's work is devoted to volumetric methods, alkalinity, acidimetry, oxidation, reduction and precipitation processes. Considerable emphasis is placed on laboratory technique and stoichiometry throughout the year's work. Prerequisite, 4.

ASSISTANT PROFESSOR COOK

7-8. ELEMENTARY ORGANIC CHEMISTRY. Both semesters. Three credits each semester.

This course covers the elements of organic chemistry, including aliphatic and aromatic compounds. Laboratory work includes preparation and purification of typical compounds, together with a study of their properties. It satisfies pre-medical requirements in organic chemistry. Pre-Dental and Home Economics students may also enroll. Required of all students majoring in chemistry. Prerequisite, 2. Two recitations and three hours of laboratory work each week.

ASSISTANT PROFESSOR SCHMIDT

9-10. ADVANCED ORGANIC CHEMISTRY. Both semesters. Three credits each semester.

Recent discoveries and theories of organic chemistry are discussed. Study of the text is supplemented by required reference reading in the library. Laboratory work includes ultimate analysis, identification of organic compounds, and preparation of various compounds on a larger scale than in elementary organic chemistry. Required of all students majoring in chemistry. Prerequisite, 8. Two recitations and three hours of laboratory work each week.

ASSISTANT PROFESSOR SCHMIDT

***11-12. INDUSTRIAL ANALYSIS.** Both semesters. Three credits each semester.

The course covers special methods of analyses of technical products, iron and steel, alloys, mineral and vegetable oils, agricultural materials, fats, waxes, foods, boiler water and its treatment, and drinking water. Nine hours of laboratory work per week. Prerequisite, 6.

ASSISTANT PROFESSOR COOK

***13-14. PHYSICAL CHEMISTRY.** Both semesters. Four credits each semester.

A study of the properties of gases, liquids, solids, solutions, and chemical equilibrium. The solution of problems is an important part of the class work. The laboratory work consists of physical-chemical measurements. Three recitations and three hours of laboratory work each week. Prerequisite, 6 and 8 and Physics 1-2.

ASSISTANT PROFESSOR SCHMIDT

***15-16. CHEMISTRY OF RUBBER TECHNOLOGY.** Both semesters. Four credits each semester.

The course embraces a study of the following topics: crude rubber; analysis of vulcanized compounds; milling; vulcanizing; physical testing; compounding; accelerators; theories of vulcanization; synthetic rubber; constitution of rubber; reclaimed rubber; substitutes. Two recitations and six hours of laboratory work each week. Prerequisite, 8.

PROFESSOR SIMMONS

*Open only to juniors and seniors.

31. ENGINEERING CHEMISTRY. ASSISTANT PROFESSOR SCHAEFER

32. METALLURGY OF IRON AND STEEL.
ASSISTANT PROFESSOR SCHAEFER

Courses 31 and 32 are given only for students taking Engineering. For description, see bulletin of the College of Engineering and Commerce.

ECONOMICS AND SOCIOLOGY

PROFESSOR DAVIS, ASSOCIATE PROFESSOR HAWTHORN

Major: Two majors are offered: one in Economics and one in Sociology. The minimum for each is 24 hours. For required group-electives see statement on introductory pages of this bulletin.

ECONOMICS

PROFESSOR DAVIS

1. PRINCIPLES OF ECONOMICS. First semester. Three credits.

This course covers the basic principles and concepts in economics; the production, consumption, and distribution of wealth. This course or its equivalent is required for entrance to any other course in economics. Students planning to major in economics should take this course in their sophomore year.

2. PRINCIPLES OF ECONOMICS. Second semester. Three credits.

This course gives an introduction to labor organization and labor problems, money, credit and banking, international trade and foreign exchange, economic crises, transportation, agricultural problems, social programs, public receipts and expenditures. This course is a prerequisite for all advanced courses in economics.

*3. FOREIGN TRADE AND FOREIGN EXCHANGE. First semester. Three credits.

Recent tendencies in the foreign trade of the United States, the principle of comparative cost, the balance of trade, ocean shipping, the technique of handling and financing foreign trade, the fundamentals of foreign bills of exchange, import and export credits, gold movements and the influence of investment and speculation, international creditor and debtor aspects, and governmental interference with rates of exchange and foreign trade. Prerequisite, 1-2.

*4. MONEY AND BANKING. Second semester. Three credits.

The principles and functions of money, credit and banking, credit instruments, credit and banking institutions, with especial attention to the Federal Reserve System. Prerequisite, 1-2.

*Open only to juniors and seniors.

***5. CORPORATION ORGANIZATION AND FINANCE.** First semester.
Three credits.

The different forms of business organization; the formation, promotion, and financial policies of corporations; nature and elements of capitalization, varieties of securities, methods of underwriting, distribution of profits, financing, failure and reorganization. Prerequisite, 1-2.

***6. INVESTMENT.** Second semester. Three credits.

This course deals with the nature, principles, classification and technique of investment; real estate loans; national, state and municipal bonds; investment analysis; railroad, public utility, industrial and financial institution securities. Prerequisite, 1-2.

***7. LABOR PROBLEMS.** First semester. Three credits.

A study of labor organization and labor legislation in America, the conflict between employers and employees, the underlying causes, the efficiency and welfare of the worker, and the various voluntary and legal methods employed by laborers, employers, and the public in an attempt to promote industrial peace. Prerequisite, 1-2.

***8. ECONOMIC THEORY.** Second semester. Three credits.

This course deals with some of the more important problems of economic theory as applied to the factors and functions of production, capital and capitalization, value and price, wages, interest, rent and profits, price theories, and theories of the business cycle. Required of all majors in economics. Prerequisite, 1-2.

***15-16. ECONOMICS SEMINAR.** Both semesters. One credit each semester.
Open to advanced students majoring in Economics.

The following courses offered in the College of Engineering and Commerce are of special value to students majoring in Economics. Such students are required to include Statistics as a part of their major, and are urged to choose all the rest of these courses in their free electives. For descriptions of courses which are prerequisite to these, see College of Engineering section of general catalog, or the bulletin of that college.

20. COMMERCIAL AND INDUSTRIAL GEOGRAPHY. First semester. Three credits.

This introductory course develops a clear conception of environmental elements such as climate, land forms, soils, mineral resources, and native vegetation, and shows their influence upon man's economic activity. It analyzes the physical factors which constitute the basis of trade, the determinates of population movements, and the causes of international strife. Required of all Commerce students.

*Open only to juniors and seniors.

23. ECONOMIC DEVELOPMENT OF THE UNITED STATES. Second semester. Three credits.

A short study is made of those features in England which have influenced the industrial life in the United States. Such topics are considered as exploration and settlement, territorial acquisition, land policies, population growth, growth of commerce, crises, industrial combination and conservation, origin and development of banking institutions and railroad systems, tariff, labor unions, and government regulation of trade. Required of all Commerce students.

30-31. ACCOUNTING. First and second semesters. Three credits each semester.

This course introduces the student to the details of business management. The recording of important transactions such as the acquisition of assets and their depreciation, the borrowing of money, the incurring of expenses, the making of purchases and sales, are considered. Attention is directed to the balance sheet and the statement of profit and loss, their construction, interpretation, and use of each. Required of all Commerce sophomores.

55. RAILWAY TRANSPORTATION. Second semester. Three credits.

A study is made in this course of the American railway system from the points of view of the economist, the shipping public, and the railroad administrator. The course takes up the part played by railroads in the production, exchange and distribution of wealth, railroad service, rate making, valuation, and federal regulation. Prerequisite, 50-51. Given in 1929-30 and alternate years.

57. STATISTICS. Second semester. Four credits.

In this course the student is taught to apply the scientific method to business and social problems. It emphasizes the use of surveys, accounting, analyses and group tests. Particular attention is given to the collection and use of statistical data. Prerequisite, 50-51 or its equivalent. Given in 1928-29 and alternate years.

73. BUSINESS FINANCE. First semester. Three credits.

This is a basic and comprehensive course in finance. The financial structure and operation, the uses and sources of funds, the relation of the business executive to his bank, and the safeguarding of credit are studied. The financial needs and operation of both large and small businesses are equally stressed. Prerequisite, 70.

80. MARKETING. First semester. Three credits.

Among the topics covered in this course are marketing functions, marketing of raw materials and manufactured goods, middlemen and their place in the market structure, retail types and policies, consumer and producer co-operation, market finance, associative activities, cost of marketing, prices and price factors. Open to juniors and pre-juniors. Prerequisite, 50-51.

SOCIOLOGY

ASSOCIATE PROFESSOR HAWTHORN

1. INTRODUCTORY SOCIOLOGY. First semester. Three credits.

This is a foundation course in the basic concepts and methods of sociology. It includes systematic surveys of the various fields of sociology; the origin, structure, evolution, and control of human society; and applications of sociology to typical social problems.

2. SOCIAL PATHOLOGY. Second semester. Three credits.

Topics considered are: criminology; conditions, factors, and types of criminality; agencies in treatment of crime; family disintegration and divorce; causes of poverty and methods and institutions for its treatment; special field study, and reporting on agencies dealing with crime, poverty, divorce, etc. Prerequisite, 1.

3. SOCIOLOGY OF PERSONALITY AND LEADERSHIP. First semester. Three credits.

Sociological factors in the formation of personality; struggle for psychic survival and "self-hood" in modern society; prestige, bases and methods of leadership; conservation of genius and talent; problem of "defeated" and maladjusted personalities, will be considered in this course. Prerequisite, 1.

4. SOCIAL ADJUSTMENT: ITS PRINCIPLES, METHODS, AND AGENCIES. Second semester. Three credits.

A continuation of course 3. An analytical study of personality adjustment processes such as ego saving, impression, expression, socialization, etc.; personality tests; urban personality types; sociological treatment of maladjusted personalities; agencies and institutions of social adjustment. Prerequisite, 3 or its equivalent.

5. ADVANCED URBAN SOCIOLOGY. First semester. Two credits.

A more advanced and intense study of modern city life: the forces, environments, population movements, processes, that characterize urban society; analyses and interpretations of the factors involved in character building, control of opinion, and social adjustment; recent surveys of urban and rural life; use of surveys and sociological measurements in evaluating and guiding welfare work. Open only to graduate students, and such seniors and juniors as have completed nine credit hours in Sociology.

6. SOCIAL PHILOSOPHIES AND MODERN SOCIAL PROBLEMS. Second semester. Two credits.

A systematic study of such social philosophers as Plato, Seneca, Comte, Spencer, Ward, Tarde, Giddings, and Ross. Application of their thought to social problems of civilization; modern schools of social thought with reference to such modern problems as crime, divorce, family, poverty,

population, eugenics, and child welfare; papers and discussions on selected books and articles indicating new trends in social philosophy. Open only to graduate students, and such seniors and juniors as have completed nine credit hours in Sociology.

*7-8. SOCIAL WELFARE AND RESEARCH. Both semesters. One to six credits for the year.

Topics considered in this course are: technique and methods of social welfare and research work; methods used by family case workers, probation officers, scout leaders, "Y" secretaries, settlement house directors, etc.; conferences, group discussions with specialized field practice in city; special research projects. Students specializing in social welfare work will have the opportunity to do supervised field work under the direction of the Family Service Society. Prerequisites, consent of instructor and 1, 2, 3, 4.

*9. SEMINAR. Either semester. One credit.

Reports and discussions on current sociological problems. Limited to upperclassmen majoring in this department who have had at least six hours of sociology.

*10. THESIS. Second semester. Two credits.

An original study in some special field of sociology, designed to develop creative scholarship, or the preparation of a scientific monograph on some current social problem will be written by each student under direction of the instructor. Open only to seniors majoring in sociology.

ENGLISH

DEAN SPANTON, PROFESSOR PEASE, MISS MITCHELL, MR. ROBERTS, MR. VANCE,
MISS CUSHMAN, MISS FREEDLANDER, MR. STICKNEY

Major: A minimum of 30 hours, exclusive of 1-2 and courses in Journalism, is required for a major. A major must include courses 27-28, 29-30, 31-32, 33-34 or 35-36, 44, and two courses selected from 3, 5, and 6.

Order of Work: Courses 27-28 are prerequisite to the more advanced courses and must be taken in the sophomore year by students desiring to major in English. English History 9-10 must also be taken in the sophomore year.

RHETORIC

Freshmen who are found to be inadequately prepared for Rhetoric 1 are required to enter a sub-freshman rhetoric class, without credit.

1. RHETORIC. Either semester. Three credits.

This course is designed for elementary instruction in English composition. Students are given practice in expressing their own ideas. Attention is devoted particularly to sentence and paragraph structure, and to the writing of short expository compositions.

*Open only to juniors and seniors.

2. RHETORIC. Either semester. Three credits.

This course is a continuation of 1. Exposition, description, and narration are included. The student is given much practice in writing in all three, much longer expository papers being required than in Rhetoric 1. Prerequisite, 1.

3. ADVANCED COMPOSITION. First semester. Three credits.

This course is planned to develop ease of writing in the student. The work consists of short daily themes, with an occasional longer paper, and conferences with the instructor. Prerequisite, 1-2. Not offered in 1929-1930.

MISS MITCHELL

5. SHORT STORY WRITING. First semester. Two credits.

The main work of the course is the writing of original short stories based on modern theory and on illustrative readings. The latter include both "classics" and selected stories from current periodicals. Prerequisite, 1-2.

PROFESSOR PEASE

6. ESSAY WRITING. Second semester. Two credits.

Expositional and descriptive themes will be developed on lines of individual choice. Modern essayists will be studied for illustration of methods and style. Prerequisite, 1-2.

PROFESSOR PEASE

LANGUAGE AND LITERATURE

25-26. INTRODUCTION TO LITERATURE: TYPES OF PROSE AND POETRY.

Both semesters. Three credits each semester.

This course stresses literary types and characteristics rather than the historical development of English literature. Types of prose are studied the first semester; types of poetry, the second semester. Prerequisite, 1-2.

MISS MITCHELL, MISS FREEDLANDER, MR. ROBERTS

27-28. HISTORY OF ENGLISH LITERATURE. Both semesters. Three credits each semester.

The course presents an introductory survey of the great English authors, the chief types of prose and poetry, and the historical backgrounds and tendencies of literary periods. This course, not 25-26, should be elected by students who are majoring in English or who plan to take other courses in literature. Prerequisite, 1-2.

PROFESSOR PEASE

***29. CHAUCER.** First semester. Three credits.

The work includes a careful study of the best of the Canterbury Tales and a more rapid reading of other important portions of Chaucer's work. Readings, papers. Prerequisite, 27-28. Not offered in 1929-1930.

PROFESSOR PEASE

*Open only to juniors and seniors.

30. HISTORY OF THE ENGLISH LANGUAGE. Second semester. Three credits.

The parallel development of the English language and English history is studied in relation to linguistic sources, changes in form and pronunciation, and the historical conditions and causes leading up to the English language we know today. Prerequisite, 1-2. Not offered in 1929-1930.

PROFESSOR PEASE

31-32. SHAKSPERE. Both semesters. Two credits each semester.

A study of the development of Shakspeare as a dramatist and his place in the Elizabethan Age and in the history of English literature. Most of the plays are read. Prerequisite, 1-2.

DEAN SPANTON

***33-34 NINETEENTH CENTURY LITERATURE.** Both semesters. Three credits each semester.

This course includes a study of the most important works of the leading British poets (except Tennyson and Browning) and essayists of the nineteenth century. Prerequisite, 27-28,

MR. STICKNEY

***36. TENNYSON AND BROWNING.** Second semester. Three credits.

Prerequisite, 1-2. Not offered in 1929-1930.

DEAN SPANTON

37. WORD STUDY. First semester. Two credits.

After a few introductory lectures on language, the work centers in the study of words—their origin, development, significance, and habits. Prerequisite, 1-2.

DEAN SPANTON

38. THE ENGLISH BIBLE AS LITERATURE. Second semester. Two credits.

The object of this course is to help the student to see the beauty and power of the Bible, especially the Old Testament, as literature; its narrative, exposition, and poetry. Prerequisite, 1-2.

DEAN SPANTON

***39-40. ENGLISH FICTION: DEVELOPMENT OF THE NOVEL.** Both semesters. Three credits each semester.

The evolution of the novel, as a distinct type, is followed down from the time of the medieval romances. Emphasis is given to eighteenth and nineteenth century development, with selections, as time allows, from contemporary works. Prerequisite, 27-28.

PROFESSOR PEASE

***41-42. ENGLISH DRAMA.** Both semesters. Two credits each semester.

The development of English drama from its origins in the medieval church to the contemporaries of Shakspeare is undertaken for the first semester's work; for the second semester the course follows the chief works and tendencies of seventeenth and eighteenth century drama in England, and the relation they bear to conditions of literature and society of the time. Prerequisite, 27-28 or 25-26. Not offered in 1929-1930.

PROFESSOR PEASE

*Open only to juniors and seniors.

***44. THE MODERN DRAMA.** Second semester. Three credits.

This course is a study of the principal dramatic writers from the nineteenth century to the present time. Lectures, readings, and papers. Prerequisite, 25-26 or 27-28. Not offered in 1929-1930.

MISS MITCHELL

45-46. AMERICAN LITERATURE. Both semesters. Three credits each semester.

After a somewhat rapid survey of the literature of the Colonial and Revolutionary Periods, the work centers in a study of the leading poets and prose writers of our later literature. Prerequisite, 1-2.

PROFESSOR PEASE

47. VERSIFICATION. First semester. Two credits.

This course includes the study of style and technique in a few major English poets, a study of the forms of verse, and numerous exercises in writing original verse covering the more important forms. Correct analysis and appreciation of poetic form are the principal aims of the course, whose value will be more in literary appreciation than in actual production of poetry. Prerequisite, 1-2.

PROFESSOR PEASE

48. RECENT POETRY. Second semester. Two credits.

This course covers the movements and best examples of both British and American poetry during the last two generations. Significant changes of the late nineteenth century are studied in relation to their significance and their later effect. Prerequisite, 1-2.

PROFESSOR PEASE

49. GREEK MASTERPIECES THROUGH ENGLISH TRANSLATIONS. First semester. Three credits.

A careful study is made of the various forms of Greek literature and the chief works in the fields of epic and lyric poetry, the drama, history, and philosophy. Prerequisite, 1-2. Not offered in 1929-30.

PROFESSOR ROCKWELL

50. LATIN MASTERPIECES THROUGH ENGLISH TRANSLATIONS
Second semester. Three credits.

This course is a continuation of 49, which is prerequisite to it. Not offered in 1929-30.

PROFESSOR ROCKWELL

60. USE OF THE LIBRARY. Second semester. Two credits.

The work includes a study of the card catalog, indexes, general reference books, and other bibliographical aids designed to help the student do efficient reference work for himself. Each student will work out a bibliography on some subject in which he is particularly interested. Prerequisite, 1-2.

MISS CUSHMAN

*Open only to juniors and seniors.

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

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

Courses 81-82, 85-86 inclusive, are given only for students in co-operative courses. For description see under English in the College of Engineering and Commerce.

JOURNALISM

MR. VANCE

15. NEWS WRITING. First semester. Three credits.

Members of this class form the reporting staff of The Buchtelite, semi-weekly student newspaper. The class meets two periods a week, and the third credit is given for laboratory work, which is required. Prerequisite, 1-2.

16. NEWS WRITING. Second semester. Three credits.

This course may be taken either before or after 15. Members of the class report for The Buchtelite and meet two periods a week for lectures, reports, and discussions. Prerequisite, 1-2.

*17-18. EDITING. Both semesters. Two credits each semester.

Members of this class edit The Buchtelite, the student newspaper. Problems of headline writing, copyreading, and makeup are studied. Actual practice in editing The Buchtelite is required. Prerequisite, 15 and 16, or their equivalent.

19. HISTORY OF JOURNALISM. First semester. Two credits.

Early and modern newspapers, and some of the leading journalists of America, are studied through lectures, assigned reading, and reports. Prerequisite, 1-2. Not offered in 1929-1930.

20. FEATURE WRITING. Second semester. Two credits.

The writing of special feature articles for newspapers and magazines will be studied, with especial attention to the style and construction of these articles. Students will be urged to submit articles for publication. The course includes textbook study. Prerequisite, 1-2.

FRENCH

(See MODERN LANGUAGES)

GERMAN

(See MODERN LANGUAGES)

GREEK AND LATIN

PROFESSOR ROCKWELL, MISS SCHILLER

GREEK

Minor: A minor in Greek may be taken with a Latin major.

1-2. WHITE'S GREEK BOOK AND THE GOSPEL OF MARK. Both semesters. Four credits each semester.

Special emphasis is placed on the structure of the Greek verb and the synopsis of tenses. Not offered in 1929-1930.

*Open only to juniors and seniors.

3. SELECTIONS FROM PLATO. First semester. Three credits.

Special study is made of Socrates' position in philosophy and of the foundation he laid for modern thought. Prerequisite, 1-2.

4. SELECTIONS FROM HOMER'S ODYSSEY. Second semester. Three credits.

Homer's language, style, and times are investigated. Prerequisite, 3.

49. GREEK MASTERPIECES THROUGH ENGLISH TRANSLATIONS. First semester. Three credits.

A careful study is made of the various forms of Greek literature and the chief works in the fields of epic and lyric poetry, the drama, history and philosophy. Not offered in 1929-1930.

CLASSICAL ARCHAEOLOGY

Courses 5 and 6 will count toward either major offered in this department.

5-6. GREEK SCULPTURE. Both semesters. Three credits each semester.

The early Greek schools are studied in their historical and art relations, and later the six Greek masters and the Hellenistic period. During the second semester special topics for investigation are assigned to each member of the class.

LATIN

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

Minor: The required minor of 18 hours should be taken in Greek, German, French, Spanish, English, History, or Mathematics. The minor, however, is not restricted to these subjects.

Opportunity is given students who have completed the first two years of Latin to take advanced courses in the literature, private life, and prose composition.

1. CICERO'S DE AMICITIA AND OVID'S METAMORPHOSES I AND II. First semester. Four credits.

During the freshman year a careful study is made of sentence construction, idiomatic and rhetorical expressions, and written translations constitute an important feature of the work. Required of all freshmen in Majors I and II.

2. PLINY'S LETTERS, SELECTIONS. Second semester. Four credits.

Those letters are read which refer to the history and the private life of the times. Required of all freshmen in Majors I and II. Prerequisite, 1.

3. LIVY, BOOK XXII. First semester. Three credits.

Livy's style as a historian and Hannibal's genius as a strategist are emphasized. Prerequisite, 2. Not offered in 1929-1930.

4. TERENCE'S PHORMIO, HORACE'S ODES AND EPODES. Second semester. Three credits.

The structure of Terence's play is carefully studied. One recitation is given to the study of Roman private life and translating Latin at sight. Prerequisite, 3. Not offered in 1929-1930.

- *5. CICERO'S DE OFFICIIS, BOOK III. First semester. Three credits. The principles of the different schools of philosophy are taken up in detail and also Cicero's position in reference to the intuitional and utilitarian schools. Prerequisite, 4.
- *6. HORACE'S SATIRES. Second semester. Three credits. Horace's practical outlook on life is emphasized. Prerequisite, 5.
50. LATIN MASTERPIECES THROUGH ENGLISH TRANSLATIONS. Second semester. Three credits. This course is a continuation of Greek 49. Not offered in 1929-1930.

HISTORY

DEAN THOMPSON, DEAN GARDNER, MR. PITKIN

Major: Thirty hours elected above the freshman year constitute a major in History. Those students working for a major must take the following courses: 1-2, 3-4, 5-6, 7-8, 9-10, 11-12. Most of the courses in this department are year courses; students cannot enter them in the middle of the year, nor is credit given until the year's work is completed.

- 1-2. GENERAL SURVEY OF HISTORY. Both semesters. Three credits each semester.

A general comprehensive view of the history of the world is given in this course, by lectures and collateral reading. Open to all upperclassmen.

DEAN THOMPSON

- 3-4. MEDIEVAL HISTORY. Both semesters. Two credits each semester. The period from the fall of Rome to the second barbarian invasions is covered in the first semester. The second semester extends to the sixteenth century.

DEAN GARDNER, MR. PITKIN

- *5-6. THE FOUNDATIONS OF MODERN EUROPE. Both semesters. Two credits each semester.

The first semester extends from the sixteenth century to the Treaty of Utrecht. The second semester covers the period to the Congress of Vienna. Prerequisite, 1-2, 3-4.

DEAN THOMPSON

- 7-8. HISTORY OF MODERN EUROPE. Both semesters. Three credits each semester.

The first semester covers the History of Europe from 1815 to 1870. In the second semester special attention is given to present-day problems. Prerequisite, permission of instructor.

DEAN THOMPSON

- 9-10. HISTORY OF ENGLAND. Both semesters. Three credits each semester.

The first semester of this course covers the formation of the English race and civilization, the growth of the national government, economic and social conditions, and the influence of the church. In the second semester, special attention will be given to constitutional, colonial, and present-day affairs.

DEAN GARDNER, MR. PITKIN

*Open only to juniors and seniors.

11. AMERICAN HISTORY THROUGH THE CIVIL WAR. First semester.
Three credits.

An intensive study is made of the revolt of the colonies, the foundations of the new nation, Jeffersonian and Jacksonian democracy, the new West, and problems leading to the Civil War. DEAN GARDNER

12. AMERICAN HISTORY SINCE THE CIVIL WAR. Second semester.
Three credits.

After a survey of the Reconstructive period a survey is made of the development of such modern problems as the civil service, finance, trusts, railroads, imperialism, and particularly the World War period.

MR. PITKIN

In addition to the preceding courses at least one of the following will be given each year. Modern History Since the Great War will be offered in 1929-1930.

13-14. AMERICAN COLONIAL HISTORY (two credits). DEAN GARDNER

17-18. ANCIENT HISTORY (two credits). DEAN THOMPSON

19-20. HISTORY OF CENTRAL AND SOUTH AMERICA AND CANADA (two credits). DEAN THOMPSON

23-24. RENAISSANCE AND REFORMATION (two credits). DEAN THOMPSON

25-26. MODERN HISTORY SINCE THE GREAT WAR (two credits). DEAN THOMPSON

JOURNALISM

(See ENGLISH)

LATIN

(See GREEK and LATIN)

MATHEMATICS

PROFESSOR JONES, ASSISTANT PROFESSORS BENDER AND SILBERFARB,
MISS LIPSCOMBE, MRS. LEIGH, MISS GOODMAN

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

Minor: Physics is strongly recommended as a minor.

1. ALGEBRA. Either semester. Four credits.

The course includes a review of elementary algebra, and takes up the study of surds, linear and non-linear equations, proportion, variation, progressions, mathematical induction, binomial theorem, permutations, and combinations.

ASSISTANT PROFESSOR BENDER, MISS LIPSCOMBE,
MRS. LEIGH, MISS GOODMAN

2. TRIGONOMETRY. Either semester. Four credits.

The following topics are studied: angles and their measurements, the trigonometric functions, fundamental identities, reduction theorems, addition and multiplication theorems, trigonometric equations, the inverse trigonometric functions, the right and oblique triangles, and logarithms.

ASSISTANT PROFESSOR BENDER, MISS LIPSCOMBE,
MRS. LEIGH, MISS GOODMAN

3-4. ANALYTIC GEOMETRY. Both semesters. Two credits each semester. The first half of the course consists of a study of the straight line, circle, conic sections, and polar curves. The second half of the course includes transformation of co-ordinates, higher algebraic and transcendental curves, and a brief treatment of space co-ordinates and loci. Prerequisite, 1 and 2. MRS. LEIGH

5. DIFFERENTIAL CALCULUS. First semester. Three credits. This course takes up the differentiation of functions of a single variable, maxima and minima, curve tracing, and simple applications to mechanics. Prerequisite, 1 and 2; course 3 must also be taken with course 5. MISS LIPSCOMBE

6. INTEGRAL CALCULUS. Second semester. Three credits. General and special methods of integration, definite integral, partial differentiation, and applications to geometry, mechanics, and physics. Prerequisite, 5. MISS LIPSCOMBE

***7-8. ADVANCED CALCULUS.** Both semesters. Two credits each semester. The first half of the course deals with partial differentiation, double and triple integrals, development in series, and indeterminate forms. The second half includes such topics as line, surface and space integrals, implicit functions, maxima and minima of functions of several variables, and elliptic and gamma integrals. Prerequisite, 5 and 6. PROFESSOR JONES

9. HIGHER ALGEBRA. First semester. Three credits. Selected topics, such as number theory, convergence, divergence and summation of series, determinants, probability, and continued fractions, are taken up in this course. Prerequisite, 1 and 2. PROFESSOR JONES

10. HIGHER GEOMETRY. Second semester. Three credits. This course takes up more advanced methods of studying geometrical facts than were possible in courses 3 and 4. Prerequisite, 5 and 6. PROFESSOR JONES

***11. DIFFERENTIAL EQUATIONS.** First semester. Three credits. This course takes up the solution of the differential equations which arise in the study of geometry and physics. Prerequisite, 5 and 6. ASSISTANT PROFESSOR BENDER

12. THEORY OF EQUATIONS. Second semester. Three credits. This course takes up topics relating to the solution of equations, such as complex numbers, Newton's and Horner's methods of solving equations, Sturm's functions, determinants, symmetric functions, and elimination. Prerequisite, 5. ASSISTANT PROFESSOR BENDER

*Open only to juniors and seniors.

13. ASTRONOMY. First semester. Three credits.

A brief course involving a study of the celestial sphere, astronomical problems, astronomical instruments, the solar system, eclipses, the fixed stars, nebulae, and cosmogony. Prerequisite, 1 and 2. Not offered in 1929-1930.

14. HISTORY OF MATHEMATICS. Second semester. Three credits.

The history of the invention and development of the notions, language, symbols, and methods of elementary mathematics will be studied in this course. Prerequisite, 1 and 2. Not offered in 1929-1930.

51-57. MATHEMATICS.

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

58. MATHEMATICS OF FINANCE. Second semester. Three credits.

The study and solution of problems relating to simple and compound interest, annuities, amortization, bond valuation, sinking funds, and depreciation. Prerequisite, 1. This course is required of Commerce students, but may be taken by other students as an elective.

MILITARY SCIENCE AND TACTICS

(See detailed description on pages 42, 43, 44, 45.)

MODERN LANGUAGES

PROFESSOR BULGER, ASSISTANT PROFESSORS REED AND KOTZ,
MISS ROGERS, MISS FANNING

Entrance: Candidates for entrance presenting but one year of Modern Language, with a grade of 85%, may take the second year on trial. If the grade was lower than 85%, they must take the first year over, and will receive only half credit for the work.

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

High School credits	Course entered in college	Credit given
1 unit	Second year	Full credit
	First year	Half credit
2 units	Second year	Full credit
	First year	No credit
3 units	Third year	Full credit
	Second year	Half credit
	First year	No credit
4 units	Third year	Full credit
	Second year	No credit

Major: The minimum for a major in this department is 24 hours of German, French or Spanish, including freshman work.

Minor: The required minor of 18 hours will ordinarily be in one or two other foreign languages.

FRENCH

ASSISTANT PROFESSORS REED AND KOTZ, MISS FANNING

1-2. **BEGINNING FRENCH.** Both semesters. Four credits each semester. The work in the first semester includes a thorough study of grammar, with special emphasis upon dictation and oral work. In the second semester, work in grammar is continued with the reading of two hundred or more pages of French.

3-4. **SECOND YEAR FRENCH.** Both semesters. Three credits each semester.

This course reviews grammar and stresses idioms and irregular verbs. It includes the reading of stories and plays, with a required resumé of each written in French. Prerequisite, 1-2.

5-6. **THIRD YEAR FRENCH: THE FRENCH NOVEL.** Both semesters. Three credits each semester.

The work includes the reading and study of eight or nine leading novels of the nineteenth century. Prerequisite, 3-4.

7-12. **ADVANCED FRENCH.** Both semesters. Three credits each semester. This course will be chosen from the following list: 7-8, The French Drama of the 17th Century; 9-10, Modern Literature; 11-12, A Survey of French Literature. Prerequisite, 5-6.

SPANISH

MISS ROGERS, MISS FANNING

1-2. **BEGINNING SPANISH.** Both semesters. Four credits each semester. This course is designed to give intensive training in composition, dictation, conversation, and the reading of simple prose.

3-4. **SECOND YEAR SPANISH.** Both semesters. Three credits each semester.

This course includes a review of grammar, with dictation, conversation, and the reading of several texts. Prerequisite, 1-2.

7-8. **THE SPANISH DRAMA.** Both semesters. Three credits each semester.

The first semester includes the study of the Spanish drama of the seventeenth century, followed by the reading of selected plays of the nineteenth century and the present epoch, in the second semester. Collateral assignments and reports are required throughout the year, as well as dictation and resúmes in Spanish. Prerequisite, 3-4 or the equivalent with a grade not lower than B.

9-10. **THE SPANISH NOVEL.** Both semesters. Three credits each semester.

This course includes the reading of Don Quixote and representative works of Spanish novelists of the nineteenth and twentieth centuries. This course and 7-8 are given in alternate years. Prerequisite, 3-4, or equivalent with a grade not lower than B. Not offered in 1929-30.

THE UNIVERSITY OF AKRON

GERMAN

PROFESSOR BULGER, ASSISTANT PROFESSOR KOTZ

1-2 FIRST YEAR GERMAN. Both semesters. Four credits each semester. This course is designed for beginners and consists of grammar and easy readings, with practice in speaking and writing German.

3-4. SECOND YEAR GERMAN. Both semesters. Three credits each semester.

In this course a review of grammar is given with advanced readings of prose and verse. Special emphasis is put upon the practice of writing and speaking German. Prerequisite, 1-2.

5-14. ADVANCED GERMAN. Both semesters. Three credits each semester.

At least one of the following advanced courses will be offered; 7-8, Schiller; 9-10, Goethe; 11-12, History of German Literature; 13, Lessing, and 14, Modern Drama; 5, German Daily Life, and 6, The Short Story. Prerequisite, 3-4.

MUSIC

(See detailed description on pages 46 and 47.)

PHILOSOPHY

PROFESSOR OLIN

Major: A full major is given in the department, consisting of Philosophy, Ethics, Psychology, Logic. Twenty-four hours are required.

Students majoring in the department must take the work in the following sequence: Logic, freshman or sophomore year; Psychology, sophomore year; Introduction to Philosophy, junior year; Problems of Philosophy, senior year; Ethics, junior or senior year.

1-2. PSYCHOLOGY. Both semesters. Three credits each semester.

This is an introductory course covering the whole subject. Experiment and seminar work accompany the text. The text is Essentials of Psychology, by Pillsbury.

*3-4. ETHICS. Both semesters. Three credits each semester.

This is a study of the ideals and standards of conduct, the development of the individual life, and the laws of moral progress. Textbooks: MacKenzie and Valentine. Prerequisite, Psychology 1-2.

*5-6. INTRODUCTION TO PHILOSOPHY. Both semesters. Three credits each semester.

This is an elementary course in the history and scope of Philosophy, the nature of reality and knowledge, the categories of the understanding, and the relation of consciousness to the external world. Textbook: Fletcher's Introduction to Philosophy. Prerequisite, Psychology 1-2.

*7. PROBLEMS OF PHILOSOPHY. First semester. Three credits. Prerequisite, 5-6.

*Open only to juniors and seniors.

10. LOGIC. Second semester. Three credits.

Logic deals with the science of reasoning and the methods of research. It should be taken in the sophomore year, but is open to all upper classmen.

PHYSICAL EDUCATION

PROFESSOR FRED S. SEFTON, *Director*; ASSISTANT PROFESSOR BLAIR, MR. SMITH, MR. LIPPS, MISS DUNCKLEY, DR. HOTTENSTEIN

All freshmen and sophomores are required to take two hours of physical training each week.

The physical education program is based on the progressive system, beginning with the less difficult work in the freshman year and working up to the more highly organized work in the sophomore year.

PHYSICAL TRAINING FOR MEN

The men's physical education program is divided into three parts: viz., a Fall outdoor season, a Winter indoor season, and a Spring outdoor season.

The work of the Fall season consists of those sports which are most popular in the Autumn, such as football modified to suit the physical conditions of the students, soccer ball, and speedball. In addition there is a series of efficiency tests aiming to ascertain the muscular ability and coordination of the student.

The Winter indoor program consists of tactics, calisthenics, apparatus work, and the popular indoor sports, such as basketball and volleyball. In addition there are special classes in boxing and in corrective exercise.

The Spring outdoor program consists of special track instruction for the students, the popular spring sports such as baseball, tennis, and volleyball, and a series of efficiency tests aiming to ascertain the degree of improvement the student has made during the year.

PHYSICAL TRAINING FOR WOMEN

There is a similar division in the physical education program for women. During the Fall season the time is given to such outdoor sports as hockey and soccer, leading up to the class tournaments.

From Thanksgiving on is the Indoor season, during which class work in the gymnasium and various indoor sports are stressed, and there are class and intra-mural tournaments in basketball and volleyball.

The Spring season is devoted to such outdoor sports as baseball, track, tennis, and volleyball, ending with class tournaments in baseball.

COURSES OFFERED

1-2. PHYSICAL TRAINING FOR FRESHMEN. Both semesters. Two hours a week. One credit each semester.

A required course for all first year students.

3-4. PHYSICAL TRAINING FOR SOPHOMORES. Both semesters. Two hours a week. One credit each semester.

A required course for all second year students.

PHYSICS

PROFESSOR HOUSEHOLDER, ASSISTANT PROFESSOR ROLLEFSON, MR. FOUTS

In order to adapt the instruction in physics to the regular four credits per semester schedule, the general introductory course is distributed over three semesters, designated as Physics 1, Physics 2, and Physics 3. The first and third courses are given in the first semester, and the second course in the second semester. These courses may be taken in any order, but the student will find it necessary to complete all three courses in order to get a general survey of the subject. Neither Physics 1 nor Physics 2 is open to junior or senior students. For such students Physics 19 and 20 are provided, courses in which more emphasis is placed upon the applications of physics, and for which the freshman mathematics is a prerequisite.

The general survey courses are followed by Physics 4 to 7 inclusive, which are more advanced and detailed treatments of the separate divisions of physics. These courses are followed by the much more advanced and theoretical courses, Physics 11 to 16 inclusive, which require advanced mathematics and are open only to students who have had the preceding courses or their equivalent. These courses may be used for graduate credit. Physics 8 to 10 inclusive are described in the list of courses for instruction. Courses 51 to 56 inclusive are more technical in nature, and are given on the co-operative basis for students in the College of Engineering and Commerce.

Major: Students wishing to major in Physics are required to complete a minimum of 32 hours in Physics, 18 hours in Mathematics, and 8 hours in Chemistry. In addition to the standard requirements for the freshman year, the electives must include 6 hours in Literature or Speech; 6 hours in History, Political Science, or Economics; 6 hours in Psychology or Sociology; and two years of foreign language. While the selection of the minor is left to the student, it is recommended that the prerequisites in Mathematics and Chemistry be used to satisfy this requirement, and thus provide more freedom in the selection of free electives.

In order to assist the student in arranging his work, the Physics course is outlined by semesters:

FRESHMAN YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Rhetoric 1	3	Rhetoric 2	3
Human Biology	3	Problems of Citizenship.....	3
Physics 1	4	Physics 2	4
Mathematics 1	4	Mathematics 2	4
Physical and Military Training.....	2	Physical and Military Training.....	2

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Physics 3	4	Physics 4	4
Mathematics 3	2	Mathematics 4	2
Mathematics 5	3	Mathematics 6	3
German 1	4	German 2	4
Physical and Military Training.....	2	Physical and Military Training.....	2
Electives	2	Electives	2

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Physics 5	4	Physics 6	4
Chemistry 1	4	Chemistry 2	4
German 3	3	German 4	3
Electives	5 or 6	Electives	5 or 6

SENIOR YEAR

	First Semester	Cr. Hrs.		Second Semester	Cr. Hrs.
Physics 11		2	Physics 12		2
Electives		14	Electives		14

While this course is not absolutely rigid, it is believed that by following it the student will work more efficiently and satisfactorily.

1. GENERAL INTRODUCTORY PHYSICS: MECHANICS. First semester. Four credits.

Two lectures and two laboratory-recitation periods per week.

PROFESSOR HOUSEHOLDER AND ASSISTANTS

2. GENERAL INTRODUCTORY PHYSICS: HEAT, ELECTRICITY, MAGNETISM. Second semester. Four credits.

Two lectures and two laboratory-recitation periods per week.

PROFESSOR HOUSEHOLDER AND ASSISTANTS

3. GENERAL INTRODUCTORY PHYSICS: LIGHT AND SOUND. First semester. Four credits.

Two lectures and two laboratory-recitation periods per week.

PROFESSOR HOUSEHOLDER AND ASSISTANTS

- 11-12. GENERAL PHYSICS FOR JUNIOR AND SENIOR STUDENTS WHO HAVE NOT HAD PHYSICS 1, 2, AND 3. Four credits per semester.

As stated in the introductory paragraph, this course is for junior and senior students who have not taken the general introductory course in the freshman or sophomore year. It is somewhat more advanced than the other courses, and requires the freshman mathematics. Three recitations and one laboratory period per week.

ASSISTANT PROFESSOR ROLLEFSON

4. HEAT. Second semester. Four credits.

Three recitations and one laboratory period per week.

MR. FOUTS

5. ELECTRICITY AND MAGNETISM. First semester. Four credits.

Three recitations and one laboratory period per week.

ASSISTANT PROFESSOR ROLLEFSON

6. ADVANCED ELECTRICITY AND MAGNETISM. Second semester. Four credits.

Two recitations and two laboratory periods per week.

ASSISTANT PROFESSOR ROLLEFSON

7. LIGHT. First semester. Four credits.

Two recitations and two laboratory periods per week.

PROFESSOR HOUSEHOLDER

8. ELECTRICAL THEORY OF MATTER. Second semester. Two credits.

A review of the experimental evidence that has led to the establishment of the electron theory; its development, and its use in explanation of the phenomena of everyday life.

PROFESSOR HOUSEHOLDER

9-10. ADVANCED PHYSICAL MEASUREMENTS. Two credits per semester.

This is a laboratory problem course covering the determination of some of the more important physical constants. The work will be of an individual character and will be given to emphasize the art of careful laboratory work.

19-20. ADVANCED MECHANICS. Two credits per semester.

Two lectures per week. A mathematical treatment of the problems of dynamics.
PROFESSOR HOUSEHOLDER

21-22. THERMODYNAMICS. Two credits per semester.

An advanced treatment of the problems of thermodynamics consisting of two lectures per week. This course will be given in alternate years only.
ASSISTANT PROFESSOR ROLLEFSON

23-24. INTRODUCTION TO THEORETICAL PHYSICS. Two credits per semester.

A beginning course in mathematical physics to be given alternately with Physics 21 and 22.
ASSISTANT PROFESSOR ROLLEFSON

The following courses are for students in the College of Engineering and Commerce.

51-52. FRESHMAN MECHANICS.

Three recitations and four hours of laboratory work per week.
MR. FOUTS AND ASSISTANTS

53-54. SOPHOMORE MECHANICS.

Four recitations and four hours of laboratory work per week.
ASSISTANT PROFESSOR ROLLEFSON AND ASSISTANTS

55. HEAT.

Three recitations and four hours of laboratory work per week.
MR. FOUTS

56. WAVE MOTION, SOUND AND LIGHT.

Three recitations and four hours of laboratory work per week.
PROFESSOR HOUSEHOLDER

POLITICAL SCIENCE

PROFESSOR CRECRAFT, ASSISTANT PROFESSOR STEADMAN, MR. KING

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

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

Minor: Eighteen hours (exclusive of group electives) in one or two departments other than the major department. These departments ordinarily will be (1) Sociology and Economics (or Commerce), and (2) History. Selection of minor subjects must be approved by the department.

I. ELEMENTARY COURSES—PRIMARILY FOR FRESHMEN

1. PROBLEMS OF CITIZENSHIP. Either semester. Three credits.

A group of selected problems of citizenship with equal emphasis on social, economic, and political phases. An introductory course in political and social science, based on texts, readings, and discussions. Required of all freshmen in the Liberal Arts course. May not be taken to satisfy a minor requirement in political science.

PROFESSOR CRECRAFT, ASSISTANT PROFESSOR STEADMAN, MR. KING

2. AMERICAN GOVERNMENT. Either semester. Three credits.

This course gives the student an introductory survey of the basic principles and the practical administration of the American Government. Although required only of Teachers College and Commerce freshmen, the course may be taken by Arts students and be counted toward a major or minor requirement in political science. This is the only elective course in the department open to freshmen.

PROFESSOR CRECRAFT, ASSISTANT PROFESSOR STEADMAN, MR. KING

II. INTERMEDIATE COURSES—PRIMARILY FOR SOPHOMORES

At the beginning of his sophomore year all courses in the intermediate group are open to the student, provided he has had Problems of Citizenship.

3. ELEMENTS OF POLITICAL SCIENCE. First semester. Three credits.

A survey of the field of political science. This course is fundamental and is open to upper classmen. Students who have completed American Government, however, are not admitted—both courses being regarded as introductory.

PROFESSOR CRECRAFT

4. COMPARATIVE GOVERNMENT. Second semester. Three credits.

This course is to introduce the student to the essential features of the government and politics of foreign lands. Open to all upper classmen.

PROFESSOR CRECRAFT

5-6. MUNICIPAL GOVERNMENT AND ADMINISTRATION. Both semesters. Three credits each semester.

This course emphasizes municipal government the first semester, and municipal administration the second. Open to all upper classmen.

ASSISTANT PROFESSOR STEADMAN

7. AMERICAN POLITICAL PARTIES. First semester. Three credits.

This course aims to give the student a general survey of political parties in the United States, including their structure, composition, problems, and services. Open to all upper classmen.

MR. KING

III. ADVANCED UNDERGRADUATE COURSES

10. LEGISLATIVE PROCEDURE. Second semester. Three credits.

This course alternates with Public Administration. Prerequisite, Problems of Citizenship together with another of the elementary or intermediate courses in political science. Not offered in 1929-1930.

MR. KING

14. PUBLIC ADMINISTRATION. Second semester. Three credits.

This course is intended to give an understanding of the strictly administrative work of the federal and state governments. It is given every other year, alternating with Legislative Procedure. Prerequisite, Problems of Citizenship together with another of the elementary or intermediate courses in political science.

MR. KING

19. CONSTITUTIONAL LAW. First semester. Three credits.

A study of the U. S. Constitution based on the case book method. Text: Evan's Cases on Constitutional Law, Second Edition. Prerequisite, Problems of Citizenship together with another of the intermediate or elementary courses in political science.

PROFESSOR CRECRAFT

20. GOVERNMENT AND BUSINESS. Second semester. Three credits.

This course presents the subject of government from the point of view of its relation to business and occupational interests. It is a general survey of all that government does to promote and control business life. Prerequisite, Problems of Citizenship together with another of the elementary or intermediate courses in political science, or a course in commerce.

PROFESSOR CRECRAFT

13. GOVERNMENT AND SOCIAL WELFARE. First semester. Two credits.

The subject of government is presented in this course from the point of view of its part in promoting social welfare. It is a study of the most important legislative, administrative, and judicial measures which have a direct bearing on the care of defective, delinquent, and dependent classes of society. Prerequisite, Problems of Citizenship together with an intermediate course in political science, an elementary course in same, or a course in sociology.

PROFESSOR CRECRAFT

15. GOVERNMENT OF METROPOLITAN AREAS. First semester. Two credits.

A study of the problems arising from lack of unity in the governments of our large urban communities, where urban population has spread over town, city, township, and state boundaries. Prerequisite, Problems of Citizenship together with another of the elementary or intermediate courses in political science.

ASSISTANT PROFESSOR STEADMAN

21. POLITICAL THEORY. First semester. Three credits.

A study of the content and nature of political thought from the ancients down to the present day. Special emphasis on contemporary theories of government. Prerequisite, Problems of Citizenship together with another of the elementary or intermediate courses in political science.

MR. KING

22. MUNICIPAL CORPORATIONS. Second semester. Three credits.

The legal position of the city; relation of city to state; powers, duties, and liabilities of city officers. A case book course in public law. Pre-

requisite, Problems of Citizenship together with some one additional course in political science from the elementary or intermediate group. This course alternates with Municipal Finance.

ASSISTANT PROFESSOR STEADMAN

24. MUNICIPAL FINANCE. Second semester. Three credits.

A study of municipal taxation, municipal expenditures, and municipal indebtedness, stressing the point of view of financial administration. Prerequisite, Problems of Citizenship together with some one additional course from the elementary or intermediate group. This course alternates with Municipal Corporations and is not offered in 1929-1930.

ASSISTANT PROFESSOR STEADMAN

25-26. INTERNATIONAL RELATIONS. Both semesters. Three credits each semester. (Course not divisible).

The political and legal aspects of international relations, international policies and organization first semester; international law the second. Prerequisite, Problems of Citizenship together with an elementary or intermediate course in political science.

PROFESSOR CRECRAFT

R. O. T. C.

(See MILITARY TRAINING)

SOCIOLOGY

(See ECONOMICS and SOCIOLOGY)

SPANISH

(See MODERN LANGUAGES)

SPEECH

PROFESSOR HAYWORTH, MISS MCEBRIGHT

Major: 24 hours including 1 and 3. Students majoring in dramatics are required to take Stage Costuming given by the Art Department.

1. PUBLIC SPEAKING. Either semester. Three credits.

A general course in practical public speaking.

PROFESSOR HAYWORTH, MISS MCEBRIGHT

3. INTRODUCTION TO SPEECH SCIENCE. Either semester. Three credits.

A study of the physiology and anatomy of the organs used in speech; the cultivation of better habits of speech; a survey of speech correction; English phonetics. Required in Teachers College.

PROFESSOR HAYWORTH, MISS MCEBRIGHT

12. ADVANCED PUBLIC SPEAKING. Second semester. Three credits.

The problem of public speaking is divided into various types of speaking required in community life, and each is taken up individually. Some types of speeches studied are: speeches of announcement, introduction, welcome, after-dinner speaking, sales talks, inspirational addresses. During the last six weeks the student is allowed, for the most part, to prepare types of speeches he may find most useful.

PROFESSOR HAYWORTH

13-14. **SPEECH COMPOSITION.** Both semesters. Two credits each semester.

In this course emphasis is placed on the fine details of speaking, such as speech construction, language, and style. Examples of good speaking will be studied.

PROFESSOR HAYWORTH

17. **THE ORATION.** First semester. Two credits.

A study of the classic masterpieces of oratory.

MISS MC EBRIGHT

19. **DEBATE.** First semester. One credit.

A general survey of the principles of argumentation as they are applied to enlightened intercollegiate debating; practice in argumentative speaking; and a survey of the question to be used in intercollegiate debates for the current year.

PROFESSOR HAYWORTH, MR. KING

21. **STAGECRAFT.** First semester. Three credits.

A study of the development of the stage, kinds of scenery, methods of production, lighting, scene design, and construction of models.

22. **MAKE-UP.** Second semester. Three credits.

Thorough knowledge of all kinds of theatrical make-up, and proficiency in the ability to make-up one's self and others will be expected. Readings, demonstrations, lectures, and laboratory work constitute the course.

23-24. **ACTING.** Both semesters. Three credits each semester.

Readings in the principles of acting; the preparation of different types of roles; theory and practice in acting with a cast.

25-26. **PLAY WRITING.** Both semesters. Two credits each semester.

A study of the principles of dramatic composition, and the writing of short plays.

29-30. **SEMINAR IN DRAMATICS.** Both semesters. One or two credits each semester.

Each student will pursue any study acceptable to the instructor. If possible, however, the entire group will study one general problem, a different phase being assigned each member of the seminar.

32-33. **INTERPRETATION.** Both semesters. Three credits each semester.

Open to students who have had 1 or 3. The work will consist of memorized readings and reading from the printed page. Dialect, humorous, and dramatic readings will be taken up.

MISS MC EBRIGHT

42. **SPEECH CORRECTION.** Second semester. Three credits.

A study of the nature and treatment of such functional speech defects as stuttering, lisping, baby talk, foreign accent, and dialect, and of organic defects, such as cleft palate, paretic cases, and malocclusion.

PROFESSOR HAYWORTH

5. **PUBLIC SPEAKING.** For Engineering students only.

For description see College of Engineering bulletin and Engineering section of general catalog.

*COMBINATION COURSES

1. AT THE UNIVERSITY OF AKRON

THE ARTS-HOME ECONOMICS COMBINATION COURSE

A combination may be made between the Arts and Home Economics courses by which degrees may be obtained from both schools in a minimum period of five years. This may best be accomplished by spending four years in the Curtis School of Home Economics and an additional year in the College of Liberal Arts. If such combination course be desired, the elective work in the fourth year must be shaped toward the fulfillment of the major and minor requirements in the College of Liberal Arts.

An arrangement is also possible by which the student may spend three years in the College of Liberal Arts and two years in the Curtis School of Home Economics, receiving both degrees. Those planning this combination should consult the Classification Committee at the beginning of the sophomore year in order that the subjects to be taken may be definitely determined, according to the major subject chosen.

By means of a five-year combination course, degrees may be gained from both the School of Home Economics and the Teachers College.

THE ARTS-TEACHERS COMBINATION COURSE

A combination may be made between the Arts and Teachers courses for those expecting to teach. The student who plans for this combination should spend three years in the College of Liberal Arts and two years in Teachers College. The classification Committee will outline with the student the subjects to be taken so as to fit the courses for both degrees. Students planning to teach in Akron should consult the Dean of Teachers College when deciding upon the major, so as to prepare for work in departments needing teachers. All students preparing to do high-school teaching in Akron must complete at least five years of college work.

2. WITH OHIO STATE UNIVERSITY

By special arrangements concluded with the Ohio State University, the University of Akron is enabled to offer combination courses with certain professional schools of the State University. By means of such a course, the student is enabled to shorten by one year the six to eight-year

*No student will be recommended for a combination course unless his average grade for his three years' work in the University of Akron is at least 85%.

period otherwise necessary for the acquirement of both college and professional degrees and training. Generally speaking, the plan contemplates an attendance of three years at the University of Akron with an additional two or three years (depending on the subject chosen) at the State University. During the fourth year of this course (i. e., the first year at Ohio State University) the student is counted as a senior in absentia by the University of Akron, and at the end of this year returns to receive his Bachelor's degree with his class.

The following combinations have been arranged:

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 the Ohio State University. At the end of four years the Bachelor's degree is conferred by the University of Akron for the satisfactory completion of 128 semester hours of work. At the end of six years the student may become a candidate for the degree of Bachelor of Laws at the Ohio State University.

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

THE ARTS-AGRICULTURE COMBINATION COURSE

Total time required, five years, three of which are to be spent at the University of Akron and two at the Ohio State University. At the end of four years' time, the degree of Bachelor of Arts or Bachelor of Science will be conferred by the University of Akron, and at the end of five years the degree of Bachelor of Science in Agriculture by the Ohio State University.

A student must complete 45 quarter hours of work during each of the two years at Ohio State University. This time is to be devoted entirely to agricultural subjects, and must include at least one quarter's work in agricultural chemistry, agricultural engineering, animal husbandry, dairying, entomology, farm crops, horticulture, poultry husbandry, rural economics, and soils. He must also select a major subject in which he takes four consecutive quarters of work. In addition, he will select sufficient agricultural work to complete at least 90 quarter hours.

The requirements in Buchtel College of Liberal Arts under this plan are: three years' residence; 96 semester hours completed at the University of Akron with an average grade of at least 85%, such work to include all freshman, major, and minor requirements for the A. B. or B. S. degree; and sufficient credits from Ohio State University to make a total of 128 semester hours.

3. WITH WESTERN RESERVE UNIVERSITY

THE ARTS-LAW COMBINATION COURSE

A six-year combination course similar to the Arts-Law combination course with Ohio State University previously described.

THE ARTS-MEDICINE COMBINATION COURSE*

By arrangement concluded on February 2, 1914, a combination course has been established between the University of Akron and Western Reserve Medical School. Admission to the School of Medicine is not guaranteed to all applicants, since only a limited number can be accommodated. Application about April 1 for the following year is desirable.

The completion of this course requires seven years, the first three of which are to be spent at the University of Akron, and the last four at Western Reserve University. At the end of four years the degree of Bachelor of Arts or Bachelor of Science will be conferred by the University of Akron; at the end of seven years the degree of Doctor of Medicine will be given by Western Reserve University.

The requirements in Buchtel College of Liberal Arts under this plan are: three years' residence; 96 semester hours completed at the University of Akron with an average grade of at least 85%, such work to include all freshman, major, and minor requirements for the A. B. or B. S. degree; and sufficient credits from Western Reserve Medical School to make a total of 128 semester hours.

The following subjects taken at Buchtel College are necessary for entrance to the medical school:

Chemistry: The equivalent of at least one and a half years of college work of a value of not less than 12 semester hours, of which at least 4 must be organic chemistry. The 12 semester hours must include at least 5 of laboratory work, of which 1 must be organic chemistry.

Physics: The equivalent of at least one year of collegiate work of a value of not less than 8 semester hours, of which at least 2 shall be laboratory work.

Biology, Zoology and Botany: The equivalent of at least one year of collegiate work of a value of not less than 8 semester hours, of which at least 4 shall be laboratory work.

It is strongly urged that prospective medical students take, in addition to the required minimum of biology as stated, a course of at least three semester hours in comparative vertebrate anatomy, inasmuch as this course is not given in the medical curriculum.

German or French: A total of not less than 8 semester hours. One unit of high school work may be counted as 2 hours of this requirement, but there shall be at least 6 semester hours of collegiate work in one language.

*This course is here detailed as typical of a combination possible with the large majority of medical schools.

English: A total of not less than 6 semester hours.

All of the requirements indicated above may be fulfilled in a space of three years. The following plan is suggested:

First Year: Regular freshman scientific course.

Second Year: Zoology and Botany, 8 hours; Chemistry, 4 hours; Physics with laboratory, 8 hours; German or French sufficient to make with freshman work a total of at least 8 credit hours.

This completes the requirements made by the medical school. The remainder of time should be given to the completion of the major and minor requirements of Buchtel College.

THE ARTS-DENTISTRY COMBINATION COURSE

This course includes seven years—three at the University of Akron, and four at the School of Dentistry.

The General Requirements in Buchtel College of Liberal Arts are three years' residence, 96 semester hours' credit with an average grade of at least 85%, and the completion of all freshman, major, and minor requirements for the A. B. or B. S. degree.

The following subjects must be included: Chemistry 1-2 or 3-4, Biology 1-2, English 1-2; also Physics 1-2, if the student did not offer one unit of High School Physics for entrance. (Students entering the School of Dentistry in the fall of 1929, or later, must have had in addition at least 3 hours of Organic Chemistry).

While not required, the following subjects are recommended for all pre-dental students: Vertebrate Anatomy, Psychology, Ethics, Sociology, Free-hand Drawing.

On the satisfactory completion of his first year at the School of Dentistry, the student will receive the degree of Bachelor of Arts or Bachelor of Science with his class at the University of Akron.

4. COMBINATION COURSES WITH OTHER SCHOOLS

THE ARTS-NURSING COURSE

Any student who has been in residence at the University of Akron for at least three years, and who has made an average grade of 85% in at least 96 semester hours in the regular course in Buchtel College, with major in biology, and with all required subjects completed, may receive the degree of A. B. from the University of Akron upon the satisfactory completion of the course in any first grade training school for nurses.

By this arrangement it is made possible for the candidate to secure both the college degree and the nurse's certificate in six years.

Such an arrangement has been definitely entered into with Lakeside Hospital Training School for nurses, Cleveland.

WITH MEDICAL SCHOOLS

The University of Akron will enter into combination courses with any of the medical schools of the highest class, as fixed by the standards of the American Medical Association.

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. The approval of such courses rests with the dean of Buchtel College and the committee on classification. In making such combinations, the University of Akron will insist on the fulfillment of the general requirements of three years' residence at Akron; the completion of 96 semester hours at the University of Akron, including all required majors and minors; and the completion of a total of 128 semester hours for graduation.

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

CURTIS SCHOOL OF HOME ECONOMICS

SARAH E. STIMMEL, A. M., *Director*

GENERAL INFORMATION

The Curtis School of Home Economics was established in 1914. It occupies the building known as Curtis Cottage, made possible by gifts from the late William Pitt Curtis, of Wadsworth, Ohio, and from many citizens of Akron. Besides the necessary laboratories for work in Home Economics, the building houses a cafeteria.

ADMISSION

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

Candidates for unconditional admission must present at least 15 units of secondary school work. No student will be admitted with entrance conditions amounting to more than one unit. Students conditioned in entrance subjects shall not be allowed to carry more than twelve semester hours of college work.

ENTRANCE REQUIREMENTS

English	3	units
Mathematics (Algebra 1, Pl. Geom. 1)	2	units
*Foreign Language	2	units
U. S. History and Civics	1	unit
Science	1	unit
Elective	5½	units

COURSE OF STUDY

The course in Home Economics requires four years of regular university work and is planned to meet the practical needs of women students. It combines a thorough training in those branches of science essential to intelligent home management with the broadest possible cultural education and forms a basis for those who wish to specialize in Home Economics or other lines of work. Four years in Curtis School and one year in Teachers College provide a training for those who may wish to become teachers of the subject.

The time of the student is about equally divided in purely Home Economics subjects, the sciences, the subjects of a general interest, and purely electives.

The demand for women trained in Home Economics offers a growing and attractive field of work.

*These two required units must be in one language.

REQUIREMENTS FOR MAJOR

Requirements for a Major in General Home Economics are: Forty semester hours of actual Home Economics work from courses offered in the department, including courses 1, 2, 5, 6, 11, 15, 16, 17, 18, 19, 20, 25, 26; 16 hours of science besides Chemistry 1 and 2; Art, including courses 1, 2, 6, 7, and 20 hours of minors from the following subjects: English (above Freshman Rhetoric) 6, Psychology 6 or Sociology 6, Language (above first year) 4 or 6, History 4 or 6, or Economics 6. Three hours of Speech are required.

Students interested in Dietetics should include in their curriculum courses 21 and 22 in Home Economics.

DEGREES

For the completion of the four-year course in Home Economics (128 semester hours are required for graduation) the degree of Bachelor of Science in Home Economics will be conferred. By means of five-year combination courses, degrees may be obtained from both the School of Home Economics, and either the College of Liberal Arts or the Teachers College, but candidates for such combination courses must announce their intention at the end of the junior year.

MATERIALS

Students provide their own materials in all Art and Clothing Courses and in Seminar.

SUGGESTED OUTLINE OF COURSE

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology 1	4	Biology 2	4
Home Economics 1	2	Home Economics 2	2
Art 1	2	Art 2	2
*Modern Language	3 or 4	*Modern Language	3 or 4
English 1	3	English 2	3
Physical Training	1	Physical Training	1
	<hr/>		<hr/>
	15 or 16		15 or 16

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Chemistry 1	4	Chemistry 2	4
Home Economics 9	2	Home Economics 10	3
History or Economics	2 or 3	History or Economics	2 or 3
English	3	English	3
*Modern Language	3	*Modern Language	3
Art 6	2	Art 7	2
	<hr/>		<hr/>
	16 or 17		17 or 18

*Modern Language must consist of two years in one language.

THIRD YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Chemistry 7	4	Chemistry 8	4
Home Economics 5	3	Home Economics 6	3
Home Economics 15	4	Home Economics 16	4
Home Economics 19	3	Home Economics 20	3
Psychology or Sociology	3	Psychology or Sociology	3
	17		17

FOURTH YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Bacteriology or Physics	4	Bacteriology or Physics	4
Home Economics 25	3	Home Economics 26	3
Home Economics 17	3	Home Economics 18	3
Home Economics 11	2	Public Speaking	3
**Physiology 9	4	**Physiology 10	4
	16		17

Elective studies must be chosen sufficient in number to complete a total of 128 hours.

SUBJECTS OF INSTRUCTION

All courses offered primarily for students of the School of Home Economics may be elected by students in the College of Liberal Arts only under the restrictions imposed by that college.

HOME ECONOMICS

PROFESSOR STIMMEL, MISS LATHROP

1-2. TEXTILES AND CLOTHING. Both semesters. Two credits each semester.

A study of the standard textile fibers. Emphasis on factors which influence the wearing quality of fabrics. Simple tests for judging materials. Fundamental processes in garment construction. Use and care of sewing machine and attachments. The use of commercial patterns. Construction work includes simple articles, undergarments and dresses made from cotton and linen materials. MISS LATHROP

5-6. DRESS. Both semesters. Three credits each semester.

Art elements and principles are studied and applied to dress design. Line, color, and texture for different individuals. Garments are made from wool materials using commercial patterns. The work of the second semester includes the preparation of a dress form. Street, afternoon, and evening gowns of silk are draped on the figure. The course aims to develop originality in design and independence and skill in construction. MISS LATHROP

9. MILLINERY. First semester. Two credits.

A study of art principles as they apply to millinery with special emphasis on suitability to wearer and to costume. Hats are designed and made

**Offered 1929-30 and alternate years to women.

from felt, silk, velvet, ribbon, and straw. A study is made of special millinery materials, the history of millinery, books on the subject, and renovation of materials. MISS LATHROP

10. HISTORIC COSTUME. Second semester. Three credits.

The development of costume is traced from early times to the present. The course deals with a study of costume as an expression of the social, religious, and economic thought of the time, and the part which it plays as an inspiration for modern designing. MISS LATHROP

11. SURVEY. First semester. Two credits.

This is a general survey of the education of women from early times to the present. It includes a study of the development of the Home Economics movement and the opportunities, other than teaching, which are open to women trained in Home Economics. MISS LATHROP

15-16. FOODS. Both semesters. Four credits each semester.

Food selection and preparation, general properties of food stuffs, and food values in relation to cost are studied. Recitation and laboratory are included in this course. Also Table and Meal Service. Fee, \$7.00 per semester. PROFESSOR STIMMEL

17-18. HOUSE. Both semesters. Three credits each semester.

A study of the family as the basic unit of society. A survey of the modern home with emphasis on its organization and the administration of its activities. Study of family incomes and expenditures. Budgets for different income levels. Economical and artistic furnishings and decoration of the home. MISS LATHROP

19-20. NUTRITION. Both semesters. Three credits each semester.

This course is a study of the chemistry of foods and the processes of nutrition. It includes a study of the nutrition of children as to requirements for energy, calcium, iron, phosphorus and vitamins. It is a recitation class. PROFESSOR STIMMEL

29-30. SEMINAR. Both semesters. One credit each semester.

This course is open only to upper classmen. PROFESSOR STIMMEL

21-22. DIETETICS. Both semesters. Two credits each semester.

This course is a quantitative study of food materials. It explains the problems involved in the calculation of food values and food requirements, and the construction of dietaries. It is a study of dietary standards, and of infant and invalid cookery. PROFESSOR STIMMEL

25-26. CHILD CARE. Both semesters. Three credits each semester.

This course makes a study of the principles relating to the hygiene, care, and training of the physical, mental, and moral development of the infant and pre-school age child, involving preventive and constructive problems of child welfare. The second semester is a continuation of child care problems and also deals with home nursing as distinct from the more elaborate technique of hospital nursing. PROFESSOR STIMMEL

COLLEGE OF ENGINEERING AND COMMERCE

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

GENERAL INFORMATION

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

In 1921 the Department of Commerce and Administration became a department of the Engineering College and the name of the latter was changed to the College of Engineering and Commerce.

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

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

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

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

In order to conduct a co-operative course, the college must be located in or near an industrial center, and, while there are over six hundred colleges and universities in the United States, yet comparatively few of them are so located that such a course is practicable. Akron is essentially

a manufacturing center, and this type of vocational education was selected as being the latest and the one best adapted to the city's needs; therefore no other courses in Engineering are offered.

OUTSIDE WORK

The Department of Co-ordination and the employer so plan the work that the student gets a carefully graded training, beginning with work requiring no skill or experience and ending with actual professional work.

Each student's work assignment is an individual problem. Scholastic records, work reports, conferences, and shop visits are all utilized by co-ordinators in an effort to give each student the type of practical experience which best suits his particular needs.

While at work, co-operative students are kept in constant touch with the college by means of home study courses, work reports, and co-ordinators' shop visits. The home study courses consist of weekly assignments in engineering problems which preserve continuity in the study habit. Weekly work reports are prepared in diary form and contain a daily account of the student's practical experience. These reports provide a constant check upon the student's progress on his outside employment.

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

WAGES

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

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

DEGREES

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

MILITARY TRAINING

Military training under the direct supervision of the United States Government is required of all male students physically fit. Men entering the College of Engineering and Commerce are exempt only if they have

been two years in attendance at another institution of collegiate grade. It takes two years to complete the basic course on the co-operative or part-time plan. All freshmen are urged to attend the basic camp at the end of the freshman year and satisfactory arrangements have been made in the summer school for such attendance.

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

ADMISSION

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

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

ENTRANCE REQUIREMENTS

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

The requirement for unconditional entrance is 15 units.

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

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

ENTRANCE REQUIREMENTS FOR TWO-YEAR COURSE IN SECRETARIAL SCIENCE

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

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

Minimum total credits required..... 15 units

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

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

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

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

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

ESTIMATED EXPENSE OF FRESHMAN YEAR

FIRST SEMESTER		
	Resident	Non-Resident
Tuition _____	Free	*\$ 90.00
Fees _____	\$49.00	49.00
Books and Drawing Instruments _____	40.00	40.00
Total _____	\$89.00	\$179.00
SECOND SEMESTER		
	Resident	Non-Resident
Tuition _____	Free	*\$ 90.00
Fees _____	\$43.00	43.00
Books _____	8.00	8.00
Total _____	\$51.00	\$141.00
SUMMER TERM		
	Resident	Non-Resident
Tuition _____	Free	\$ 25.00
Fees _____	\$ 2.00	2.00
Books _____	5.00	5.00
Total _____	\$ 7.00	\$ 32.00

Board and room can be obtained for approximately \$10 per week.

DEPARTMENT OF INSTRUCTION

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

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

The general arrangement of courses on the following pages is according to this order:

ENGINEERING: Civil Engineering, Electrical Engineering, Mechanical Engineering, Industrial Engineering, General Courses for Engineering students.

COMMERCE: Business Administration, General Courses for Commerce students, Secretarial Science.

MILITARY AND PHYSICAL TRAINING.

MUSIC.

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

**ENGINEERS'
WORK CALENDAR**

1929	S	M	T	W	T	F	S	1930	S	M	T	W	T	F	S
APR.	.....	.....	.....	.....	11	12	13		13	14	15	16	17	18	19
	14	15	16	17	18	19	20		20	21	22	23	24	25	26
	21	22	23	24	25	26	27		27	28	29	30	31	1	2
	28	29	30	1	2	3	4	NOV.	3	4	5	6	7	8	9
MAY	5	6	7	8	9	10	11		10	11	12	13	14	15	16
	12	13	14	15	16	17	18		17	18	19	20	21	22	23
	19	20	21	22	23	24	25		24	25	26	27	28	29	30
	26	27	28	29	30	31	1	DEC.	1	2	3	4	5	6	7
JUN.	2	3	4	5	6	7	8		8	9	10	11	12	13	14
	9	10	11	12	13	14	15		15	16	17	18	19	20	21
	16	17	18	19	20	21	22		22	23	24	25	26	27	28
	23	24	25	26	27	28	29		29	30	31	1	2	3	4
JUL.	30	1	2	3	4	5	6	JAN.	5	6	7	8	9	10	11
	7	8	9	10	11	12	13		12	13	14	15	16	17	18
	14	15	16	17	18	19	20		19	20	21	22	23	24	25
	21	22	23	24	25	26	27		26	27	28	29	30	31	1
	28	29	30	31	1	2	3	FEB.	2	3	4	5	6	7	8
AUG.	4	5	6	7	8	9	10		9	10	11	12	13	14	15
	11	12	13	14	15	16	17		16	17	18	19	20	21	22
	18	19	20	21	22	23	24		23	24	25	26	27	28	1
	25	26	27	28	29	30	31	MAR.	2	3	4	5	6	7	8
SEP.	1	2	3	4	5	6	7		9	10	11	12	13	14	15
	8	9	10	11	12	13	14		16	17	18	19	20	21	22
	15	16	17	18	19	20	21		23	24	25	26	27	28	29
	22	23	24	25	26	27	28		30	31	1	2	3	4	5
	29	30	1	2	3	4	5	APR.	6	7	8	9	10	11	12
OCT.	6	7	8	9	10	11	12		13	14	15	16	.....	.....	.....

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

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

**CALENDAR
FOR
CO-OPERATIVE ENGINEERS
1929-30**

Division A

April 15 to July 20.....	In Industry
July 22 to Aug. 17.....	In School
Aug. 19 to Sept. 14.....	On Vacation
Sept. 16 to Nov. 16.....	In School
Nov. 18 to Feb. 1.....	In Industry
Feb. 3 to Apr. 5.....	In School
Apr. 7 to July 19.....	In Industry

Division B

Apr. 15 to June 15.....	In School
June 17 to June 22.....	On Vacation
June 24 to July 20.....	In School
July 22 to Nov. 16.....	In Industry
Nov. 18 to Dec. 21.....	In School
Dec. 23 to Jan. 4.....	On Vacation
Jan. 6 to Feb. 1.....	In School
Feb. 3 to Apr. 5.....	In Industry
Apr. 7 to Apr. 12.....	In School
Apr. 14 to Apr. 19.....	On Vacation
Apr. 21 to June 14.....	In School
June 16 to June 21.....	On Vacation
June 23 to July 19.....	In School

ENGINEERING

OUTLINE OF COURSES FOR FRESHMEN

The freshman courses listed below are the same for all departments of engineering. All freshmen attend the University full time (18 weeks) during the first semester, and half time (9 weeks) during the second semester. The other 9 weeks of the second semester are spent in engineering practice.

Students entering in February may overtake September freshmen by remaining in classes full time for two semesters.

Students will be granted credit for only one summer military camp. This camp should be attended during the summer following the freshman year.

FRESHMAN YEAR

FIRST SEMESTER	First 9 weeks Hrs. per week	Second 9 weeks Hrs. per week
Military Training _____	2	2
Physical Training _____	1	1
Orientation Co-ord. 1-2 _____	1	1
Review of Mathematics* _____	6	
Mathematics 51 _____		6
Review of English Composition* _____	5	
English Composition 81 _____		4
Physics 51 _____	5	
Elementary Engineering Drawing 3 _____		4
Surveying C. E. 1 _____		3

SECOND SEMESTER	First or Second 9 weeks Hrs. per week
Military Training _____	2
Physical Training _____	1
Mathematics 52 _____	6
Physics 52 _____	5
Projection Drawing M. E. 4 _____	4
English Composition 82 _____	4
Co-ordination 22 _____	2

SUMMER TERM	Hrs. per week
Mathematics _____	6
Surveying C. E. 4 _____	14
Inspection Trips, Co-ordination 71 _____	12

*No college credit.

CIVIL ENGINEERING

The 22 hours for each summer term are equal to 10 semester credit hours (Co-operative basis).

FRESHMAN YEAR

(See General Outline of Engineering Courses for Freshmen on Page 98.)

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Training	2	Military Training	2
Physical Training	1	Physical Training	1
Mathematics 53	5	Mathematics 54	5
Physics 53	6	Physics 54	6
Descriptive Geometry M. E. 8	6	Descriptive Geometry M. E. 9	2
Public Speaking 91	2	Power Plants M. E. 21	5
Engineering Problems Co-ord. 31	2	Public Speaking 92	2
		Engineering Problems Co-ord. 32	2

SUMMER TERM		Hrs. per week
Structural Drawing C. E. 10		14
Mathematics 55		6
Inspection Trips, Co-ordination 72		2

PRE-JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Chemistry 33	7	Chemistry 34	7
Mathematics 56	3	Mathematics 57	3
Physics 55	5	Strength of Materials C. E. 16	6
Roofs and Bridges C. E. 12	6	Materials Laboratory C. E. 18	3
Engineering Problems, Co-ord. 41	2	Roofs and Bridges C. E. 14	2
		Engineering Problems Co-ord. 42	2

SUMMER TERM		Hrs. per week
Railroads C. E. 20		10
Reinforced Concrete C. E. 22		8
Concrete Laboratory C. E. 24		4
Inspection Trips, Co-ordination 73		2

JUNIOR YEAR

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

SUMMER TERM		Hrs. per week
Physics 56		10
Engineering Geology C. E. 32		7
Inspection Trips, Co-ordination 74		2
Elective		3

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Accounting C. 38	6	Business Administration C. 68	6
Sewerage C. E. 34	6	Water Supply C. E. 38	6
Economics A. 23	5	Economics A. 24	5
Engineering Design C. E. 36	2	Engineering Design C. E. 40	2
English Literature 85	2	English Literature 86	2
Engineering Problems Co-ord. 61	2	Engineering Problems Co-ord. 62	2

The above courses comprise the subjects required for the Degree of Civil Engineer. In no case, however, will a degree be awarded until the student has passed, with necessary quality points, a total of 270 credit hours.

CIVIL ENGINEERING

PROFESSOR DURST, ASSISTANT PROFESSOR BULGER

1. SURVEYING. First semester. Three credits.

Instruction is given in the correct use of the tape, the level, and the transit. A study is made of compass surveying, computing areas and note keeping. Some time is also devoted to the making of maps and profiles.

PROFESSOR DURST

4. SURVEYING. Summer term. Fourteen hours per week.

This course consists of the surveying and computation of areas, tests and adjustments of instruments, stadia and plane table work and contour mapping. At least one Polaris observation is made. Most of the work is done away from the campus. Prerequisite, 1.

PROFESSOR DURST

10. STRUCTURAL DRAWING. Summer term. Fourteen hours per week.

In this course the students are taught some of the conventional methods of representing structural shapes. Exercises are given on the detailing of riveted joints, beams, girders, columns and roof trusses. Prerequisites, Drawing M. E. 3-4, and Descriptive Geometry.

PROFESSOR GRIFFIN

12-14. ROOFS AND BRIDGES. First and second semesters. Six credits first semester; two credits second semester.

The calculation of stresses in several types of roof trusses for dead, snow, and wind loads are made analytically and checked by graphics. Stresses are calculated for several bridge trusses under dead and live loads. Text: Ellis.

ASSISTANT PROFESSOR BULGER

16. STRENGTH OF MATERIALS. Second semester. Six credits.

Class room work is given in tensile, compressive, and shearing stresses, riveted joints, torsion, bending moments, stresses and deflections of beams. A study is made of end conditions and formulas for columns. Text: Boyd. Prerequisites, Physics and Calculus.

ASSISTANT PROFESSOR BULGER

18. MATERIALS LABORATORY. Second semester. Three credits.

Steel is tested in compression, tension and torsion. Compression tests of brick, concrete, wood, and cast iron are made. Beams of steel and wood are tested and the deflections measured. A 200,000-pound Olsen Universal testing machine, a 100,000-pound Riehle vertical screw testing machine and a 60,000-inch-pound Riehle torsion machine with needed extensometers and strain gauges are used in making the tests. Prerequisite, 16.

ASSISTANT PROFESSOR BULGER

20. RAILROADS. Summer term. Ten hours per week.

An intensive course in railroad construction and surveying is given. This includes field and office work in simple, compound, and spiral curves. Text: Searles and Ives. Prerequisite, 4.

PROFESSOR DURST

22. **REINFORCED CONCRETE.** Summer term. Eight hours per week.
Instruction is given in the properties of plain and reinforced concrete, the design of mixtures, and the theory of stresses in reinforced concrete. Practice is given in the design of beams and columns. Text: Urquhart and O'Rourke. Prerequisite, 16. ASSISTANT PROFESSOR BULGER
24. **CONCRETE LABORATORY.** Summer term. Four hours per week.
The standard laboratory tests on cement, sand, and concrete are conducted in accordance with the A. S. T. M. standards. Experimental investigations are made. A trip is made to a cement plant where the actual manufacture of cement is studied. PROFESSOR DURST
26. **CONCRETE DESIGN.** First semester. Seven credits.
Practice is given in designing various concrete structures such as buildings, beam and arch bridges, and retaining walls. Text: Urquhart and O'Rourke. Prerequisite, 16 and 22. ASSISTANT PROFESSOR BULGER
28. **STEEL DESIGN.** Second semester. Seven credits.
Practice is given in designing and computing costs of steel structures such as mill and office buildings, warehouses, and bridges. Prerequisite, 16. Text: Ketchum's Structural Engineers Hand Book. ASSISTANT PROFESSOR BULGER
30. **HIGHWAYS.** Second semester. Five credits.
A study is made of the construction, cost, and advantages of the various types of hard surfaced highways. City paving and street designing are also considered. Traffic is studied by the use of traffic census. Bituminous material is tested. Text: Agg's Roads and Pavements. PROFESSOR DURST
32. **ENGINEERING GEOLOGY.** Summer term. Six hours per week.
This course consists of a survey of the essential facts of dynamic, structural, and economic geology. The relation of geology to the engineer and his work is kept constantly in mind. The class room work is supplemented by an excellent collection of Ward's minerals, rocks, coals, etc., and by several collections which have been donated by interested citizens. Text: Ries and Watson. PROFESSOR DURST
34. **SEWERAGE.** First semester. Six credits.
The first part of this course takes up sewer design. After some class room study and discussion, each student is required to design a complete sewer system for some district in Akron, or for an adjoining town. Sewage disposal is taken up in the second part of the course, including a comparative study of the various types of sewage treatment plants, and the visiting of several plants. Text: Metcalf and Eddy. Prerequisite, Hydraulics. PROFESSOR DURST

38. WATER SUPPLY. Second semester. Six credits.

After a review of formulae, methods, and practice, each student is required to design a complete water system for a portion of Akron or a nearby town. An inspection trip to Akron Pumping Station and Treatment Plant at Kent is arranged once a year. Text: Folwell. Prerequisite, Hydraulics.

PROFESSOR DURST

36-40. ENGINEERING DESIGN. First and second semesters. Two credits each semester.

Special problems in design are selected. This course gives the student an opportunity to do extra work along the particular line in which he wishes to specialize.

ASSISTANT PROFESSOR BULGER

ELECTRICAL ENGINEERING

The 22 hours for the summer term are equal to 10 semester credit hours (Co-operative basis).

FRESHMAN YEAR

(See General Outline of Engineering Courses for Freshmen on Page 98.)

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Training	2	Military Training	2
Physical Training	1	Physical Training	1
Mathematics 53	5	Mathematics 54	5
Physics 53	6	Physics 54	6
Descriptive Geometry M. E. 8	6	Power Plants M. E. 21	5
Public Speaking 91	2	Public Speaking 92	2
Engineering Problems, Co-ord. 31	2	Descriptive Geometry M. E. 9	2
		Engineering Problems, Co-ord. 32	2

SUMMER TERM

	Hrs. per week
Mathematics 55	6
Machine Drawing M. E. 14	10
Mechanical Engineering Laboratory M. E. 24	4
Inspection Trips, Co-ordination 72	2

PRE-JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Mathematics 56	3	Mathematics 57	3
Chemistry 33	7	Chemistry 34	7
English Literature 85	2	English Literature 86	2
D. C. Theory E. E. 5	6	A. C. Theory E. E. 6	6
D. C. Laboratory E. E. 7	4	A. C. Laboratory E. E. 8	4
Engineering Problems, Co-ord. 41	2	Engineering Problems, Co-ord. 42	2

SUMMER TERM

	Hrs. per week
Physics 56	10
Advanced Electrical Theory E. E. 9	4
Advanced Electrical Laboratory E. E. 10	6
Inspection Trips, Co-ordination 73	2

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Economics A. 23	5	Economics A. 24	5
Adv. Electrical Theory E. E. 11	5	Adv. Electrical Theory E. E. 12	5
Adv. Electrical Lab. E. E. 13	6	Adv. Electrical Lab. E. E. 14	2
Physics 55	5	Strength of Materials C. E. 16	6
Engineering Problems, Co-ord. 53	2	Materials Laboratory C. E. 18	3
		Engineering Problems, Co-ord. 62	2

SUMMER TERM

	Hrs. per week
Advanced Electrical Theory E. E. 20	12
Advanced Electrical Laboratory E. E. 22	8
Inspection Trips, Co-ordination 74	2

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Hydraulics M. E. 75	5	Thermodynamics M. E. 82	5
Electric Power Transmission E. E. 41	5	Electric Railways E. E. 52	5
Special Electrical Problems E. E. 61	6	Special Electrical Problems E. E. 62	6
Accounting C. 38	6	Business Organizations C. 68	6
Engineering Problems, Co-ord. 67	2	Engineering Problems, Co-ord. 68	2

The above courses comprise the subjects required for the Degree of Electrical Engineer. In no case, however, will a degree be awarded until the student has passed, with necessary quality points, a total of 270 credit hours.

ELECTRICAL ENGINEERING

PROFESSOR WALTHER, MR. SMITH

5. DIRECT CURRENT THEORY. First semester. Six credits.
This course covers elementary electrical engineering and includes the study of the principles of electricity and magnetism, electric and magnetic circuits, direct current generators and motors, and storage batteries.
MR. SMITH
6. ALTERNATING CURRENT THEORY. Second semester. Six credits.
This course covers elementary electrical engineering and includes the study of fundamental ideas regarding alternating electromotive force and current, resistance, inductance, and capacity in alternating current circuits, and the theory of alternating current generators, motors, instruments, and transformers.
MR. SMITH
7. DIRECT CURRENT LABORATORY. First semester. Four credits.
This course includes elementary exercises in electricity and magnetism, various practical tests on direct current machines, and supplements the theoretical work given in 5.
MR. SMITH
8. ALTERNATING CURRENT LABORATORY. Second semester. Four credits.
This course includes elementary experimental study of alternating current circuits, and various practical tests on alternating current machines, and supplements the theoretical work given in 6.
MR. SMITH

9-11-12-20. **ADVANCED ELECTRICAL THEORY.** First and second semesters and the preceding and following summer terms. Five credits each semester, and four and twelve credits for summer terms.

This course is a continuation of 6. It includes more thorough study of the theory and construction of electrical machines and appliances and a large number of problems. PROFESSOR WALTHER

10-13-14-22. **ADVANCED ELECTRICAL LABORATORY.** First and second semesters and preceding and following summer terms. Six credits first semester, two credits second semester, six and eight credits for summer terms.

This course is a continuation of 8 and includes more advanced experimental study of direct and alternating circuits and equipment, and supplements the theoretical work given in 9-11-12-20. PROFESSOR WALTHER

41. **ELECTRIC POWER TRANSMISSION.** First semester. Five credits. This course covers the study of transmission and distribution of electrical power. The economic, mechanical, and electrical principles involved are considered for both underground and overhead systems.

PROFESSOR WALTHER

52. **ELECTRIC RAILWAYS.** Second semester. Five credits. This course includes the study of the forces acting on a train, speed time curves, energy requirements, motor capacity, systems of control, direct versus alternating current, and electricity versus steam for railways.

PROFESSOR WALTHER

61-62. **SPECIAL ELECTRICAL PROBLEMS.** First and second semesters. Six credits each semester.

This course is designed to teach the seniors in electrical engineering to work independently. Special exercises are assigned individuals or to groups, such as advanced laboratory experiments or design and construction of special equipment. PROFESSOR WALTHER

MECHANICAL ENGINEERING

The 22 hours for the summer term are equal to 10 semester credit hours (Co-operative basis).

FRESHMAN YEAR

(See General Outline of Engineering Courses for Freshmen on Page 98.)

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Training	2	Military Training	2
Physical Training	1	Physical Training	1
Mathematics 53	5	Mathematics 54	5
Physics 53	6	Physics 54	6
Descriptive Geometry M. E. 8	6	Descriptive Geometry M. E. 9	2
Public Speaking 91	2	Power Plants M. E. 21	5
Engineering Problems, Co-ord. 31	2	Public Speaking 92	2
		Engineering Problems, Co-ord. 32	2

SUMMER TERM		Hrs. per week
Mathematics 55	_____	6
Machine Drawing M. E. 14	_____	10
Mechanical Engineering Laboratory M. E. 24	_____	4
Inspection Trips, Co-ordination 72	_____	2

PRE-JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Mathematics 56	_____ 3	Mathematics 57	_____ 3
Chemistry 33	_____ 7	Chemistry 34	_____ 7
Physics 55	_____ 5	Strength of Materials C. E. 16	_____ 6
Mechanism M. E. 31	_____ 5	Materials Laboratory C. E. 18	_____ 3
Mechanism Drawing M. E. 32	_____ 2	English Literature 86	_____ 2
English Literature 85	_____ 2	Engineering Problems, Co-ord. 42	_____ 2
Engineering Problems, Co-ord. 41	_____ 2		

SUMMER TERM		Hrs. per week
Physics 56	_____	10
Steam Power Plants M. E. 44	_____	5
Machine Design M. E. 54	_____	5
Inspection Trips, Co-ordination 73	_____	2

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Steam Power Plants M. E. 45	_____ 5	Steam Power Plants M. E. 46	_____ 3
D. C. Electricity E. E. 5	_____ 6	Machine Design M. E. 55	_____ 4
D. C. Laboratory E. E. 7	_____ 4	A. C. Electricity E. E. 6	_____ 6
Economics A. 23	_____ 5	A. C. Laboratory E. E. 8	_____ 4
Engineering Problems, Co-ord. 55	_____ 2	Economics A. 24	_____ 5
		Engineering Problems, Co-ord. 56	_____ 2

SUMMER TERM		Hrs. per week
Machine Design M. E. 56	_____	12
Mechanical Engineering Laboratory M. E. 61	_____	8
Inspection Trips, Co-ordination 74	_____	2

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Heating and Ventilation M. E. 71	_____ 5	Thermodynamics M. E. 82	_____ 5
Hydraulics M. E. 75	_____ 5	Elective M. E. 88	_____ 5
Mechanical Engineering Lab. M. E. 62	_____ 5	Gas and Oil Engines M. E. 38	_____ 5
Accounting C. 38	_____ 6	Business Organization C. 68	_____ 6
Engineering Problems, Co-ord. 65	_____ 2	Engineering Problems, Co-ord. 62	_____ 2

The above courses comprise the subjects required for the Degree of Mechanical Engineer. In no case, however, will a degree be awarded until the student has passed, with necessary quality points, a total of 270 credit hours.

MECHANICAL ENGINEERING

PROFESSOR GRIFFIN, ASSISTANT PROFESSOR UPP, MR. MUNRO

3. ELEMENTARY ENGINEERING DRAWING. First semester. Four credits.

The object of this course is to train the student in freehand sketching, lettering, and mechanical drawing. Special attention is given to the proper use and care of drawing instruments.

PROFESSOR GRIFFIN, MR. MUNRO

4. PROJECTION DRAWING. Second semester. Four credits.

This course is intended to teach the student how to represent an object by showing the proper views. The assigned exercises include problems in orthographic projection, isometric, and oblique drawing, and the conventional methods of drawing bolts, nuts, and screw threads.

PROFESSOR GRIFFIN, MR. MUNRO

8. DESCRIPTIVE GEOMETRY. First semester. Six credits.

This subject treats of the fundamental theory and the solution of problems concerning the graphical representation of points, lines, planes and surfaces. Prerequisites, 3 and 4.

MR. MUNRO

9. DESCRIPTIVE GEOMETRY. Second semester. Two credits.

This course, which is a continuation of 8, consists of the graphical solution of problems of a practical nature pertaining to surfaces and solids.

MR. MUNRO

14. MACHINE DRAWING. Summer term. Ten hours per week.

A study is made of the modern drafting-room methods of making machine drawings. Students make freehand sketches of machine parts, detail and assembly drawings, tracings and blue prints.

PROFESSOR GRIFFIN, MR. MUNRO

21. ELEMENTARY POWER PLANTS. Second semester. Five credits.

A brief survey is made of the fundamental theory and design of some of the important power producing units such as steam boilers, steam, gas and oil engines, and their accessories.

PROFESSOR GRIFFIN

24. MECHANICAL ENGINEERING LABORATORY. Summer term. Four credits.

This course is devoted to the calibration and the use of instruments and apparatus such as pressure and vacuum gages, thermometers, steam and gas engine indicators and oil testing apparatus.

ASSISTANT PROFESSOR UPP

31. MECHANISM. First semester. Five credits.

A study is made of the various means of transmitting and modifying machine motions and the determination of the relative displacement, velocity, and acceleration of different machine parts.

ASSISTANT PROFESSOR UPP

32. MECHANISM DRAWING. First semester. Two credits.

In connection with M. E. 31, students make layout drawings of various methods of transmitting and modifying motion by means of links, cams, gears, and other common machine parts.

ASSISTANT PROFESSOR UPP

38. GAS AND OIL ENGINES. Second semester. Five credits.

The fundamentals involved in the theory, design, and operation of internal combustion engines are studied. Special attention is given to automotive, airplane, and oil engines.

ASSISTANT PROFESSOR UPP

44-45-46. **STEAM POWER PLANTS.** Summer term and first and second semesters. Five credits for summer term and first semester and three credits for second semester.

Combustion, steam boilers, the properties of steam, and the methods of burning coal and oil are studied during the summer term and the first semester. In the second semester the course takes up steam engines, steam turbines, and their accessories. ASSISTANT PROFESSOR UPP

54-55. **MACHINE DESIGN.** Summer term and second semester. Five credits for summer term and four credits for second semester.

The fundamental principles involved in the design and operation of machinery are studied, with problems on the design of riveted joints, keys and shafting, belting, chains and sprockets, gears, bearings, couplings, and other machine parts. MR. MUNRO

56. **MACHINE DESIGN.** Summer term. Twelve hours per week.

In this course the student applies the theory as taught in 54-55 and makes a complete design and drawing of an assigned machine.

MR. MUNRO

61-62. **MECHANICAL ENGINEERING LABORATORY.** Summer term and first semester. Eight credits for summer term and five credits for first semester.

The work in the summer term consists of tests on internal combustion engines and the use of the electric dynamometer. The experimental work in the first semester is devoted to hydraulics, steam engine and steam turbine tests, and the operation of steam power plant accessories.

ASSISTANT PROFESSOR UPP

71. **HEATING AND VENTILATING.** First semester. Five credits.

The purpose of this course is to present the fundamental principles which apply in various systems of heating and ventilation and the methods of their construction. PROFESSOR GRIFFIN

75. **HYDRAULICS.** First semester. Five credits.

Some of the topics studied are water pressure, stability of simple structures subjected to water pressure, the flow of water and its measurement and the fundamental principles of water pumps and motors.

PROFESSOR GRIFFIN

82. **THERMODYNAMICS.** Second semester. Five credits.

The transformation of heat into mechanical energy is studied with special reference to steam boilers, engines and turbines, internal combustion engines and refrigerating systems. ASSISTANT PROFESSOR UPP

88. **ELECTIVE IN MECHANICAL ENGINEERING DEPARTMENT.** Second semester. Five credits.

The student works out a design or laboratory problem under the supervision of the instructor in charge. The student is required to turn over to the department all data, drawings, etc., in the form of an engineering report. PROFESSOR GRIFFIN, ASSISTANT PROFESSOR UPP

THE UNIVERSITY OF AKRON

INDUSTRIAL ENGINEERING

The credit hours for the Freshman, Sophomore, and Pre-Junior years are on the Co-operative basis.

The credit hours for the Junior and Senior years are on the full-time basis.

The 22 hours for the summer term are equal to 10 semester credit hours (Co-operative basis).

FRESHMAN YEAR

(See General Outline of Engineering Courses for Freshmen on Page 98.)

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Training	2	Military Training	2
Physical Training	1	Physical Training	1
Mathematics 53	5	Mathematics 54	5
Physics 53	6	Physics 54	6
Economics 22	5	Economics 23	5
Co-ordination	1	Co-ordination	1

SUMMER TERM

	Hrs. per week
Machine Drawing M. E. 14	10
Mathematics 55	6
Machine Design M. E. 56	4
Inspection Trip, Co-ordination 72	2

PRE-JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Chemistry 33	7	Chemistry 34	7
Physics 55	5	Strength of Materials C. E. 16	6
Steam Power Plants M. E. 45	4	Materials Laboratory C. E. 18	4
Business Administration 68	6	Production Methods (not given in 1928-29)	6

SUMMER TERM

Work.

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
General Electricity	3	Business Law C. 41 (Evening Session)	2
Business Law C. 40	2	Accounting (Evening Session)	2
Accounting C. 30	3	Work	
Marketing C. 80	3		
Business Correspondence C. 25	3		
Commercial and Industrial Geography 20	3		

SUMMER TERM

Psychology	3
Business Finance 73	3

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Cost Accounting C. 34 (Evening Session)	2	Cost Accounting C. 35	3
Problems in Finance C. 75 (Evening Session)	3	Factory Management C. 65	3
Work		Statistics C. 57	4
		Accounting C. 38	3
		Literature	3
		Seminar	2

GENERAL COURSES FOR ENGINEERING STUDENTS*BIOLOGY**

80. BACTERIOLOGY. Second semester. Three credits.

A study of micro-organisms and their specific relations to the engineer and his problems. Water purification and sewage reduction receive special attention. Sufficient laboratory work is given to enable the student to solve problems of a practical nature. ASSISTANT PROFESSOR FOX

CHEMISTRY

33. ENGINEERING CHEMISTRY. First semester. Seven credits.

The following subjects are discussed in the first half of the semester: substances and properties, chemical change, combining proportions, atomic theory, oxygens, gases and the kinetic-molecular hypothesis, water, molecular weights and carbon. The second half of the semester is a study of solid, liquid, and gaseous fuels, their use, efficiencies and the thermo chemistry of combustion. The laboratory work consists of elementary experiments and analysis of gases.

ASSISTANT PROFESSOR SCHAEFER

34. METALLURGY OF IRON AND STEEL. Second semester. Seven credits.

Recitations and lectures on the manufacture, properties and uses of iron and steel. Laboratory work in heat-treating of steel and microscopic examination of metals and alloys. The steel and non-ferrous alloy requirements of the aircraft industry are studied.

ASSISTANT PROFESSOR SCHAEFER

CO-ORDINATION

Courses 22-68 inclusive, are home study courses. During each working period, engineering students are given weekly assignments consisting of practical problems in mathematics, physics, economics and English as well as special problems in their particular fields.

1-2. ORIENTATION. First semester. One credit.

This course helps the entering student decide what branch of Engineering he wants. Lectures by prominent engineers are alternated with the showing of industrial pictures. ASSOCIATE PROFESSOR GILMOUR

22. MECHANICS PROBLEMS. Second semester. Two credits.

Trigonometry is applied to practical problems in mechanics. Review is given in the resolution and composition of forces and velocities. Prerequisites, Mathematics 51, and Physics 51. MR. SMITH

*The letter "C" prefixed to a course number indicates that the course is given in the Commerce department; M. E., C. E., and E. E. refer to Mechanical, Civil, and Electrical Engineering departments.

31-32. **MATHEMATICS AND PHYSICS PROBLEMS.** First and second semesters. Two credits each semester.

The problems in this course involve trigonometry, algebra, concurrent and non-concurrent forces, and center of gravity. Prerequisites, Mathematics 51-52, and Physics 51-52. ASSOCIATE PROFESSOR GILMOUR

41-42. **SELECTED READINGS.** First and second semesters. Two credits each semester.

Weekly assignments are given in reading from a selected list of books of varied content. The course purposes to broaden the point of view of the engineering student. MR. GOODELL

51-52. **ENGINEERING PROBLEMS.** First and second semesters. Two credits each semester.

These courses consist of problems which review the work given in C. E. 16 and which illustrate topics not taken up in that course. Prerequisites, Mathematics 56, Physics 54, and C. E. 16.

ASSISTANT PROFESSOR BULGER

53-54. **ELECTRICAL ENGINEERING PROBLEMS.** First and second semesters. Two credits each semester.

This is a reading course with suitable problems such as electric wiring, armature winding, etc. and is intended for students in Electrical Engineering who have completed E. E. 5. PROFESSOR WALTHER

55-56. **SPECIAL M. E. PROBLEMS.** First and second semesters. Two credits each semester.

This course consists of problems in applied mechanics and mechanism. Prerequisites, M. E. 21, and M. E. 31. ASSISTANT PROFESSOR UPP

61-64. **ADVANCED C. E. PROBLEMS.** First and second semesters. Two credits each semester.

This course is for Civil Engineering seniors. Short problems are given in such subjects as concrete design, sewerage, and structural design.

PROFESSOR DURST

62. **ENGINEERING PROBLEMS.** First and second semesters. Two credits each semester.

The course requires a solution of problems illustrating the theoretical principles of the larger economic problems of money and banking, railroads, trusts and taxation. Prerequisite, Economics 22.

PROFESSOR MCJOYNT

65. **ADVANCED M. E. PROBLEMS.** First semester. Two credits.

This course is for Mechanical Engineering seniors. It consists of a series of problems relating to steam power plant engineering and machine design. ASSISTANT PROFESSOR UPP

67-68. ELECTRICAL ENGINEERING PROBLEMS. First and second semesters. Two credits each semester.

This course is open only to Electrical Engineering seniors. The problems of the course review the theory given in the Electrical Engineering courses of the pre-junior and junior years. PROFESSOR WALTHER

71-72-73-74. INSPECTION TRIPS. Summer term. Two credits.

These trips include visits to prominent industries in Akron and adjacent cities such as Barberton, Massillon, Canton, and Cleveland. The student is required to provide his own transportation and must submit comprehensive written reports. PROFESSORS DURST, GRIFFIN, AND WALTHER

ECONOMICS

A.23-24. ECONOMICS FOR ENGINEERS. First and second semesters. Five Co-op. credits each semester.

This course covers the basic principles of economics. It takes up production, consumption, distribution, money and credit, transportation and trade, and some of the modern economic problems. PROFESSOR DAVIS

ENGLISH

81-82. ENGLISH COMPOSITION. First and second semesters. Four credits each semester.

Steady practice is given in writing technical descriptions, explanations, and professional letters, and in informal oral argumentation. Students are encouraged also to give imaginative interpretation and presentation of the work of the engineer. Correctness in sentence structure, punctuation, and spelling is strictly insisted upon. MR. GOODELL

85-86. ENGLISH LITERATURE. First and second semesters. Two credits each semester.

Modern novels and short stories are read for their cultural and recreational value, and essays on scientific and engineering subjects are studied for the purpose of finding the literary and philosophical values in non-literary subjects. Supplementary reading is an important part of the course. MR. GOODELL

MATHEMATICS

PROFESSOR JONES, ASSISTANT PROFESSOR BENDER, MISS LIPSCOMBE,
MRS. LEIGH, MISS GOODMAN

51. TRIGONOMETRY. First and second semesters. Six credits each semester.

The following topics are studied: angles and their measurements; the trigonometric function; fundamental identities; reduction, addition and multiplication theorems; trigonometric equations; inverse trigonometric functions; logarithms; right and oblique triangles. For Engineering students. MISS LIPSCOMBE, MRS. LEIGH, MISS GOODMAN

52. ALGEBRA. First and second semesters. Five credits each semester.

This course includes a review of elementary algebra, and takes up the study of surds, linear and non-linear equations, proportion, variation, progressions, binomial theorem, permutations and combinations. For Engineering students. MISS LIPSCOMBE, MRS. LEIGH, MISS GOODMAN

53. ANALYTICS AND CALCULUS. First and second semesters. Five credits each semester.

This course will include such fundamentals of analytics as the locus problem, the straight line, and a brief treatment of the conics, differentiation of the algebraic, logarithmic and trigonometric functions, and applications to maxima and minima, and mechanics. For Engineering students. PROFESSOR JONES, ASSISTANT PROFESSOR BENDER

54. CALCULUS. First and second semesters. Five credits each semester.

The work of this semester will include the general and special methods of integration, the application of the calculus to finding lengths of arcs, areas, and volumes, and to center of gravity, and moments of inertia. For Engineering students.

PROFESSOR JONES, ASSISTANT PROFESSOR BENDER

55. CALCULUS. Summer session. Six credits.

The course during the summer session will take up multiple integrals and their applications to areas, volumes, center of gravity, moment of inertia, and pressure of liquids. For Engineering students.

PROFESSOR JONES

56. CALCULUS AND VECTOR ANALYSIS. First semester. Three credits.

The studies of this course will include such topics as the differentiation of implicit functions, partial differentiation, development of functions in series, surfaces, vectors, complex numbers, and applications. For Engineering students. PROFESSOR JONES, ASSISTANT PROFESSOR BENDER

57. FORMULA DERIVATIONS. Second semester. Three credits.

The work during this semester will include a short course in differential equations, probabilities, method of least squares, and the derivation of formulas. For Engineering students.

PROFESSOR JONES, ASSISTANT PROFESSOR BENDER

PHYSICS

PROFESSOR HOUSEHOLDER, ASSISTANT PROFESSOR ROLLEFSON, MR. FOUTS

51-52. FRESHMAN MECHANICS. First and second semesters for co-operative students. Five credits each semester.

This is an elementary course in statics and includes a thorough study of the forces producing equilibrium and the application of these principles to problems involving simple machines, pier reactions, center of gravity, simple frames and trusses. No student is permitted to enter this course unless he has had, or is taking, freshman mathematics, and no student

failing in the first semester of mathematics will be allowed to continue with this course. Three recitations and four hours laboratory work per week. Students taking full-time work must begin the course in the second semester.

MR. FOUTS AND ASSISTANTS

53-54. SOPHOMORE MECHANICS. First and second semesters. Six credits each semester.

A continuation of 51-52 completing the work in statics and covering the subject of kinetics. Prerequisites, Physics 51-52 and Mathematics 51-52. Mathematics 53-54 must be taken at the same time. Four recitations and four hours laboratory work per week.

ASSISTANT PROFESSOR ROLLEFSON

55. HEAT. First semester. Five credits.

A short course covering the fundamental concepts of the theory of heat and its measurements, with special emphasis on their applications in engineering. Three recitations and four hours laboratory work per week. Prerequisites, 51-52 and 53-54.

MR. FOUTS

56. WAVE MOTION, LIGHT, AND SOUND. Second semester. Five credits.

An elementary course in wave motion and its applications to the study of sound and light. Particular emphasis is put upon the engineering phase of the subject. Prerequisites, 51-52 and 53-54. Three recitations and four hours laboratory work per week.

PROFESSOR HOUSEHOLDER

SPEECH

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

A course in practical public speaking, including some reading, some written work, and considerable impromptu and extempore speaking.

PROFESSOR HAYWORTH

COMMERCE

BUSINESS ADMINISTRATION

Two courses of study in Commerce are offered, a regular course and a selective co-operative course. All students are required to attend college full time during the first year, after which those who have completed the freshman work may apply for the selective co-operative course. All applicants who are able to satisfy the faculty as to their scholastic ability and personal qualifications will be admitted to the co-operative course; others will take the regular course.

The regular course of study requires four years and two summers for completion. During this period the student will complete the subject matter of the regular curricula in business and pursue such extra courses in his special field as he desires. The two summers are to be spent working in the industries. One of these must be in factory work.

Co-operative students will take the regular commerce curriculum and such other subjects as they may elect. In addition, these students will receive a laboratory course in the industries. The co-operative students are divided into two divisions which alternate on a semester basis. While Division A is in the University, Division B is at work, and at the end of the semester when Division B returns to college, Division A replaces it in industry. In those businesses in which such an alternation plan is not feasible, the student may be permitted to work a certain number of hours each day throughout the year. In this event his maximum semester load will be 12 credit hours. Each semester and each summer term constitutes an alternation period.

The co-operative course requires five years of eleven months each for completion. One summer may be spent in military training summer camp. During the four semesters and two summers the student is engaged in practice work he receives a progressive experience and training in several factory and office departments. By means of a series of graduated project studies and reports, he is encouraged to study his job and analyze its functions in relation to the entire organization and to apply the principles and theory learned in the class room.

No credit is given for practice work, but a student may be allowed credit—not to exceed three hours in any one year and a total of twelve hours during the four years of his co-operative training—for making prescribed and acceptable industrial studies in connection with his job. The co-operative student is required to carry on Industrial Studies or take work in the Evening Session while he is engaged in practice work.

GRADUATION AND DEGREE

Candidates for graduation in either the regular or the co-operative course must present 128 credit hours with the required number of honor points. All students are also required to submit a senior thesis upon some special, assigned subject or business problem. Co-operative students may submit treatises pertaining to the industry in which they are engaged but such treatises must not duplicate their industrial studies. Regular students must also submit an industrial experience report based upon their summer experience in industry.

Graduates of the regular course receive the degree of Bachelor of Science in Commerce, while those of the co-operative course, in recognition of additional practical training, receive the degree of Bachelor of Science in Business Administration.

Candidates for the degree of Bachelor of Science in Commerce or Bachelor of Science in Business Administration must complete the following requirements:

FRESHMAN YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Algebra _____	4	Mathematics of Finance A.58 _____	3
*Problems in Citizenship or a Modern Foreign Language _____	3	*Political Science or Foreign Language _____	3
Com. and Ind. Geography _____	3	Economic History of the U. S. _____	3
Military Training _____	1	Human Biology _____	3
Physical Education _____	1	Military Training _____	1
Rhetoric _____	3	Physical Education _____	1
	—	Rhetoric _____	3
	15		—
			17

UPPER-COURSE REQUIREMENTS

GENERAL		COMMERCE	
English Literature _____	6	Business Administration _____	3
Military Training _____	2	Business Management _____	3
Physical Education _____	2	Accounting _____	12
Science _____	8	Marketing _____	3
Chemistry _____		Advertising _____	3
Physics _____		Business Law _____	4
Biology _____		Statistics _____	4
Psychology _____	3	Finance _____	6
Economics _____	6	Money and Banking _____	
Political Science _____	3	Business Finance _____	
Government and Business _____		Business Correspondence _____	3
	—	Seminar _____	2
	30		—
			43
Electives in General or Com- merce _____	11	Electives in Commerce _____	10
	—		—
	41		53

Total Hours required for graduation 128.

*If the Modern Language is elected, it must be taken in both semesters. In addition to the eight hours listed, six additional hours of the same language must be taken to secure credit toward graduation.

In order that the student may meet the above requirements with the least number of conflicts the following course outlines are given to assist him in scheduling his course.

OUTLINE OF REGULAR COURSE

FRESHMAN YEAR

(See required subjects for Freshman year as given on preceding page.)

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Chemistry, Physics or Biology	4	Chemistry, Physics or Biology	4
Economics A. 21	3	Economics A. 22	3
Accounting C. 30	3	Accounting C. 31	3
Psychology	2	Psychology	2
Business Administration C. 60	3	Money and Banking A.3	3
Physical Training	1	Physical Training	1
Military Training	1	Military Training	1

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Business Law C. 40	2	Business Law C. 41	2
Accounting C. 32	3	Accounting C. 33	3
Marketing C. 80	3	Advertising C. 87	3
Business Correspondence S. 5	3	Business Management C. 63	3
Business Finance C. 73	3	Statistics C. 57	4
Literature 25	3	Literature 26	3

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Seminar C. 1	1	Seminar C. 2	1
Electives (Maximum)	17	Business and Government 20	3
		Electives (Maximum)	14

OUTLINE OF SELECTIVE CO-OPERATIVE COURSE

FRESHMAN YEAR

(See required subjects for Freshman year as given on preceding page.)

SUMMER TERM

Work in industry or Military Training Camp.

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Economics A. 21	3	Accounting (Evening Session)	3
Business Administration C. 60	3	Industrial Studies C 10	
Business Correspondence S. 5	3		
Literature 25	3		
Military Training	1		
Physical Training	1		
Accounting C. 30	3		

SUMMER TERM

	Cr. Hrs.
Economics A. 22	3
Money and Banking A.3	3
Psychology	3

PRE-JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Accounting (Evening Session)	2	Accounting C. 33	3
Industrial Studies C. 11	*	Advertising C. 87	3
		Statistics C. 57	4
		Literature 26	3
		Elective	3

Work

SUMMER TERM

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Marketing C. 80.....	3	Business Law C. 41.....	2
Business Finance C. 73.....	3	Industrial Studies C. 12.....	*
Business Law C. 40.....	2		
Electives	8		

SUMMER TERM

	Cr. Hrs.
Science	4

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Seminar C. 1.....	1	Business Management C. 63.....	3
Industrial Studies C. 13.....	*	Business and Government 20.....	3
		Seminar C. 2.....	1
		Science	4
		Electives	6

COMMERCE

PROFESSOR LEIGH, ASSISTANT PROFESSOR HOLMES, ASSISTANT PROFESSOR ROWE,
MR. BATTEY, MR. DOUTT, MR. LEWERS, MR. WALTZ, MR. PARK,
MR. BISHOP, MISS FLINT.

SPECIAL LECTURERS: F. A. Climer, Manager of Personnel Department, Goodyear Tire & Rubber Co.; R. R. Gross, Works Manager, Firestone Tire & Rubber Co.; H. H. Hollinger, Comptroller, Firestone Tire & Rubber Co.; S. B. Kramer, Production Control Department, Goodyear Tire & Rubber Co.; C. F. Marshall, Purchasing Agent, The Seiberling Tire & Rubber Co.; J. P. Woodlock, Specialized Sales Department, The B. F. Goodrich Company.

1-2. SEMINAR. First and second semesters. One to four credits for both semesters.

This course is required of all students qualifying for degrees. Each student is required to make a thorough study of some problem in his particular field, in lieu of a thesis. The topic must meet the approval of the faculty. Credit is dependent upon the quality of work done.

PROFESSOR LEIGH AND OTHERS

10. SOPHOMORE INDUSTRIAL STUDIES. Maximum of three credits.

Sophomore co-operative students are expected to undertake special investigations in connection with their practice work. These will be assigned and carried out under supervision and will co-ordinate the class room instruction with the outside work. Credit is dependent upon the quality of work done.

11. PRE-JUNIOR INDUSTRIAL STUDIES. Maximum of three credits.

This course is similar to 10 but the studies are carried on by the Pre-Juniors.

12. JUNIOR INDUSTRIAL STUDIES. Maximum of three credits.

This course is similar to 10 but the studies are carried on by Juniors.

13. SENIOR INDUSTRIAL STUDIES. Maximum of three credits.

This course is similar to 10 but the studies are carried on by Seniors.

*Credit dependent on work done.

20. **COMMERCIAL AND INDUSTRIAL GEOGRAPHY.** First semester.
Three credits.

This introductory course develops a conception of environmental elements such as climate, land forms, soils, mineral resources, and vegetation, and shows their influence upon economic activity. It analyzes physical factors which constitute the basis of trade, population movements, and international strife. Required of all Commerce students.

MR. BATTEY

23. **ECONOMIC DEVELOPMENT OF THE UNITED STATES.** Second semester. Three credits.

A short study is made of those features in England which have influenced the industrial life in the United States. Such topics are considered as exploration and settlement, land policies, population growth, growth of commerce, crises, industrial combination, development of banking institutions and railroad systems, tariff, labor unions, and government regulation. Required of all Commerce students.

ASSISTANT PROFESSOR ROWE

30-31. **ACCOUNTING.** First and second semesters. Three credits each semester.

This course introduces the student to the details of business management. The recording of important transactions such as the acquisition of assets and their depreciation, incurring of expenses, and making purchases and sales, are considered. Attention is directed to the balance sheet and the statement of profit and loss, their construction, and use. Required of all Commerce sophomores.

ASSISTANT PROFESSOR ROWE

32-33. **ACCOUNTING.** First and second semesters. Three credits each semester.

This is a continuation of 30-31 which is a prerequisite. In addition to the text, graded problems are used to illustrate the balance sheet and the profit and loss statement, analysis of profits, application of funds, capital expenditures and depreciation policies, determination of cost for inventory valuations, installment accounts, etc.

MR. BATTEY

34. **COST ACCOUNTING.** First semester. Three credits.

Cost records are used to determine the cost or the profit on each unit of product, to determine the profitable lines of endeavor, and to secure accurate and perpetual inventories and information necessary to lay down wise managerial policies. Prerequisite, 30-31.

MR. BATTEY

36. **AUDITING.** Second semester. Three credits.

This course covers the procedure involved in auditing cash funds, accounts receivable, inventories, investments, deferred charges, capital assets, intangible assets, liabilities, and net worth accounts, the closing of an audit, and the construction of audit reports. Prerequisite, 32-33. Not given in 1929-30.

MR. BATTEY

37. ACCOUNTING PROBLEMS. Second semester. Three credits.

This course is designed for students who intend to enter the accounting profession. The problems cover such topics as partnerships, corporations, executors, trustees, consolidated statements, capital requirements and actuarial science. Open to seniors and to others with the consent of the instructor. Prerequisite, 32-33.

MR. BATTEY

38. ACCOUNTING. First semester. Six co-operative credits.

This course is for advanced Engineering students. It covers the forms used by a foreman or a superintendent in a factory and enables the engineer to interpret such forms as profit and loss statements, balance sheets, production statements and store records.

ASSISTANT PROFESSOR ROWE

40-41. BUSINESS LAW. First and second semesters. Two credits each semester.

The origin of commercial law, the operation and discharge of contracts, the law of sales, agency, and negotiable instruments, partnerships and corporation, are studied, giving attention to the statutes which form the working machinery for economic activity. Open to Commerce sophomores and to others with the consent of the instructor.

MR. PARK

55. TRANSPORTATION. Second semester. Three credits.

A study is made in this course of the American transportation system from the points of view of the economist, the shipping public, and the transportation administrator. The course takes up the part played by transportation in the production, exchange and distribution of wealth, service, rate making, valuation, and federal regulation. Prerequisite, Economics A.21-22. Given in 1929-30 and alternate years.

MR. BATTEY

56. RISK BEARING AND INSURANCE. Second semester. Three credits.

An examination is made of the many risks in our economic order, and of the methods, devices, and institutions which have evolved to deal with these risks. Special attention is given to the risk bearing activities of such institutions as speculative exchanges and insurance companies. Insurance in all its applications is emphasized. Prerequisite, Economics A.21-22. Given in 1930-31, and alternate years.

57. STATISTICS. Second semester. Four credits.

In this course the student is taught to apply the scientific method to business and social problems. Emphasis is placed on the use of surveys, accounting, analyses and group tests, and the collection and use of statistical data. Prerequisite, Economics A.21-22 or its equivalent.

MR. BATTEY

59. PROBLEMS IN BUSINESS ECONOMICS. First semester. Three credits.

This is an advanced course which synthesizes all the knowledge of economics the student has gathered in other courses. The ways and means of controlling economic activity for social ends are analyzed. Such topics as monopoly, regulation of railroads, labor problems, population movements, and public taxation are discussed. Open to Seniors and to others with the consent of the instructor.

PROFESSOR LEIGH

60. BUSINESS ADMINISTRATION. First semester. Three credits.

This is a survey course in which the business establishment is considered as a unified concern composed of various departments such as finance, production, distribution, and accounting. The managerial viewpoint is taken throughout. Class work is supplemented by problems and trips. Required of all Commerce sophomores. PROFESSOR LEIGH

61. BUSINESS MANAGEMENT. Second semester. Three credits.

The problems of management in delegating authority and co-ordinating activities, standardization, determination of administrative, sales, production, personnel and financial policies, and administrative control and executive leadership are studied. Problems and case studies play a prominent part in the course. Prerequisite, 60. Not given in 1929-30. PROFESSOR LEIGH

63. PERSONNEL MANAGEMENT. Second semester. Three credits.

This course covers job analysis, selection and maintenance of a labor supply, placement and promotion, elimination of risks, co-operation between employers and employees, and employee participations in ownership or management. Prerequisite, 60. Given in 1929-30 and alternate years. PROFESSOR LEIGH

65. FACTORY MANAGEMENT. Second semester. Three credits.

The topics considered in this course are the factors determining the location of the plant, plant layout, types of organization, production methods, stores and purchase control, engineering and shop costs, progress records, and standardization. Prerequisite, 63. PROFESSOR LEIGH

68. BUSINESS ADMINISTRATION FOR ENGINEERS. Second semester. Six co-operative credits.

This course is given especially for advanced Engineering students. It is patterned after Business Administration except that more emphasis is laid upon plant layout, production operations, and factory management. PROFESSOR LEIGH

69. PROBLEMS IN BUSINESS POLICY. Second semester. Three credits.

This is a problem course in management policies, dealing with organization, plant expansion, labor, control and distribution policies. The problems are drawn from real business situations and are aimed to make the student exercise initiative and resourcefulness in his attack on business problems. Open to Seniors and others only with the consent of the instructor. Given in 1929-30 and alternate years. PROFESSOR LEIGH

71. THE FEDERAL RESERVE SYSTEM AND MONEY POLICIES. Second semester. Three credits.

This is a comprehensive study of the Federal Reserve system, the discount policy, the need and working of a centralized banking system, and methods of stabilizing credit during the fluctuations of the business cycle. Prerequisite, Money and Banking A3. ASSISTANT PROFESSOR ROWE

73. BUSINESS FINANCE. First semester. Three credits.

This is a basic and comprehensive course in finance. The financial structure and operation, the uses and sources of funds, the relation of the business executive to his bank, and the safeguarding of credit are studied. The financial needs and operation of both large and small businesses are equally stressed. Prerequisite, Money and Banking A3.

ASSISTANT PROFESSOR ROWE

75. PROBLEMS IN FINANCE. Second semester. Three credits.

Topics to be studied include corporate organization in modern business, legal organization, instruments of finance, promotion, underwriting, capitalization, earning, expenses, surplus, manipulation, insolvency, receivership, reorganization and regulation. Working capital problems and control will be emphasized. Prerequisite, 73. Given in 1928-29 and alternate years.

ASSISTANT PROFESSOR ROWE

76. ELEMENTS OF PUBLIC FINANCE. Second semester. Three credits.

This course aims to give the student a knowledge of the principles that should guide the city, state, or nation in raising and expending revenue. The sources of revenue, principles of taxation, governmental securities, fields of expenditure, and control of expenditures, are examined. Prerequisite, Economics A.21-22 and one course in Finance. Given in 1929-30 and alternate years.

ASSISTANT PROFESSOR ROWE

77. INVESTMENTS. Second semester. Three credits.

Markets and their influence on the price of securities, elements of sound investment and methods of computing net earnings, amortization, rights and conversions, will be studied and various forms of securities will be considered. Prerequisite, 73.

ASSISTANT PROFESSOR ROWE

80. MARKETING. First semester. Three credits.

Among the topics covered in this course are the functions of marketing, middlemen and their place in the market structure, retail types and policies, consumer and producer co-operation, market finance, associative activities, cost of marketing, prices and price factors. Open to juniors and pre-juniors. Prerequisite, Economics A.21-22.

PROFESSOR LEIGH

85. CONSUMER DEMAND. Second semester. Three credits.

This course gives a knowledge of the principles underlying consumption as an aid toward marketing and advertising. It considers what demand is, how elastic it is, how it can be modified or guided, the economics of style and fashion, the effect of consumer's income and credit, and the measuring of demand. Prerequisite, Economics A.21-22.

PROFESSOR LEIGH

86. SALES ADMINISTRATION. Second semester. Three credits.

This course presents the problems of marketing from the administrative standpoint. It treats problems of product and market analysis, demand creation, distribution, salesmen, sales campaigns, statistics, and summaries for managerial control. Prerequisite, 80. Not given in 1929-30.

PROFESSOR LEIGH

87. PRINCIPLES OF ADVERTISING. Second semester. Three credits.

This course treats the problems and scope of advertising and its place in business, human aspects of the market, appeals, presentation of appeals, media, and special fields of advertising. Class work is supplemented by special problems. Open to pre-juniors and juniors. PROFESSOR LEIGH

88. PROBLEMS IN SALES MANAGEMENT. Second semester. Three credits.

This is an advanced course covering the selection, training, compensation, management, and control of the sales force, and co-operation of the house, the salesmen, the advertising department, and the dealers. Methods of correlating the sales and production departments and of analyzing the market are given particular attention. Prerequisite, 86.

PROFESSOR LEIGH

***GENERAL COURSES FOR COMMERCE STUDENTS**

Commerce students are required to take Economics 20-21, Money and Banking A. 3, and the courses in Political Science listed below. Additional courses in Economics may be elected from those described.

ECONOMICS

PROFESSOR DAVIS

A.21-22. ECONOMICS. First and second semesters. Three credits each semester.

This course covers the basic principles of economics and is the foundation for all other courses in Commerce. It considers production, consumption and distribution of wealth; labor problems; money and banking, international trade and exchange; economic crises; transportation; agricultural problems; social programs; public receipts and expenditures. Required of all Commerce students.

PROFESSOR DAVIS

A.3. MONEY AND BANKING. Second semester. Three credits.

This course considers the principles and functions of money, credit and banking, credit instruments, credit and banking institutions, with especial attention to the Federal Reserve System. Prerequisite, 3 hours of Economics.

PROFESSOR DAVIS

A.4. FOREIGN TRADE AND FOREIGN EXCHANGE. Second semester. Three credits.

This course deals with recent tendencies in the foreign trade of the United States, principles of comparative cost, balance of trade, ocean shipping, handling and financing foreign trade, foreign bills of exchange, import and export credits, gold movements and the influence of investment and speculation, international creditor and debtor aspects, and governmental interference with rates of exchange and foreign trade. Prerequisite, 6 hours of Economics.

PROFESSOR DAVIS

*The letter "A" prefixed to a course number indicates that the course is given in the College of Liberal Arts.

**A.5. CORPORATION ORGANIZATION AND FINANCE. First semester.
Three credits.**

The different forms of business organization; the formation, promotion, and financial policies of corporations; nature and elements of capitalization, varieties of securities, methods of underwriting, distribution of profits, financing, failure and reorganization. Prerequisite, 6 hours of Economics.

PROFESSOR DAVIS

A.6 INVESTMENT. Second semester. Three credits.

This course deals with the nature, principles, classification and technique of investment; real estate loans; national, state and municipal bonds; investment analysis; railroad, public utility, industrial and financial institution securities. Prerequisite, 6 hours of Economics.

PROFESSOR DAVIS

MATHEMATICS

PROFESSOR JONES, MRS. LEIGH

58. MATHEMATICS OF FINANCE. First semester. Three credits.

This course takes up a study of simple and compound interest, annuities, depreciation, amortization, bond valuation, building and loan associations, the elements of the mathematics of life insurance. For Commerce students.

MRS. LEIGH

POLITICAL SCIENCE

PROFESSOR CRECRAFT

A.1. PROBLEMS OF CITIZENSHIP. First semester; repeated the second semester. Three credits.

This is a survey of a group of selected problems of citizenship with equal emphasis placed respectively upon social, economic, and political problems. It is an introductory course to the social and political sciences, based on text books, readings, and discussions.

A.2. AMERICAN GOVERNMENT. Second semester; also given the first semester. Three credits.

This course gives the student an introductory survey of the basic principles, the practical administration, and the foreign relations of the American Government.

A.20. GOVERNMENT AND BUSINESS. Second semester. Three credits.

This course is intended to acquaint students with the relation of government to business. It covers the following topics: necessity for regulation, methods of control, regulating bodies, government ownership, regulation of competition, control of corporations, trusts and labor organizations, government promotion, public activities of business organizations, elements of a national business policy, and activities of governmental agencies and departments. Open to juniors.

PROFESSOR CRECRAFT

SECRETARIAL SCIENCE

Two courses of study are offered in Secretarial Science, a four-year course (128 semester hours) leading to the degree B. S. in Secretarial Science, and a two-year course (64 semester hours) for the completion of which a certificate is granted.

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

The two-year curriculum is designed for those with a capacity for something higher than mere routine stenographic or clerical work, but who prefer not to spend more than two years on the college level in preparation. Technical subjects naturally constitute a larger proportionate part of this curriculum than of the four-year.

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

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

High School credits	Course entered in college	Credit given
1 year	Second year	Full credit
	First year	Half credit
2 years	Second year	Full credit
	First year	No credit

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

It is recommended that practical experience be secured during the summer vacations if possible. The Bureau of Student Employment is frequently able to place students in suitable positions. In addition, a limited number of student assistantships are available in the administrative offices of the University. Those who do part-time work during the college year should lighten their schedules accordingly.

The academic subjects listed below are described in the Buchtel College section of the general catalog and in the Buchtel College Bulletin, listed alphabetically by departments. The letter "C" indicates a course in Commerce; the letter "S" Secretarial Science. Sixteen semester hours (recitation hours per week) constitute the normal load.

OUTLINE OF TWO-YEAR CERTIFICATE COURSE

FIRST YEAR			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Rhetoric (English 1).....	3	Rhetoric (English 2).....	3
Secretarial Duties S. 1.....	3	Secretarial Duties S. 2.....	3
Problems in Citizenship (Political Science 1).....	3	Human Biology.....	3
Commercial Geography C. 20.....	3	Economic Development of U. S. C. 23.....	3
Physical Training.....	1	Physical Training.....	1
Shorthand S. 21.....	3	Shorthand S. 22.....	3
Typewriting S. 31.....	2	Typewriting S. 32.....	2

SECOND YEAR			
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Business Correspondence S. 5.....	3	Office Organization S. 6.....	3
Economics.....	3	Economics.....	3
Accounting C. 30.....	3	Accounting C. 31.....	3
Business Administration C. 60.....	3	Physical Training (Men).....	1
Physical Training (Men).....	1	Shorthand S. 24.....	3
Shorthand S. 23.....	3	Typewriting S. 34.....	2
Typewriting S. 33.....	2		

OUTLINE OF FOUR-YEAR DEGREE COURSE

GENERAL REQUIREMENTS

ACADEMIC		SECRETARIAL SCIENCE	
	Cr. Hrs.		Cr. Hrs.
English (Rhetoric 6, Literature 6).....	12	Secretarial Duties S. 1-2.....	6
Laboratory Science (Physics, Chemistry, Biology, or Botany).....	8	Business Correspondence S. 5.....	3
Human Biology.....	3	Office Management S. 10.....	3
Problems in Citizenship.....	3	Shorthand.....	12
Mathematics (College Algebra).....	4	Typewriting.....	8
Economics.....	6		32
History.....	6		
Political Science.....	6		
Psychology or Sociology.....	6		
Academic Electives.....	10		
	64		16

PHYSICAL EDUCATION, MILITARY SCIENCE, AND ELECTIVES

(The electives may be either Academic, Commerce, or Teachers College subjects which are approved for the B. S. degree.)

MEN		WOMEN	
Physical Training.....	4	Physical Training.....	2
Military Training.....	4	Elective.....	14
Elective.....	8		16
	16		
		Total.....	128

FIRST YEAR OF THE DEGREE COURSE

Required freshman subjects are starred. Sufficient others should be chosen to total 16 or 17 hours each semester.

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
*Rhetoric (English 1).....	3	*Rhetoric (English 2).....	3
*Problems in Citizenship (Political Science 1).....	3	*Human Biology.....	3
*Secretarial Duties S. 1.....	3	*Secretarial Duties S. 2.....	3
*Physical Training.....	1	*Physical Training.....	1
*Military Science (Men).....	1	*Military Science (Men).....	1
Shorthand S. 21.....	3	Shorthand S. 22.....	3
Typewriting S. 31.....	2	Typewriting S. 32.....	2
Commercial Geography C. 20.....	3	Economic Development of United States C. 23.....	3
Foreign Language.....	3 or 4	Foreign Language.....	3 or 4
Algebra (Math. 1).....	4	Algebra (Math. 1).....	4

NOTE: Each student, with the advice and approval of the head of the department, will plan each succeeding year of this course so as to fulfill the general requirements already listed.

SUBJECTS OF INSTRUCTION

1. SECRETARIAL DUTIES. First semester. Three credits.

This fundamental course, required of all freshmen in Secretarial Science, aims to acquaint the student with the origin, nature, and scope of secretarial work, and with the duties performed in a modern office. Among the subjects considered are the handling and answering of mail, the securing of information, the preparation of itineraries, budgets, speeches, reports, and documents, proofreading, and the writing of minutes.

MR. DOUTT

2. SECRETARIAL DUTIES. Second semester. Three credits.

While continuing in a general way the work of the first semester, this course stresses especially such subjects as indexing and filing, the use of various office appliances and mechanical devices, and other practical phases of secretarial and general office work.

MR. DOUTT

5. BUSINESS CORRESPONDENCE. First semester. Three credits.

In applying the principles of English composition to business letter writing, both theory and practice are emphasized. Various types of business correspondence, such as sales letters, collection letters, applications for positions, adjustment letters, and business reports are written, examined, and criticized. Prerequisite, Rhetoric 1-2.

MR. DOUTT

6. OFFICE ORGANIZATION. Second semester. Three credits.

An analysis of the modern business office and its historical development, including such matters as the functions of the office, disposition of space, light, heat, ventilation, furniture, equipment and mechanical devices in the office, and various types of records. Open to all upper classmen.

MR. DOUTT

10. OFFICE MANAGEMENT. Second semester. Three credits.

This course analyzes the office task from a scientific viewpoint, with especial reference to methods of improving existing conditions. The problems of office layout, routing of office work, personal motivation, handling of personnel, and standardizing office tasks are emphasized. Open only to juniors and seniors. Not offered in 1929-30. MR. DOUTT

21. SHORTHAND. First semester. Three credits.

This course is designed to give beginners in the Gregg system a thorough introduction to shorthand theory. MISS FLINT

22. SHORTHAND. Second semester. Three credits.

The second semester completes Gregg theory and begins practice in dictation. While no attempt is made to secure speed, emphasis being rather on accuracy and development of an extensive vocabulary, at the end of the year the student should be able to take a wide variety of dictation at a moderate rate and to read notes accurately. Prerequisite, Shorthand 21. MISS FLINT

23-24. SHORTHAND. First and second semesters. Three credits each semester.

Dictation practice begins with simple letters and articles, and proceeds gradually through a wide variety of increasingly difficult material, designed to develop speed, to convey a broad understanding of business terminology, and to provide extensive contact with the best forms of English expression. Prerequisite, Shorthand 22 or equivalent. Not offered in 1929-30. MISS FLINT

31-32. TYPEWRITING. First and second semesters. Two credits each semester.

This course not only provides thorough instruction in the touch system of typewriting, but includes also the care and use of the machine; practice in drawing up various business forms; drills in spelling, capitalization, and punctuation; use of carbon paper; simple tabulations; etc. MR. BISHOP

33-34. TYPEWRITING. First and second semesters. Two credits each semester.

The rapid transcription of letters, articles, speeches, and reports is followed by the taking of dictation directly on the machine. Practice is provided in legal work, difficult tabulations, and preparation of stencils. Considerable material is furnished by the students' other courses. Special attention is paid to the most approved methods of arranging letters, reports, manuscripts, and documents of various kinds. Prerequisite, Typewriting 32. Not offered in 1929-30. MR. BISHOP

THE TEACHERS COLLEGE

W. J. BANKES, A. M., *Dean*

GENERAL INFORMATION

The Teachers College was established in 1921 in co-operation with the Akron Board of Education, replacing the former Perkins Normal School of Akron. Teachers College is supported by both educational systems and for its faculty draws upon the teaching staff of both the Public Schools and the University. The work is specifically organized for the preparation and training of teachers for the Akron Public School System, the professional improvement of teachers already engaged in the Public School service, and the study of educational problems.

In general, the Teachers College is expected to achieve three purposes. The first of these is the affiliation of teacher training with the various colleges of the University, a situation which gives opportunity to all teachers in training to receive academic preparation along with the professional training.

Teacher training is based upon a broad academic field of knowledge and is applied to the actual educational situation as it exists in Akron. The Board of Education encourages this broader training by inducements in salary. The first year in the Akron Public Schools is try-out year. Graduation does not insure appointment to a teaching position in Akron. Selection is made on the basis of excellence in scholarship, professional training, personality and character.

The second purpose is to increase very considerably the opportunities for continued training for teachers already in service. Evening and Saturday courses are offered for those who wish them. It is hoped many will take courses leading to degrees and that the whole college organization will function as a source of knowledge, assistance and inspiration to the teachers in service.

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 the study

of these problems by the Teachers College will bring suggestions for methods in teaching, for new forms of training, and for various modifications of school work.

All students are under the rules governing students of the University and are entitled to all the privileges of the institution.

ENTRANCE REQUIREMENTS

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

The requirement for unconditional entrance is 15 units.

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

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

COURSES OF STUDY AND DEGREES

Teachers College trains teachers for all departments of the public school system. Those who finish four years, 128 semester hours in training, receive the Bachelor of Education degree. Graduate courses are open to any student who holds a Bachelor's degree from an accredited institution. The Master's degree is granted upon the completion of thirty-two hours of graduate work.

STUDENT TEACHING

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

*1½ units of Algebra for Vocational and Industrial Art Courses.

†Not required for Commercial, Vocational Education, or Industrial Arts Education Courses.

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

THE UNIVERSITY OF AKRON

OUTLINES OF COURSES

The letter "A" prefixed to a course number or following a course title in the following outlines indicates that the course is given in Buchtel College of Liberal Arts. "C" refers to Commerce, and "S" to Secretarial Science. Descriptions of these courses are found in the General Catalog or respective bulletins.

KINDERGARTEN-PRIMARY COURSE

Students who complete the Kindergarten-Primary course receive State certificates to teach the kindergarten and first or second grades in the elementary schools. At the end of the first year, each student must show sufficient ability in piano to receive the Dean's approval.

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Rhetoric A1	3	Rhetoric A2	3
Problems of Citizenship A1.....	3	American Government A.....	3
General Psychology 1.....	3	Nature Study 32.....	3
How to Study 1.....	1	Introduction to El. Ed. 8.....	3
Speech A	3	Art 1	2
Sight Singing 30.....	2	Sight Singing 31.....	2
Physical Education 1.....	1	Physical Education 2.....	1
Physical Education Theory 1.....	1	Physical Education Theory 2.....	1
	<u>17</u>		<u>18</u>

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology A1	4	Biology A2	4
English A	3	English A	3
Experimental Psychology 8.....	1	Experimental Psychology 9.....	1
Story Telling 11.....	3	Story Telling 12.....	3
Kindergarten-Primary Art 16.....	2	Educational Psychology 3.....	3
Play and Games 9.....	2	Play and Games 10.....	2
Kindergarten-Primary Music 5.....	1	Kindergarten-Primary Music 6.....	1
	<u>16</u>		<u>16</u>

THIRD YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English A	3	English A	3
Sociology A1	3	Sociology A2	3
Primary Methods 3.....	3	Primary Methods 4.....	3
Folk Games 11.....	2	Songs and Games 2.....	2
Experimental Psychology 10.....	1	Experimental Psychology 11.....	1
School Law 12.....	2	Kindergarten Curriculum	2
Personal Hygiene 31.....	2	History and Philosophy of Kindergarten 3	2
	<u>16</u>		<u>16</u>

FOURTH YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Play Materials 1.....	2	Student Teaching 9.....	6
Child Psychology 4.....	2	Student Teaching 23.....	6
Literature for Primary Grades 14.....	3	Problems of Student Teaching 26.....	4
Educational Sociology 2.....	3		
Principles of Elementary Education 9.....	3		
General Methods, Observation and Participation 25	4		
	<u>17</u>		<u>16</u>

FOUR YEAR COURSE FOR ELEMENTARY TEACHERS

Students training in this course will select the grades in which they plan to teach, and methods for these various grades must be taken. Students desiring to specialize for various positions in platoon schools should plan their courses accordingly.

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Rhetoric A1	3	Rhetoric A2	3
Problems of Citizenship A1.....	3	American Government A.....	3
Speech A	3	General Psychology 1.....	3
How to Study 1.....	1	Introduction to Elementary Educa-	
Physical Education 1.....	1	tion 2	3
Physical Education Theory 1.....	1	Physical Education 2.....	1
Art 1	2	Physical Education Theory 2.....	1
Sight Singing and Ear Training 30....	2	Art 2	2
	16	Sight Singing and Ear Training 31....	2
			18

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology A1	4	Biology A2	4
English A	3	English A	3
†Story Telling 11.....	3	Educational Psychology 3.....	3
History of Education in U. S. 3.....	3	Literature for the Grades 15.....	3
Experimental Psychology 8.....	1	Experimental Psychology 9.....	1
Play and Games 9.....	1	Play and Games 10.....	1
Observation 1	2	Electives	2
	17		17

THIRD YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Sociology A1	3	Sociology A2	3
Public School Music 9.....	1	Public School Music 10.....	1
Child Psychology 4.....	2	English A	3
Folk Games 11.....	2	Principles of Elementary Education 9	3
*Teaching Arithmetic 5.....	2	*Teaching History 7.....	2
*Teaching Language 6.....	2	*Teaching Geography 8.....	2
Experimental Psychology 10.....	1	Experimental Psychology 11.....	1
School Law 12.....	2	Psychology of Elementary School	
	15	Subjects	2
			17

FOURTH YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Tests and Measurements 6.....	2	Student Teaching 24.....	12
Art	2	Problems of Student Teaching 26.....	4
Educational Sociology	3		
Personal Hygiene 4.....	2		
General Methods, Observation and			
Participation 25	4		
Elementary School Administra-			
tion 108	2		
Elective	2		
	17		16

*Those preparing to teach primary grades will take Primary Methods and Literature for Primary Grades the first semester. The second semester they will take Primary Methods and Story Telling 12.

†Those preparing to teach intermediate grades will take Story Telling 13.

ART COURSE

This course is offered to students who desire to train for teaching and supervising Art in the schools. Upon its completion, the Bachelor's degree in Education is granted and a state certificate to teach Art is issued by the State Department.

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Rhetoric A1	3	Rhetoric A2	3
Play and Games 9.....	1	Play and Games 10.....	1
Story Telling 11.....	3	Story Telling 12.....	3
Art 1	2	Art 2	2
Still Life 9	2	Still Life 10	2
How to Study 1.....	1	Art 8	2
History of Education in U. S. 3.....	3	General Psychology 1.....	3
	<u>15</u>		<u>16</u>

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English A	3	English A	3
Commercial Art 14	2	Home and School Crafts 3.....	2
Clay Modeling 18.....	2	Home Planning 22.....	2
Costume Design 6.....	2	Free Sketch 19.....	2
Ancient History A17.....	2	Ancient History A18.....	2
Physical Education 3.....	1	Physical Education 4.....	1
Physical Education Theory 3.....	1	Physical Education Theory 4.....	1
Experimental Psychology 8.....	1	Educational Psychology 3.....	3
Kindergarten-Primary Art 16.....	2	Commercial Art 15	2
Classical Mythology 7.....	3		
	<u>19</u>		<u>18</u>

THIRD YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology or Botany A.....	4	Biology or Botany A.....	4
Home and School Crafts 4.....	2	Crafts 5	2
History of Art 20.....	2	History of Art 21.....	2
Illustration 12	2	Illustration 13	2
Stage Costume 27.....	2	Marionettes 17	2
Stage Craft	3	Principles of Elementary Education.....	3
	<u>15</u>	Pose 11	2
			<u>17</u>

FOURTH YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English A	3	Student Teaching 24	12
Child Psychology 4	2	Problems of Student Teaching 26.....	4
Psychology of Adolescence 12.....	2		
General Methods, Observation and Participation 25	4		
Methods in Art 24.....	2		
Electives	3		
	<u>16</u>		<u>16</u>

Students may elect Art as either a major or minor along with other majors for Junior and Senior High School teaching.

MAJOR—24 SEMESTER HOURS

	Semester Hours
Elements of Art 1.....	2
Design 2.....	2
Free Sketch 19.....	2
Still Life 10.....	2
Costume Design 6.....	2
Pose 11.....	2
Home Planning 22.....	2
Technique of Mediums 8.....	2
Commercial Art 14.....	2
History of Art 20.....	2
History of Art 21.....	2
Methods of Teaching Art 24.....	2
	—
	24

MINOR—18 SEMESTER HOURS

	Semester Hours
Elements of Art 1.....	2
Design 2.....	2
Free Sketch 19.....	2
Technique of Mediums 8.....	2
Costume Design 6.....	2
Home Planning.....	2
Commercial Art 14.....	2
History of Art 20.....	2
History of Art 21.....	2
	—
	18

COURSE FOR MUSIC SUPERVISORS
AND SPECIAL TEACHERS

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Rhetoric A1.....	3	Rhetoric A2.....	3
General Psychology 1.....	3	History of Education in U. S.....	3
Folk Games 11.....	2	Folk Games 12.....	2
How to Study 1.....	1	Harmony.....	2
Elementary Theory and Harmony.....	2	Sight Singing and Ear Training 31.....	2
Sight Singing and Ear Training 30.....	2	Piano.....	2
Voice.....	1	Voice.....	1
Piano.....	2	Glee Club.....	1
Glee Club.....	1	Orchestra.....	1
Orchestra.....	1		—
	18		17

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology A1.....	4	Biology A2.....	4
English A.....	3	Educational Psychology.....	3
Play and Games 9.....	1	Play and Games 10.....	1
Sight Singing and Ear Training 32.....	2	Sight Singing and Ear Training 33.....	2
Harmony.....	2	Harmony.....	2
Piano.....	2	Piano.....	2
Voice.....	1	Voice.....	1
Public School Music Methods 11.....	2	Public School Music Methods 12.....	2
	—		—
	17		17

THE UNIVERSITY OF AKRON

THIRD YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Speech A	3	Dramatic Study Club A.....	1
Counterpoint	2	Counterpoint	2
History and Appreciation of Music 35	3	History and Appreciation of Music 36	3
European History A7	3	European History A8.....	3
Piano	2	Piano	2
Voice	1	Voice	1
Orchestration 9	3	Conducting 12	2
String Ensemble	1	String Ensemble	1
		Music Composition	2
	18		17

FOURTH YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Principles of Education 9.....	3	Student Teaching 24.....	12
Organization in Public School Music 37	2	Problems of Student Teaching 26.....	4
Form and Analysis 10.....	3		
Brass and Wood Instruments 11.....	1		
General Methods, Observation and Participation 25	4		
English A	3		
	16		16

Students completing this course will receive the B. E. degree. Students may elect music as either a major or minor along with other majors for junior and senior high school teaching. Such teachers are certified by the State Department as special teachers of music.

Prerequisite for entrance to four year course is fourth grade examination in Piano, Violin or any instrument, which will be given during Freshman Week of the first term.

All Voice students will be required to attend and participate in Glee Club practice and activities. All students of Violin and other string instruments will be required to attend and participate in Orchestra rehearsals and activities. The same applies to the Band for those students who play Brass and Wood Wind instruments.

MAJOR—24 SEMESTER HOURS

	Semester Hours
Sight Singing, Ear Training and Elementary Theory.....	6
History and Appreciation	4
Special Methods and Practice Teaching.....	8
Ensemble (Glee Club, Orchestra, Chorus and Band) and Applied Music.....	4
Conducting	2
Total.....	24

MINOR—18 SEMESTER HOURS

	Semester Hours
Sight Singing, Ear Training and Elementary Theory.....	4
History and Appreciation	4
Methods including Observation	6
Ensemble (Glee Club, Chorus, Orchestra and Band) and Applied Music.....	4
Total.....	18

HOME ECONOMICS COURSE

The following course leads to the Bachelor of Education degree and eligibility for appointment in the Akron schools. Course descriptions are found in the College of Liberal Arts and School of Home Economics Bulletin.

FIRST YEAR

First Semester		Cr. Hrs.	Second Semester		Cr. Hrs.
Biology 1		4	Biology 2		4
Rhetoric 1		3	Rhetoric 2		3
Textiles 1		2	Textiles 2		2
Child Hygiene 25		3	Art 1		2
General Psychology 1		4	Nursing 26		3
Play and Games 9		1	How to Study 1		1
			Play and Games 10		1
		<hr/>			<hr/>
		17			16

SECOND YEAR

First Semester		Cr. Hrs.	Second Semester		Cr. Hrs.
Chemistry 1		4	Chemistry 2		4
Foods 15		4	Foods 16		4
Educational Psychology 2		2	History of Costume		2
History of Education in U. S. 3		3	Social Science		3
Social Science		3	Art 7		2
			Millinery 10		2
		<hr/>			<hr/>
		16			17

THIRD YEAR

First Semester		Cr. Hrs.	Second Semester		Cr. Hrs.
Chemistry 7		4	Chemistry 8		4
Bacteriology 19		4	Sanitation 22		3
Nutrition 19		3	Nutrition 20		3
Dress 5		2	Table and Meal Service 7		2
House 17		3	House 18		3
			Dress 6		2
		<hr/>			<hr/>
		16			17

FOURTH YEAR

First Semester		Cr. Hrs.	Second Semester		Cr. Hrs.
English Literature A		3	Student Teaching 24		12
Art 6		2	Problems of Student Teaching 26		4
General Methods, Observation and Participation 25		4			
Educational Sociology 2		2			
Tests and Measurements 103		2			
Special Methods		4			
		<hr/>			<hr/>
		17			16

COURSE FOR COMMERCIAL TEACHERS

Foreign language is not required for entrance. Graduates of this course are eligible for senior high school positions and are placed on the appointment list of the Akron schools. Completion of this course entitles the student to a state special certificate and Bachelor of Education degree. The letter "C" prefixed to a course number indicates that this course is described in full in the Commerce section of the General Catalog. The letter "S" means that the course is listed under the Secretarial Science division, and the letter "A" refers to the Liberal Arts section.

FIRST YEAR

First Semester		Cr. Hrs.	Second Semester		Cr. Hrs.
Rhetoric A1	.....	3	Rhetoric A2	.....	3
Physical Education 1	.....	1	Physical Education 2	.....	1
Physical Education Theory 1	.....	1	Physical Education Theory 2	.....	1
Secretarial Duties S1	.....	3	Secretarial Duties S2	.....	3
Problems of Citizenship (Political Science) A1	.....	3	American Government (Political Science) A2	.....	3
Shorthand S21	.....	3	Shorthand S22	.....	3
Typewriting S31	.....	2	Typewriting S32	.....	2
How to Study 1	.....	1	Economic Development of the U. S. C23	.....	3
		<hr/>			<hr/>
		17			19

SECOND YEAR

First Semester		Cr. Hrs.	Second Semester		Cr. Hrs.
Laboratory Science (Physics, Chemistry, Biology, or Botany)	.....	4	Laboratory Science (Physics, Chemistry, Biology, or Botany)	.....	4
Types of Literature (English 25)	.....	3	Types of Literature (English 26)	.....	3
Physical Education 3	.....	1	Physical Education 4	.....	1
Physical Education Theory 3	.....	1	Physical Education Theory 4	.....	1
History of Education in U. S. 3	.....	3	Human Biology	.....	3
Shorthand S23	.....	3	Shorthand S24	.....	3
Typewriting S33	.....	2	Typewriting S34	.....	2
		<hr/>			<hr/>
		17			17

THIRD YEAR

First Semester		Cr. Hrs.	Second Semester		Cr. Hrs.
General Psychology 1	.....	3	Educational Psychology 2	.....	3
Business Law C40	.....	2	Business Law C41	.....	2
School Law 12	.....	2	Principles of Education 9	.....	3
Business Correspondence S5	.....	3	Office Management S10	.....	3
Economics	.....	3	Economics	.....	3
Accounting C30	.....	3	Accounting C31	.....	3
		<hr/>			<hr/>
		16			17

FOURTH YEAR

First Semester		Cr. Hrs.	Second Semester		Cr. Hrs.
Psychology of Adolescence 101	.....	2	Student Teaching 24	.....	12
General Methods, Observation and Participation 25	.....	4	Problems of Student Teaching 26	.....	4
Technical or Academic Electives	.....	10			
		<hr/>			<hr/>
		16			16

FOUR-YEAR INDUSTRIAL ARTS AND VOCATIONAL EDUCATION COURSES

A student finishing this course is entitled to a Smith-Hughes certificate and B. E. degree. State requirement in Vocational experience must be met.

REQUIRED SUBJECTS

	Cr. Hrs.
English (Including Rhetoric 1 and 2).....	12
Economics	6
History	4
Sociology	3
Physical Education	2
First Aid	2
R. O. T. C.....	4
Personal Hygiene	2
Industrial Relations	2
Biology	4
Major	24
Industrial Drawing	6
Observation and Student Teaching	2
Educational and Vocational Guidance.....	2
Phil. of the General Continuation School	2
Organization and Administration of Vocational Education.....	2
History and Phil. of Vocational Education.....	2
Occupational Analysis	2
Organization of Instructional Material.....	2
Free Hand Drawing	2
Mathematics	11
Chemistry	4
Physics	4
How to Study	1
Educational Psychology	3
Principles of Education	3
Tests and Measurements	3
General Psychology	3
Methods of Teaching Vocational Subjects	3
Shop Management	2
Electives—Academic	4

Students desiring an Industrial Arts Education course will select a major of 18 hours in some Industrial Arts Subject such as Woodworking, Mechanical Drawing, Electrical Shop, Printing or Metal Working, and meet the requirements of the State in Student Teaching.

PHYSICAL EDUCATION

Students desiring to train for positions in teaching physical education have opportunity to get this training and receive the Bachelor of Education degree. The completion of this course entitles the student to a State certificate and a place on the appointment list in Akron.

FIRST YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Rhetoric A1	3	Rhetoric A2	3
Political Science A1	1-3	Political Science A2	3
History of Education in U. S. 3.....	3	General Psychology 1.....	3
Physical Education 1.....	1	Physical Education 2.....	1
Physical Education Theory 1.....	1	Physical Education Theory 2.....	1
First Aid and Massage 16.....	1	First Aid and Massage 17.....	1
Folk Games 11	2	Folk Games 12.....	2
Play and Games 9.....	1	Play and Games 10.....	1
How to Study 1.....	1	Introduction to Education 7.....	3
	16		18

SECOND YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Biology 1	4	Biology 2	4
English A	3	English A	3
Educational Psychology 3.....	3	Physical Education 4.....	1
Physical Education 3.....	1	Physical Education Theory 4.....	1
Physical Education Theory 3.....	1	Human Physiology 10.....	4
Human Physiology 9.....	4	Applied Anatomy 18.....	4
History of Physical Education 28.....	2		
Experimental Psychology 8.....	1		
	19		17

THIRD YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Sociology	3	Sociology	3
Prescription of Exercise 19.....	2	Corrective Exercise 20.....	2
Principles of Coaching 14.....	2	Principles of Coaching 15.....	2
Organization and Administration of Physical Education 21.....	3	Organization and Administration of Physical Education 22.....	3
Physical Education Practice 5.....	1	Physical Education Practice 6.....	1
Personal Hygiene 4.....	2	School Health 30.....	2
School Law 12.....	2	Principles of Education 9.....	3
School Health 29.....	2	Swimming 7	1
	17		17

FOURTH YEAR

First Semester		Second Semester	
	Cr. Hrs.		Cr. Hrs.
Physiology of Exercise 24.....	2	Student Teaching 24.....	12
Educational Sociology 2.....	3	Problems of Student Teaching 26.....	4
Psychology of Adoles. 101.....	2		
General Methods, Observation and Participation 25	4		
Electives	6		
	17		16

Students may elect physical education as a major or minor along with other majors for junior and senior high school teaching. Minor, 18 sem. hrs. Major, 24 sem. hrs. These courses must be taken in sequential order.

COURSES FOR HIGH SCHOOL TEACHERS

Students of Teachers College may spend four years in secondary education which places them on the appointment list in Akron for Junior High School positions. Such students must confer with the Dean and select majors and minors according to the requirements of the State Department of Education. Upon completion of the course, students receive the Bachelor of Education degree and the state certificate to teach in high schools of the state except in cities requiring five years of training. This is a very good course for students seeking appointments in Akron. A fifth year of work may be completed while teaching and entitles them to consideration for promotion to senior high school appointment. Students in secondary education will be required to take one year of Science, preferably Biology, 12 hours of English and 12 hours of the Social Sciences, besides carrying 2 majors of 24 hours each. All state requirements will be included.

FOUR-YEAR COURSE FOR HIGH SCHOOL TEACHERS

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Rhetoric A1	3	Rhetoric A2	3
Political Science A1.....	3	Political Science A2.....	3
General Psychology 1.....	3	History of Education in U. S. 3.....	3
Physical Education 1.....	1	Physical Education 2.....	1
Physical Education Theory 1.....	1	Physical Education Theory 2.....	1
How to Study 1.....	1	Electives	6
Introduction to Sec. Education 7.....	3		
Electives	2		
	<hr/>		<hr/>
	17		17

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Science (Biology preferred).....	4	Science (Biology preferred).....	4
English A.....	3	English A	3
Physical Education 3.....	1	Physical Education 4.....	1
Physical Education Theory 3.....	1	Physical Education Theory.....	1
Experimental Psychology 8.....	1	Experimental Psychology 9.....	1
Electives	5	Educational Psychology 3.....	3
	<hr/>	Electives	5
	15		18

THIRD YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Psychology of Adolescence	2	Psychology of H. S. Subjects.....	2
School Law 12.....	2	Sociology A	3
Sociology A	3	Experimental Psychology 11.....	1
Experimental Psychology 10.....	1	Methods of High School Subjects.....	3
Electives	8	Principles of Sec. Education 9.....	3
	<hr/>	Electives	4
	16		16

FOURTH YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Tests and Measures for Secondary Schools 103	2	Student Teaching 24.....	12
Educational Sociology 2.....	3	Problems of Student Teaching 26.....	4
General Methods, Observation and Participation 25	4		
Secondary School Administration 109	2		
Electives	5		
	<hr/>		<hr/>
	16		16

Students desiring appointment in Senior High Schools of Akron will spend five years in training. This training may be taken in Teachers College in which case the Bachelor of Education and Master of Education degrees are granted or

students may graduate from the Liberal Arts college with the Bachelor's degree and spend a fifth year in Teachers College for the Education degree. Students in the Liberal Arts College should select such courses in Teachers College as will enable them to prepare for state requirements and thus work off preliminary courses before the fifth year. These students may receive such information from the Dean of Teachers College.

GRADUATE COURSES

The graduate courses of Teachers College are open to any student who holds the Bachelor's degree from an approved institution. The Master's degree is conferred when the student has received thirty-two hours of unduplicated graduate credit, and has met the following requirements:

(a) All work for the degree must be done under the direction of Teachers College.

(b) The major in the graduate course must be logically related to the preliminary training, and may come from the departments of Education or Psychology.

(c) As a preliminary, six hours in psychology and six hours in education, including student teaching or its equivalent, shall be required.

(d) Each candidate for the degree must present a major sequence of not less than 18 semester hours' credit in some one department.

(e) The candidate must present one minor sequence of not less than 10 semester hours' credit. This sequence must have the approval of the head of the department in which the major sequence is taken, and must be taken in the department of Education, provided the major sequence has not been taken in that division and provided further the candidate has not presented the equivalent of 10 semester hours in Education in undergraduate courses.

(f) At least three-fourths of the work credited for the Master's degree must be of A or B grade.

(g) All candidates for the Master's degree shall offer 24 hours of strictly graduate credit and meet all other catalog requirements.

(h) Undergraduate courses offered for graduate credit shall be subject to the following restrictions:

They shall be subject to the approval of the Major Professor and the Dean of Teachers College.

All such approved undergraduate courses for graduate credit shall count for one-half of the number of hours regularly accredited to undergraduate courses.

No readings or reports shall be required from graduate students in undergraduate courses that are not required of others.

Not more than eight hours of graduate credit for such undergraduate work may be offered for a Master's degree.

(i) The candidate shall be required to present a satisfactory thesis on some subject in the general field of his major sequence. He will be required to take the seminar course extending throughout the year and present such parts of his thesis as may be decided upon by his major professor. The thesis and seminar shall be considered as a part of the 18 hours required for major.

(j) The candidate shall be required to take final oral and written examinations in his major and minor sequences.

The name of the degree granted shall be determined by the name of the Bachelor's degree submitted for entrance to the graduate courses.

Candidates for the Master's degree are expected to declare their candidacy at the beginning of the year's work. Recommendation for acceptance of candidates must come from the Department in which the major sequence is taken, at least one semester before the degree is granted. A diploma fee of \$10 is charged for the Master's degree.

ACADEMIC DEPARTMENTS

Students in Teachers College are assigned to classes in the Liberal Arts College for academic work in the various departments such as Mathematics, History, Political Science, Sociology, English, Speech, Foreign Language and the Sciences. Arrangements for assigning students desiring commercial subjects to the College of Engineering and Commerce have also been made. This affiliation makes it possible for students in Teachers College to prepare for teaching any academic or commercial subject and, at the same time, satisfy the State requirements for professional training. For description of academic or commercial subjects, see General Catalog or bulletins of respective colleges. Such subjects required in Teachers College courses are numbered as in the General Catalog of the University.

DEPARTMENTS OF INSTRUCTION

The general system of numbering and arrangement is according to the following groups:

Art	1-25
Education	1-14
Educational Psychology	3-14
Elementary Training	1-27
Industrial Arts and Vocational Education.....	1-32
Kindergarten-Primary Training	1-24
Music	1-38
Physical Education	1-32
Psychology	1-12

GRADUATE COURSES

Education	101-116
Educational Psychology	103-120
Psychology	102-113
Research	101-105

SUBJECTS OF INSTRUCTION

ART

MRS. BARNHARDT, MR. PEAT, MISS CABLE (MR. POND, MISS BARKER,
SEPTEMBER, 1929)

FRESHMAN AND SOPHOMORE COURSES

1. ELEMENTS OF ART. Either semester. Two credits.
A study of the basic principles of design, color and composition. This course is a prerequisite for all advanced courses.
2. DESIGN. Second semester. Two credits.
A study of the adaptation of units of design to definite spaces, and the consideration of the limitations of various mediums. A prerequisite for Craft courses.
3. CRAFTS. Second semester. Two credits.
Design applied to textiles by various processes. Prerequisite, 2.

6. **COSTUME DESIGN.** First semester. Two credits.
A study of the history of costume from the standpoint of line and color, and their relation and adaptation to modern dress.
7. **STAGE COSTUME.** First semester. Two credits.
A study of history of costume and its environment. Psychology of color. Color relation. Composition. Adaptation of period costume to definite characters.
8. **TECHNIQUE OF VARIOUS MEDIUMS.** Second semester. Two credits.
A series of progressive lessons using pencil, pen and ink, brush and ink, crayon, water color and oil.
- 9-10. **STILL LIFE.** First and second semesters. Two credits each semester.
A course in free-hand drawing from common objects and natural forms using different mediums. A thorough training in perspective. Prerequisite, 8.
- 14-15. **COMMERCIAL ART.** First and second semesters. Two credits each semester.
A course embracing the principles of advertising in connection with page arrangement, magazine, newspaper and poster layout. Standard forms of lettering and adaptation of material to reproducing processes.
16. **KINDERGARTEN AND PRIMARY ART.** First semester. Two credits.
Blackboard drawing. Free sketch. Paper cutting. Elementary design and color.
18. **CLAY MODELING.** First semester. Two credits.
Modeled and incised tiles and panels. Medallions. Small figures. Heads. Prerequisite, 2.
19. **FREE SKETCH.** Second semester. Two credits.
Line drawing of common objects. The application of simple perspective rules. Building up of figures.

JUNIOR AND SENIOR COURSES

4. **CRAFTS.** First semester. Two credits.
Design applied to leather, baskets, hooked rugs, wood. Prerequisite, 2 and 3.
5. **CRAFTS.** Second semester. Two credits.
Design applied to metal and clay. Prerequisite, 2, 3 and 4.
11. **POSE.** Second semester. Two credits.
Drawing from the draped model, studying the anatomy and working for a likeness. Pictorial and decorative treatment of the human figure. Prerequisite, 8, 9, 10.

- 12-13. ILLUSTRATION. Both semesters. Two credits each semester.
A study of principles underlying imaginative drawing, and modern processes of reproduction. Self expression through different mediums. Prerequisite, 8, 9, 10, 11.
17. MARIONETTES. Second semester. Two credits.
Designing and making marionette figures. Appropriate backgrounds and stage properties. Mechanical devices used in operation. Prerequisite, 20.
22. HOME PLANNING. Second semester. Two credits.
A study of types of houses. Making of floor plans and elevations of a definite house. Application of principles of design and color as related to home furnishings. History of furniture.
23. HOME PLANNING. First semester. Two credits.
A study of textiles, ceramics, metals from the standpoint of color and design. Arrangements of furnishings. Prerequisite, 7.
24. METHODS IN TEACHING ART. First semester. Two credits.
Methods of presentation of problems in primary, elementary and high school. Discussions on Art and general educational objectives and the newer tendencies in the teaching of Art. The co-operation of the museum with the Art department. Prerequisite, the completion of the required course for Art teachers.
20. HISTORY OF ART. First semester. Two credits.
A comprehensive history of European painting, sculpture and architecture from the earliest time to the Italian Renaissance.
21. HISTORY OF ART. Second semester. Two credits.
The history of European and American painting, sculpture and architecture from the Renaissance to the present time.

EDUCATION

DEAN BANKES, PROFESSOR KUHNES, ASSISTANT PROFESSOR WOOD, ASSISTANT PROFESSOR SLAGG, MR. SNYDER

FRESHMAN AND SOPHOMORE COURSES

1. HOW TO STUDY. Either semester. One credit.
The following items will be carefully analyzed: the problems of personal efficiency; the development of abilities in the conservation of human energy and talent; the practical significance of ideals, purposes and plans and the necessity for and technique of making an investigation or critical study.
ASSISTANT PROFESSOR WOOD
2. INTRODUCTION TO ELEMENTARY EDUCATION. Second semester.
Three credits.
A general course for prospective elementary school teachers. Topics: the teacher; the child; the teaching process; the American Public School and Education as a field for life work.
MR. SNYDER

3. HISTORY OF EDUCATION IN THE UNITED STATES. Either semester. Three credits.

The origin and development of educational institutions within the United States, emphasizing the social, religious, economic and political factors involved.

MR. SNYDER

32. NATURE STUDY. Second semester. Three credits.

The object of the course is to present materials and methods for the teaching of Nature Study. Science teachers in platoon schools will find this course especially helpful.

ASSISTANT PROFESSOR SLAGG

7. INTRODUCTION TO SECONDARY EDUCATION. First semester. Three credits.

A general course for prospective high school teachers. Topics: History of the secondary schools of Germany, England, France and the United States; characteristics of the secondary school pupil; the secondary school curriculum and the social and educational significance of extra-curricular activities.

MR. SNYDER

JUNIOR AND SENIOR COURSES

9. PRINCIPLES OF ELEMENTARY EDUCATION. Either semester. Three credits.

The investigations incident to the course are grouped as follows: the aims of public school education; favorable working conditions; general principles of learning; special types of learning; the technique of teaching.

ASSISTANT PROFESSOR WOOD

12. SCHOOL LAW. Second semester. Two credits.

History of educational legislation in Ohio, attendance laws, teacher certification, contracts, laws relating to administration and supervision, duties and responsibilities of school boards, superintendents and teachers, laws relating to special instruction, sanitation and fire drills.

13. HIGH SCHOOL METHODS. Second semester. Three credits.

A detailed study of the directed learning of high school pupils. Application of principles to specific subject matter. Thesis: principles applied to the student's major.

PROFESSOR KUHNES

GRADUATE COURSES

Open to seniors and graduate students.

101. PRINCIPLES OF SECONDARY EDUCATION. Second semester. Three credits.

An application to the direction of learning of the secondary school pupil of the principles of learning, aims of instruction and the different recitation modes.

PROFESSOR KUHNES

102. HISTORY OF EDUCATION. First semester. Two credits.

The historical development of education in the light of the development of western civilization. Thesis: The historical development of some school subject.

PROFESSOR KUHNES

103. HISTORY OF THE PHILOSOPHY OF EDUCATION. Second semester.
Two credits.

A study of the contributions of great thinkers, from Socrates to the present, to the development of an educational philosophy.

PROFESSOR KUHNES

104. GREAT TEACHERS. First semester. Two credits.

The contribution to educational philosophy and mental hygiene of representative great teachers. Thesis: Some great educator not discussed in class.

PROFESSOR KUHNES

105. COMPARATIVE EDUCATION. Second semester. Two credits.

The educational philosophy and organization of the United States, England, France, Germany, Italy, Australia, Canada, Danish countries, Russia, South America. Thesis: Educational philosophy and organization of some country compared with that of the United States.

PROFESSOR KUHNES

106. MODERN TENDENCIES IN EDUCATION. Second semester. Two credits.

A discussion of the outstanding tendencies in modern educational theory and practice.

PROFESSOR KUHNES

108. ELEMENTARY SCHOOL ADMINISTRATION. First semester. Two credits.

A course for the purpose of acquainting the student of Education with the origin, meaning and function, financial support, organization and management of the American elementary school.

109. SECONDARY SCHOOL ADMINISTRATION. Second semester. Two credits.

A course for the purpose of acquainting the student of Education with the origin, meaning and function, financial support, organization and management of the American secondary school.

113. EDUCATIONAL PHILOSOPHY. First semester. Two credits.

The educational aims and ideals as determined by the educational process, the nature of mind and the ideals of the race.

PROFESSOR KUHNES

114. CURRENT EDUCATIONAL THOUGHT. First semester. Two credits.

A critical analysis of the new books of the year. Each student presents a book.

PROFESSOR KUHNES

115. SUPERVISION OF STUDENT TEACHING. Second semester. Two credits.

A study of current practices and specific methods of supervision and direction of student teaching.

DEAN BANKES

EDUCATIONAL PSYCHOLOGY

PROFESSOR KUHNES, PROFESSOR HAYES, ASSISTANT PROFESSOR
WOOD, MR. SNYDER

FRESHMAN AND SOPHOMORE COURSES

3. EDUCATIONAL PSYCHOLOGY. First semester. Two credits.

For students who wish to meet state certification requirements and who have had no training in educational psychology. Attention particularly to the native equipment of children and to the learning process.

ASSISTANT PROFESSOR WOOD

JUNIOR AND SENIOR COURSES

4. CHILD PSYCHOLOGY. First semester. Two credits.

Pre-school child and early elementary grades; original tendencies; play attitudes and educational application; application of instinctive urges in training and control. Prerequisite, Psychology 1. PROFESSOR HAYES

5. PSYCHOLOGY OF THE EXCEPTIONAL CHILD. First semester. Two credits.

Case studies of deviates; methods of treatment; methods of diagnosis; neural instability, precocity, backwardness and feeble-mindedness. Prerequisite, Psychology 1. PROFESSOR HAYES

6. TESTS AND MEASUREMENTS FOR ELEMENTARY SCHOOLS. First semester. Two credits.

A course for the purpose of acquainting teachers with the uses of tests and testing, understanding the new type tests, the distribution of test scores and the interpretation of test results.

ASSISTANT PROFESSOR WOOD

7. THE PSYCHOLOGY OF ELEMENTARY SCHOOL SUBJECTS. Second semester. Two credits.

A course founded on the results of experiment and scientific research. The concern is particularly with aims, abilities, laws of association, satisfaction and repetition and the location and elimination of errors in the selection of materials for the various grades. Prerequisites, Psychology 1, Education 9. ASSISTANT PROFESSOR WOOD

12. PSYCHOLOGY OF ADOLESCENCE. First semester. Two credits.

Problems of pre-adolescence and the adolescence; physical and psychic changes, problems of differentiation in junior and senior high school age. Social and moral changes. Prerequisites, Psychology 1, Educational Psychology 3. PROFESSOR HAYES

13. EDUCATIONAL SOCIOLOGY. First semester. Three credits.

The data and principles derived from a study of social relationships are applied in educational problems. MR. SNYDER

GRADUATE COURSES

Open to seniors and graduate students.

103. TESTS AND MEASUREMENTS FOR SECONDARY SCHOOLS. Second semester. Two credits.

Topics stressed are: the necessity of testing in high school, the improvement of examinations; a critical study of tests for various subjects; the interpretation of results and sufficient statistical computations for determining test reliability.

ASSISTANT PROFESSOR WOOD

104. MENTAL HYGIENE. Second semester. Two credits.

Problems of mental health, conditioning of reflexes and their results, mental attitudes, causes and results, inhibitions and orderly associations. Prerequisite, Psychology 1.

PROFESSOR HAYES

109. PSYCHOLOGY OF THE HIGH SCHOOL SUBJECTS. Second semester. Two credits.

Problems of growth and reaction of the high school pupil. The content and critical evaluation of the subjects usually found in the high school curriculum.

ASSISTANT PROFESSOR WOOD

112. ANTHROPOLOGY OF THE SCHOOL CHILD. Second semester. Two credits.

An application of biological principles to the educational process.

PROFESSOR KUHNES

115. EDUCATIONAL SOCIOLOGY. First semester. Two credits.

Many of the school problems which have as their basis social conditions serve as material for investigation and discussion. Social conditions are analyzed in the light of their educational significance. The chief aim of the course is to analyze the social forces so that some of the problems of the school, the curriculum and the administration may be approached in a more satisfactory manner.

PROFESSOR HAYES

116. THE PSYCHOLOGY OF CHARACTER TRAITS. First semester. Two credits.

An attempt is made to attack the problem of character training systematically and without the usual disastrous mixing of sentimentality and artificiality. Ideals and situations, trait actions and specific individual development are the subjects which receive particular attention.

ASSISTANT PROFESSOR WOOD

119. STATISTICAL METHOD APPLIED TO EDUCATION. Second semester. Two credits.

The simple phases of the subject and the work ordinarily presented, with applications to educational data, up to and including partial and multiple correlations.

ASSISTANT PROFESSOR WOOD

ELEMENTARY TRAINING

DEAN BANKES, MISS HOOVER

FRESHMAN AND SOPHOMORE COURSES

1. OBSERVATION. First semester. Two credits.

Orientation; observation in all grades; group conferences; class discussions; reports; reading assignments based on previous observations. Two hours of observation, one hour of recitation per week. MISS HOOVER

15. LITERATURE FOR INTERMEDIATE GRADES. Second semester. Three credits.

Appreciation; the appreciation lesson; method; teacher's equipment; reading lists; reports; book reviews; devices; creative returns; value of literature in the grades; boys' and girls' interest in reading; oral reading; silent reading; objectives; motivation; extensive vs. intensive reading; reading vs. literature; materials; value of literature; work type; leisure time type; economy of silent reading in education.

MISS HOOVER

JUNIOR AND SENIOR COURSES

5. TEACHING ARITHMETIC. First semester. Two credits.

Objectives; fundamental principles; habits and skills; motivation; lesson types; subject matter; methods; diagnostic and achievement tests; remedial work; library readings; reports. Methods, two days; subject matter, two days per week. MISS HOOVER

6. TEACHING LANGUAGE. First semester. Two credits.

Materials; aims; methods; sentence structure; oral composition; written composition; vocabulary building; grammar; memorization; spelling; writing; library readings; reports. Methods, two days; subject matter, two days per week. MISS HOOVER

7. TEACHING GEOGRAPHY. Second semester. Two credits.

Units of geographical material; controls and responses; visualization; projects; problem method; map study; special reports; library readings; subject matter; types of lessons; practical demonstrations. Methods, two days; subject matter, two days per week. MISS HOOVER

8. TEACHING HISTORY. Second semester. Two credits.

Historical materials; aims; values; motivation; visualization; appreciation; lesson types; biography; methods; reading lists by grades; reports. Methods, two days; subject matter, two days per week.

MISS HOOVER

9. PRINCIPLES OF GEOGRAPHY. Both semesters. Three credits each semester.

A study of natural environment in relation to life.

10. GEOGRAPHY OF AMERICA. First semester. Three credits.

Natural resources and climatic features as they influence life forms, industries, cities and chief historic events in North and South America.

11. GEOGRAPHY OF EURASIA. Second semester. Three credits.

A study of the different nations with special emphasis on the influence of geographic conditions affecting the life and industries of the people.

13. STORY TELLING. First semester. Three credits.

Theory of story telling; preparation and presentation of the story; standards; characteristics of a good story; dramatization; types; story interests; adaptation; value of story telling; analysis; story teller's attributes; lists of stories; art of story telling. MISS HOOVER

24. STUDENT TEACHING. Either semester. Twelve credits.

Student teaching is done in the public schools of Akron in the various grade and high schools. A full semester is given to this subject. Certification of credits to the Registrar states the grade and subjects taught.

25. GENERAL METHODS, OBSERVATION AND PARTICIPATION. Either semester. Four credits.

All students are required to take this course the semester next preceding Student Teaching. The purpose of the course is to prepare students for entering upon their duties as cadet teachers. Observation of teachers at work and participation in school room practices make up part of the actual work of the semester. DEAN BANKES

26. PROBLEMS OF STUDENT TEACHING. Either semester. Four credits.

This is a conference course on classroom management and methods in the subjects taught in student teaching. Texts and references on management and methods will be studied. Required of all students doing student teaching. DEAN BANKES

INDUSTRIAL ARTS AND VOCATIONAL EDUCATION

MR. GREENLY, MR. JELLISON, MR. NEWMAN, MR. HUMMEL

1-2. WOODWORKING. Both semesters. Three credits each semester.

This is a course in tool processes. Bench work is stressed. Projects for junior and senior high schools are developed. Nine hours per week.

9-10. METAL WORKING. Both semesters. Three credits each semester.

Working knowledge of fundamental tool processes. Sheet metal projects are developed. Nine hours per week.

16. SHOP MANAGEMENT. Second semester. Two credits.

A study of housing conditions; factors governing selection and installation of equipment; problems of shop maintenance; individual and quantity methods of production; general conduct of the shop. MR. GREENLY

17-18. PRINTING. Both semesters. Three credits each semester.

A course in printing given in the school print shop. Nine hours per week.

20. PHILOSOPHY OF THE GENERAL CONTINUATION SCHOOL. First semester. Two credits.

Various studies and surveys of employed youth to establish the need for civic, social and economic training. Brief survey of the purposes of education as carried on in our public schools. Investigation of the early withdrawal of employed youth from school as a foundation upon which to base readjustments of the curriculum. MR. GREENLY

21. ELECTRICAL SHOP. First semester. Four credits.

A course in electrical shop work given in an electrical shop of the public schools. Twelve hours per week.

22. FIELD PROJECT. First semester. Four credits.

Each student in his senior year will work out a project suitable to his major subject in shop teaching.

24. DETERMINATION OF TEACHING CONTENT IN THE GENERAL CONTINUATION SCHOOL. First semester. Two credits.

Occupational studies; evaluation of text book materials; studies of experiences of employed youth, various bulletins; visual instruction through moving pictures and stereopticons; investigation of the relative merits of educational content available. MR. GREENLY

25. ORGANIZATION OF INSTRUCTION MATERIAL. First semester. Two credits.

Sources of course content; principles governing modern curriculum construction; effective arrangement of teaching content; application of governing principles. MR. GREENLY

26. METHODS OF TEACHING OCCUPATIONAL SUBJECTS. Second semester. Two credits.

Various methods of instruction in occupational subjects. Psychological principles are developed. Teaching devices are examined in terms of analysis and organization of curricular content. Teaching plans are required and their use explained and constructively criticized. MR. GREENLY

31. INDUSTRIAL AND EDUCATIONAL COORDINATION. Second semester. Two credits.

Procedure necessary to arrive at the problems of the employed youth; information that may be given teachers to assist in instruction; organizing, systematizing and filing information for continuous use; coordination as the special problem of harmonizing all efforts to promote the educational welfare of working youth. MR. GREENLY

KINDERGARTEN-PRIMARY TRAINING

Miss KEMLER

FRESHMAN AND SOPHOMORE COURSES

5-6. KINDERGARTEN MUSIC. Both semesters. One credit each semester. Described under Music.

7. PIANO. Both semesters. Two credits each semester.

This course consists of private lessons in piano.

PROFESSOR DE LEONE, MISS RIDER

11. STORY TELLING. First semester. Three credits.

Values of story-telling; story interests of young children; classification; selection; preparation; telling stories; returns from children.

MISS KEMLER

12. STORY TELLING. Second semester. Three credits.

Story groups; returns from children; story program for the year for kindergarten, first, second and third grades. Prerequisite, 11.

MISS KEMLER

16. KINDERGARTEN-PRIMARY ART. First semester. Two credits.

Described under Art.

JUNIOR AND SENIOR COURSES

1. PLAY MATERIALS. First semester. Two credits.

Materials, tools, purposes, and techniques in the use of clay, blocks, sand, paper, wood, roving, cloth, odds and ends; standards for judging work; desirable equipment for indoor and outdoor play.

MISS KEMLER

2. SONGS AND GAMES. Second semester. Two credits.

Rhythmic responses of young children from spontaneous rhythmic movements to organized rhythmic plays and games; rote singing; singing games; finger plays; kindergarten orchestra; appreciation; materials.

MISS KEMLER

3. HISTORY AND PHILOSOPHY OF KINDERGARTEN. First semester. Two credits.

Educational principles advanced by Pestalozzi, Rousseau, Froebel and Montessori; basic principles underlying kindergarten; history of kindergarten movement in America; principles and practice of modern kindergarten; importance of kindergarten in school program; unification.

MISS KEMLER

4. PRIMARY METHODS. First semester. Three credits.

The kindergarten-primary child; the primary classroom; equipment; the daily program; group activities; seat work; testing and classification; the teaching of language. Two hours of observation.

MISS KEMLER

5. PRIMARY METHODS. Second semester. Three credits.

The teaching of arithmetic; reading; phonics; spelling; handwriting. Two hours of observation.

MISS KEMLER

14. LITERATURE FOR THE PRIMARY GRADES. First semester. Three credits.

Children's interests; presentation of literature to young children; Mother Goose; poetry and rhymes; stories; creative returns; books suitable for kindergarten, first, second and third grades. MISS KEMLER

17. KINDERGARTEN CURRICULUM. Second semester. Two credits.

Underlying principles of early childhood education; kindergarten equipment; curriculum content; free period; rhythmic responses; educative material; curriculum construction based on children's needs and interests. Two hours of observation in kindergarten. MISS KEMLER

9. STUDENT TEACHING. Second semester. Six credits.

Students will teach in the Akron Kindergartens under normal conditions as they exist in the city.

23. STUDENT TEACHING. Second semester. Six credits.

Students preparing to do Kindergarten-Primary work will teach in Akron primary schools under conditions as they actually exist in the school room.

MUSIC

MR. FRANCESCO B. DELEONE, *Director*; MR. WILLIAM E. STRASSNER, MR. J. GARFIELD CHAPMAN, MR. FRANCIS J. SADLIER, MISS GENEVIEVE RIDER

The work in music is open to election by members of all college classes. It includes a recitation course in the study of music, meeting twice a week through the year, and participation in Glee Club, Band, or Orchestra, two hours each week.

All students desiring to participate in the class room work in music, or in Orchestra, Band or Glee Club, must arrange for it on registration days as part of their regular assignment of work for the semester. Students who desire to take no studies except music must fulfill the regular requirements for college entrance.

The University offers sixteen scholarships in piano, voice, and violin, for students who are taking the Kindergarten and Music Supervisors course, and to other students in music who are especially qualified and gifted. The scholarships are competitive and the selection is made by the Music Faculty. This procedure offers a splendid opportunity for students to further their musical education.

Opportunity is also offered for private instruction in piano under Mr. De Leone, in violin under Mr. Chapman, and in voice under Mr. Strassner. For information concerning fees consult Mr. DeLeone, director of music.

THE STUDY OF MUSIC. Both semesters. Two credits each semester.

This course is carried on as classroom work and is chosen from the following subjects: rudiments, theory of music and elementary harmony, thorough bass, ear training, first year history of music, biographical history of music, appreciation, study of operas, etc. Students are not allowed to enter the course in the middle of the year. MR. DE LEONE

- MEN'S GLEE CLUB.** Both semesters. One credit each semester.
MR. DE LEONE
- WOMEN'S GLEE CLUB.** Both semesters. One credit each semester.
MR. DE LEONE
- ORCHESTRA.** Both semesters. One credit each semester. MR. CHAPMAN
- BAND.** Both semesters. One credit each semester for students not in
R. O. T. C. MR. STRASSNER

THEORY COURSE

Students must take the Theory course in conjunction with Piano, Voice, or Violin in order to receive credit for the work.

FIRST YEAR

- 1-2. ELEMENTARY THEORY AND HARMONY.** Both semesters. Two credits each semester.

This study is carried on as classroom work and includes the rudiments of music in detail, Intervals, Triads, Chords of the Seventh, and Thorough Bass. Written and oral exercises on all subjects.

SECOND YEAR

- 3-4. THE CHORDS OF THE NINTH AND DIMINISHED SEVENTHS.** Both semesters. Two credits each semester.

The harmonization of major, minor and chromatic scales. Modulation and Transposition. Harmonization of given Melodies. Harmonization of given Bases. Suspensions, Retardations, Pedal Point, the Passing Note and the accompaniment. Prerequisite, first year's work. Text—Camillo De Nardis.

THIRD YEAR

- 5-6. COUNTERPOINT.** Both semesters. Two credits each semester.

Simple Counterpoint—rules and general instructions to be applied to all the Species of Counterpoint. Two Part Counterpoint through the five species. Three Part Counterpoint through the five species and variations. Four Part Counterpoint through the five species and variations. Imitation through all forms. Double, triple and quadruple Counterpoint. Fugue. Prerequisite, complete Harmony course.

- 8. MUSIC COMPOSITION.** Second semester. Two credits.

Original creative work based on the Chorale, Song Writing, Dance Forms, etc.

FOURTH YEAR

- 9. ORCHESTRATION.** First semester. Three credits.

The study of orchestral instruments; the string quartet—Brass—Wood Wind—Percussion; Score reading—Practical work in orchestration.

10. FORM AND ANALYSIS. First semester. Three credits.

Analysis of the smaller and larger forms, the motive, section, phrase, half period, period and double period. Song forms, the Sonata, etc. Choice of Classic literature—Mendelssohn—songs without words. Bach—Fugues. Sonatas—Mozart—Beethoven—Works of Chopin, etc.

11. BRASS AND WOOD WIND INSTRUMENTS (BAND). First semester. One credit.

Practical knowledge of same. Position—Tuning—Score Reading—interpretation—developing of ability to encourage and develop others.

12. CONDUCTING. Second semester. Two credits.

Practical work before Glee Club, Orchestra, Band in the art of conducting. Special emphasis will be placed also on the methods of organization and discipline.

PUBLIC SCHOOL MUSIC

MISS RIDER

5-6. KINDERGARTEN AND PRIMARY MUSIC. Both semesters. One credit each semester.

First semester: Kindergarten and First Grade; rhythm; song material; teaching of rote songs; care of the voice; treating monotones.

Second semester: Second and Third Grades; toy symphony orchestra; art songs; observation songs; ear work; method of teaching sight-reading. Prerequisite, at least one semester of Sight Singing and Ear Training.

9-10. PUBLIC SCHOOL MUSIC. Both semesters. One credit each semester.

First semester: Grades one to four; teaching of rote songs; correct use of the voice; material for oral tonal dictation; music reading; key signatures; studies in rhythm; how to teach sharp chromatics; two-part singing.

Second semester: Grades five to eight; triads; teaching of the minor scales; how to teach flat chromatics; three-part singing.

Prerequisites, Sight Singing and Ear Training 30-31.

11-12. PUBLIC SCHOOL MUSIC METHODS. Both semesters. Two credits each semester.

First semester: Material of kindergarten and primary grades; methods of teaching; music appreciation.

Second semester: Material of intermediate and upper grades; methods of teaching; music appreciation.

Prerequisite, one year of Theory, and Sight Singing and Ear Training. 30-31. (For those majoring in Public School Music.)

30-31. SIGHT SINGING AND EAR TRAINING. Both semesters. Two credits each semester.

First semester: Material for first three grades; drill on intervals; key signatures; drill on simple rhythms; major scale; normal minor scale; sharp chromatics; sequences.

Second semester: Material for grades four to six; chords; dotted beat note; triplets; doublets; flat chromatics; harmonic minor; melodic minor; two-part songs; three-part songs.

32-33. SECOND YEAR SIGHT SINGING AND EAR TRAINING. Both semesters. Two credits each semester.

First semester: Unison songs; two-part songs; three-part songs; one and two voice dictations; tone relationships of major and minor modes; chromatic problems; song analysis.

Second semester: Two-part songs; three-part songs; four-part songs; cadence forms; chord progressions; sequences; four-voice dictations.

Prerequisite, one year of Theory and Sight Singing and Ear Training 30-31.

35-36. HISTORY AND APPRECIATION OF MUSIC. Both semesters. Three credits each semester.

First semester: Music of primitive nations; music and instruments of the Bible; music of the early Christian Church; music and Renaissance; Polyphonic Age; opera and oratorio; periods of Bach, Handel, Haydn and Mozart.

Second semester: Advent of Beethoven; rise of Virtuosity and Romanticism; Wagner and the new operatic tendencies; American musical development and modern tendencies.

37. ORGANIZATION IN PUBLIC SCHOOL MUSIC. First semester. Two credits.

A study of the relationship obtaining among principals, teachers and supervisors through which good results in any special field may be secured. The elementary school curriculum; outlining work for teachers; grade meetings; visiting work; checking and reporting results. Voice teaching and classification; organization of chorus and orchestra; material for cantatas and operettas; arranging music schedules for high school.

PIANO
MR. DE LEONE

FIRST YEAR

1-2. PIANO. Both semesters. Two credits each semester.
Major and Minor Scales—Arpeggios—Broken Chords with Rhythm and in different forms; The Little Pischna—Hanon; Loeschorn Op. 66; Czerny Op. 299, Selected; Heller 50 Selected Studies; Bach-Reinecke

12 little preludes; Clementi and Kuhlau Sonatinas Selected; Selected Compositions from the Classics and contemporary masters. Two half hour lessons weekly throughout year.

SECOND YEAR

3-4. PIANO. Both semesters. Two credits each semester.

Major, Minor and Chromatic Scales, Arpeggios, Broken Chords continued; Pischna; Loeschorn Octave Studies; Czerny Op. 740 Selected; Bach Two and Three Part Inventions; Easier Sonatas of Haydn—Mozart—Beethoven; Compositions selected from Chopin Valses and Mazurkas; Mendelssohn's Songs Without Words; Grieg and MacDowell Op. 390. Two half hour lessons weekly throughout the year.

THIRD YEAR

5-6 PIANO. Both semesters. Two credits each semester.

Scales, Major and Minor in Double 3rds and 6ths; Advanced forms of Arpeggios and Broken Chords, also special exercises; Kullak Octave Studies; Cramer 50 Selected Studies; Bach Selected from French and English Suites; Sonatas—Beethoven and others; Chopin Selected from Nocturnes—Impromptus—Preludes—Repertoires. Two half hour lessons weekly throughout the year.

FOURTH YEAR

7-8. PIANO. Both semesters. Two credits each semester.

Special work in Advanced Technique; Clementi—Gradus Ad Parnassum; Moscheles Op. 70; Bach—Preludes—Fugues—W-T-C—Selected; Chopin Etudes Op. 10 and 25; Schumann—Etudes Symphoniques; Repertoire selected from Lizst, Rubenstein, MacDowell and Moderns.

Requirement for graduation—public recital of a program from memory or a Concerto with 2nd piano or orchestral accompaniment.

VIOLIN

MR. CHAPMAN

FIRST YEAR

1-2. VIOLIN. Both semesters. Two credits each semester.

Gruenberg Scales and Chords, Book II; Mazas' Melodious and Progressive Studies, Op. 36, Books I and II; supplemented with selected solos, duets and parallel studies.

SECOND YEAR

3-4. VIOLIN. Both semesters. Two credits each semester.

Scales and Chords, Book II—Gruenberg; 24 Studies Op. 80, Books I and II—Hans Sitt; Kreutzer 42 Studies begun; supplemented with solos, duets and parallel studies.

THIRD YEAR

5-6. VIOLIN. Both semesters. Two credits each semester. Scales and Chords, Book II; Kreutzer 42 Studies continued; Fiorillo 36 studies begun; DeBeriot Concertos 7 and 9.

FOURTH YEAR

7-8. VIOLIN. Both semesters. Two credits each semester. Fiorillo continued; Rode 24 Studies; Mendelssohn Concerto; Introduction and Capriccio—Saint-Saens; Sixth Sonata E mj. Bach.

VOICE

MR. STRASSNER

The aim of the instruction in Voice is to secure a free, natural tone throughout the entire register. Good tone depends upon a body and vocal apparatus, poised and operating so naturally that there is no ruinous interference from the tightening of any part of the vocal organs from the larynx upward, nor any strain caused by unnatural breathing.

Correct use of the breath intonation, attack legato, accent, embellishments, phrasing and enunciation are taught in the technical drills.

It is the hope to prepare pupils for teaching, church choirs and the concert stage and through them advance the cause of artistic singing.

FIRST YEAR

1-2. VOICE. Both semesters. Two credits each semester. Principles in the proper production of tone for both speaking and singing. Reading and reciting of poetry for the development of imagination as the basis of expression. Selected vocalises involving the study of intervals, major and minor scales and arpeggios. Suitable songs and ballads for diction and interpretation. Two half hour lessons per week.

SECOND YEAR

3-4. VOICE. Both semesters. Two credits each semester. Continued drill on tone according to the needs of the individual student. More advanced vocalises such as Concone, Lamperti and others. Art songs by classic and modern composers. Must take part in student recitals and ensemble singing. Two half hour lessons per week.

THIRD YEAR

5-6 VOICE. Both semesters. Two credits each semester. Continued technical studies and embellishments. More emphasis on style and expression. More advanced vocalises by Bordogni, Concone, Sieber and others. More difficult songs by composers of the Classics. Recitals and ensemble singing. Two half hour lessons per week.

FOURTH YEAR

7-8. VOICE. Both semesters. Two credits each semester. Repertoire—Selected recitatives and arias from Oratorio and Grand Opera. Complete role in one or more oratorios. Classics of various nationalities sung in the original language. Ensemble singing. Public graduation recital from memory. Supervised teaching and pedagogy. Two half hour lessons per week.

PHYSICAL EDUCATION

PROFESSOR SEFTON, ASSISTANT PROFESSOR BLAIR, MR. SMITH, MISS DUNCKLEY

FRESHMAN AND SOPHOMORE COURSES

1-2. PHYSICAL EDUCATION. Both semesters. Two credits each semester. This course deals with instruction and practice in physical education for the first four grades in the elementary school. Two hours per week, one credit.

The theory of physical education given one hour per week, one credit.

The practice consists of: outdoor work, hockey and soccer; indoor: beginners' gymnastic tactics, beginners' gymnastics, fundamental nomenclature for work; part of period devoted to gymnastics and seasonable indoor games for class of college freshmen; outdoor season in spring for spring work, namely, playground ball, track and volley ball.

MISS DUNCKLEY

3-4. PHYSICAL EDUCATION. Both semesters. Two credits each semester. Practice is two hours per week, one credit. It includes: outdoor work of hockey and soccer. Indoor: gymnastic tactics for last four grades, gymnastics for last four grades, application of nomenclature, part of period devoted to gymnastics, seasonable indoor games for class of college sophomores; outdoor season: more advanced work suitable for sophomores.

Theory of physical education is one hour per week, one credit. This course deals with instruction and practice in physical education for the last four grades in elementary school.

MISS DUNCKLEY

9-10. PLAY AND GAMES. Both semesters. One credit each semester.

Theory of play and practice of games with emphasis on how to teach them. The first semester is devoted to games of low and middle organization; the second to games of higher organization and minor sports. For both men and women.

MISS DUNCKLEY

11. FOLK GAMES. First semester. Two credits.

One-hour lectures are given once each week on characteristics and customs of various countries and theories of rhythmical games. Emphasis is placed on singing games and games of dramatization of simple rhythmical games and action games. Four hours per week.

MISS DUNCKLEY

12. FOLK GAMES. Second semester. Two credits.

One-hour lectures are given once each week on theories of technique of more advanced dancing and dancing nomenclature. More advanced rhythmical work is given in practice, more stress placed on rhythm and execution of more complicated dances. Part of practice time is devoted to action games also. Four hours per week. Prerequisite, 11.

MISS DUNCKLEY

16-17. **FIRST AID AND MASSAGE.** Both semesters. One credit each semester.

First semester. First Aid: bandaging, general injuries, fractures and dislocations, wounds, burns, scalds, sunstroke, frost bite, freezing, drowning, electric shock, poisoning and care for sick and injured; athletic conditioning, parts of body concerned in training, special injuries for each branch of athletics and treatment, hydrotheraphy, common ailments and supplies; adhesive tape and its use; practical work and the making of a first aid kit.

Second semester. Massage: strokes, physiological objectives, joint movements, systems, deformities, when and when not to use; special and general massage; its value to physical directors in every day work.

MR. SMITH

18. **APPLIED ANATOMY.** Second semester. Four credits.

Methods of studying muscular action; important muscles of the upper limb, shoulder girdle, shoulder joint, elbow, forearm, wrist and hand, lower limb, hip joint, knee joint and foot; muscles of the trunk, spinal column, breathing and upright posture, and team work among muscles; gymnastic movements; sports, industrial occupations; use and abuse, effects and suggestion of muscular activities.

MR. SMITH

28. **HISTORY OF PHYSICAL EDUCATION.** First semester. Two credits.

Types of physical education—Sparta, Athens, Roman era, Teutonic Invaders, Asceticism, Cathedral schools, Renaissance, Reformation; physical education leaders of Sweden, Denmark, Germany, England and the United States are discussed; systems abroad and at home, history, effects.

MR. SMITH

JUNIOR AND SENIOR COURSES

5-6. **PHYSICAL EDUCATION, THEORY AND PRACTICE COMBINED.** Both semesters. One credit each semester.

This course is designed to give women practice in more advanced work in all phases of physical education including advanced gymnastics, advanced theory and practice of Indian clubs, wands and dumb bells, practice of apparatus work and stunts and rhythmic work. This is to prepare for work for high school grades. Three hours per week. For women only.

MISS DUNCKLEY

5-6. **PHYSICAL EDUCATION PRACTICE.** Both semesters. One credit each semester.

First semester. Value of tumbling, how to teach it, rolling, balancing, stunts, pyramids and group work, pointers and programs for exhibitions; apparatus work, nomenclature, parallel bars, bunch, horse, rings, horizontal bar, and combinations; apparatus and its place in the program.

Second semester. Light apparatus, wands, indian clubs, dumb bells, methods, demonstration and participation. For men only. MR. SMITH

7. SWIMMING. Second semester. One credit.

Non-swimmers learn to swim; intermediate swimmers acquire new strokes; advanced swimmers improve their technique; mastery of life-saving, diving, water stunts, programs, methods of teaching beginners, and water front administration; administration of tests; program building.

MR. SMITH, MISS DUNCKLEY

12. PRINCIPLES OF COACHING. First semester. Two credits.

Lectures on football and basketball theory and technique. For men only.

PROFESSOR SEFTON, ASSISTANT PROFESSOR BLAIR, MR. SMITH

13. PRINCIPLES OF COACHING. Second semester. Two credits.

Lectures on theory and technique of baseball, track and field athletics. For men only.

PROFESSOR SEFTON, ASSISTANT PROFESSOR BLAIR, MR. SMITH

14. PRINCIPLES OF COACHING FOR JUNIOR WOMEN. First semester. Two credits.

Lectures on theories and technique and principles of hockey and soccer.

MISS DUNCKLEY

15. PRINCIPLES OF COACHING FOR JUNIOR WOMEN. Second semester. Two credits.

Lectures on theories and technique and principles of basketball, baseball for women.

MISS DUNCKLEY

19. PRESCRIPTION OF EXERCISE. First semester. Two credits.

The work covers recognized needs of remedial work, normalcy in the human, health and physical diagnosis, causes of defects and their detection, influence of posture on physical and mental growth, body types and type characters.

MR. SMITH

20. CORRECTIVE EXERCISE. Second semester. Two credits.

Technique of examination, organization, methods, schedule of exercise, and demonstration of correct exercises for each divergency. Prerequisite, 19.

MR. SMITH

21-22. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. Both semesters. Three credits each semester.

Objectives of physical education, principles of selection; classification of activities according to their values and adaptation to age, groups and sex; organization of material with reference to facilities, time allotment and objectives and the arrangement into well-balanced lessons. Lectures and recitations.

PROFESSOR SEFTON

24. PHYSIOLOGY OF EXERCISE. First semester. Two credits.

Effects of exercise upon bodily functions, value of general efficiency, removal of defects, faulty community and personal hygiene, character education through bodily activities, proper expressions of emotions. Types of exercise, effects upon circulation, heart rate, blood pressure, respiration, neuro-muscular mechanisms and senses.

MR. SMITH

26. STUDENT TEACHING. Either semester. Twelve credits.

Student teaching is done in the public schools of Akron in the various grade and high schools. A full semester is given to this subject. Certification of credits to the Registrar states the grade and subjects taught.

29-30. SCHOOL HEALTH. Both semesters. Two credits each semester.

The first semester deals with school sites, drainage, sanitation; beautifying; efficiency; school buildings, lighting, heating, sanitation; school furniture, seat equipment; gymnasium, size, care; school health problems, detection, remedies. The second semester's work deals with teaching health needs, programs, organization, tests, materials. MR. SMITH

31. PERSONAL HYGIENE. Either semester. Two credits.

The aim of this course is to give a scientific background for the various health activities of the school and the community. The important problem of the care of the body from both the individual and social viewpoints is carefully investigated. MR. SMITH

PSYCHOLOGY

PROFESSOR HAYES, ASSISTANT PROFESSOR WOOD

FRESHMAN AND SOPHOMORE COURSES**1. GENERAL PSYCHOLOGY.** Either semester. Three credits.

A course for the preparation of students for a general understanding of the feelings and emotions, motives and reactions of themselves and their fellow beings, and to prepare them for more advanced and specialized courses. ASSISTANT PROFESSOR WOOD

JUNIOR AND SENIOR COURSES**8. EXPERIMENTAL PSYCHOLOGY.** First semester. One credit.

Laboratory experimentation in the field of reactions to various sensory stimuli. Prerequisite, 1. PROFESSOR HAYES

9. EXPERIMENTAL PSYCHOLOGY. Second semester. One credit.

Continuation of course 8. Development of technique of experimentation; more complex reactions. Prerequisite, 1. PROFESSOR HAYES

10. EXPERIMENTAL PSYCHOLOGY. First semester. One credit.

The measurement of rates of learning, motor learning, learning of mazes. Prerequisite, 1. PROFESSOR HAYES

11. EXPERIMENTAL PSYCHOLOGY. Second semester. One credit.

Learning of complex material, foreign language, non-sense material, logical associations. Prerequisite, 1. PROFESSOR HAYES

GRADUATE COURSES

Open to seniors and graduate students.

102. SOCIAL PSYCHOLOGY. First semester. Two credits.

The psychological bases of customs, social groups, mobs, superstitions, social control, clubs, castes, publics and other social controls. Prerequisite, Psychology 1 and Educational Psychology 3.

PROFESSOR HAYES

103. ADVANCED PSYCHOLOGY. Second semester. Two credits.

A general intensive survey of the fields of psychology especially for graduate students who are majoring in education. Not open to undergraduates. Prerequisite, Psychology 1. PROFESSOR HAYES

105. GENETIC PSYCHOLOGY. Second semester. Two credits.

Basic course for graduate students in psychology. A knowledge of some biology is advantageous. Analysis of neural and mental reactions of lower order. Simpler processes of learning in man; early mental processes of the infant. Prerequisite, Psychology 1. PROFESSOR HAYES

106. ABNORMAL PSYCHOLOGY. Second semester. Two credits.

This course will consist of lectures, discussions and reports dealing with disorders of perception, association, memory, affection, volition, personality, judgment and action, with respect to their respective normal phenomena. Open to graduate students and those whose experience has fitted them for appreciative study in this field. PROFESSOR HAYES

107. PSYCHOLOGICAL SYSTEMS. First semester. Two credits.

The various theories, definitions and conceptions of psychology will be studied. Some library work will be required in the field of psychic causation and the theories of the subconscious. Prerequisite, Psychology 1. PROFESSOR HAYES

112. RESEARCH IN EXPERIMENTAL PSYCHOLOGY. Credit by arrangement.

Individual experimentation in the field of pure psychology or educational psychology. Problem subject to approval of the department. Prerequisite, Psychology 1. PROFESSOR HAYES, ASSISTANT PROFESSOR WOOD

RESEARCH**101-102. SEMINAR.** Both semesters. Two credits each semester.

Various members of the class will present theses, and special problems will be presented by invited persons. DEAN BANKES

103. THESIS. Four credits.

This course is open to graduate students and is required of all who are candidates for the Master's degree. Conferences by appointment are held during both semesters. In addition to the preparation of the thesis, at least two appearances before the Seminar are required. A fee of \$10 is charged for the thesis work.

104. RESEARCH PROBLEM. Credit by arrangement, one or two hours.

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 whose problem is approved, may receive credit. A fee of \$5 is charged.

EVENING AND SATURDAY COURSES

Evening and Saturday courses are offered throughout the year. Further information may be secured from Dean W. J. Bankes, or the Director of the Evening Session.

THE EVENING SESSION

LOWELL L. HOLMES, S. B., *Director*

PURPOSE

The Evening Session of the University of Akron brings to the adults of Akron and vicinity professional, mastery, and cultural courses of college grade. Education is a life-long process. One must keep abreast of the demands and opportunities of life. An individual or community that fails to provide for and recognize the opportunity for continued education will not only lose much of the richness, beauty and joy of life, but will also fall hopelessly behind in the economic struggle.

STANDARDS

The University of Akron maintains in all its departments courses of standard grade and is in every sense a standard American college, as is evidenced by its membership in such standardizing organizations as the Ohio College Association, the North Central Association of Colleges and Secondary Schools, and the American Council on Education. It is included in the approved list of the Association of American Universities for recommendation of the bachelor's degree to foreign universities, and is approved for pre-medical work by the American Medical Association. Its women graduates are eligible to membership in the American Association of University Women.

The Evening Session is a department of the University of Akron offering credit and non-credit courses. All credit courses are of standard grade.

ADMISSION

The Evening Session is open to all persons who have completed the course of a first grade high school, or to any individual over twenty-one years of age who is qualified to pursue a course of study. In cases of doubt, the applicant may be admitted on probation with the written consent of the Director and approval of the instructor.

REGISTRATION

Students register in September and in February for the following semester, in the main lobby of Buchtel Hall, on the University Campus. Registrations will be accepted also by mail. Use blank on last page of this bulletin. Payment of fees in full must accompany all registrations by mail.

Members of the faculty will be present at the time of registration to advise students regarding courses.

No student will be admitted to class work for credit after classes have been in session two weeks.

A late registration fee of \$1.00 is charged for registration after September 28, 1929, and February 8, 1930.

"STUDY WITH A PURPOSE"

Ambitious persons who invest their time in study should plan ahead and take advantage of those courses of training which will fit them for their own particular work. "Study with a Purpose" gives a definite goal.

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

Besides offering the prescribed subjects leading to a degree, the various colleges have developed certificate courses which require approximately thirty-six hours of college work. The following certificate courses are offered:

BUCHTEL COLLEGE OF LIBERAL ARTS: Writers Course.

CURTIS SCHOOL OF HOME ECONOMICS: Homemakers Course

COLLEGE OF ENGINEERING AND COMMERCE: Municipal Engineering, Industrial Electricity, Machine Design and Power, Industrial Production, Management, Accounting, and Secretarial, Association Courses in Advertising, Real Estate, Purchasing, Secretarial, and Building and Loan.

THE TEACHERS COLLEGE. Fine Arts, Art Design, Stage Design, Art Appreciation, Planned Study leading to certification by the State Department of Education. (See Teachers College Bulletin).

ACADEMIC CREDIT

College credit will be given on the basis of one credit hour for the completion of 15 clock hours of recitation work. Each hour of recitation should require two hours of library and home preparation to maintain college standards.

At the end of each semester the Registrar will mail the record of grades to the last known address of the student. On request, these records will be mailed to other colleges to apply toward a degree, or to the State Department of Education for certification, or to the student's employer.

STUDENT'S SEMESTER LOAD

Students holding full-time positions will be permitted to take six semester hours of work (90 hours of recitation) during any semester. Additional hours must be approved in writing by the Director. Teachers employed in the Akron Public Schools must have special permission to register for more than four credit hours in one semester.

THE EVENING SESSION CALENDAR, 1929-30

1929		FIRST SEMESTER					Week	SECOND SEMESTER					1930			
Month	Days	M	T	W	Th	F	S	M	T	W	Th	F	S	Month		
Sept.						*26	27	28				*6	7	8	Feb.	
Oct.		30	1	2	3	4	5	1	10	11	12	13	14	15		
		7	8	9	10	11	12	2	17	18	19	20	21	22	March	
		14	15	16	17	18	19	3	24	25	26	27	28	1		
		21	22	23	24	25	26	4	3	4	5	6	7	8		
Nov.		28	29	30	31	1	2	5	10	11	12	13	14	15		
		4	5	6	7	8	9	6	17	18	19	20	21	22		
		11	12	13	14	15	16	7	24	25	26	27	28	29		
		18	19	20	21	22	23	8	31	1	2	3	4	5	April	
		Thanksgiving Vacation														
Dec.		2	3	4	5	6	7	9	7	8	9	10	11	12		
								Spring Vacation								
		9	10	11	12	13	14	10	21	22	23	24	25	26		
		16	17	18	19	20	21	11	28	29	30	1	2	3	May	
		Christmas Vacation														
Jan.		6	7	8	9	10	11	12	5	6	7	8	9	10		
		13	14	15	16	17	18	13	12	13	14	15	16	17		
		20	21	22	23	24	25	14	19	20	21	22	23	24		
		27	28	29	30	31	1	15	26	27	28	29	30	31		

REGISTRATION

	THURSDAY	FRIDAY	SATURDAY
*First Semester _____	Sept. 26	Sept. 27	Sept. 28
*Second Semester _____	Feb. 6	Feb. 7	Feb. 8

9 A. M. to 9 P. M.

If you cannot be present in person, use mailing blank on page 49.
Payment of fees in full must accompany all registrations by mail.

Main Lobby—Buchtel Hall
University Campus
E. Buchtel Ave., at College St.
Akron, Ohio

Members of the Faculty of each College will be present for consultation. Pre-registration consultation can be arranged by appointment. Telephone Main 3630.

Class work and late registration begin September 30 and February 10.

No registrations will be accepted after October 12 and February 22.

EXAMINATIONS

A final examination is given in each subject for which credit is given. In examinations, as in class and home work, account is taken of the student's use of English, the form of the paper in general and the organization of material.

GRADING SYSTEM

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

"Conditioned" means that although the semester's work is not of passing grade the deficiency may be made up without repeating the course in class. Failure to remove the deficiency satisfactorily by the close of the student's next semester in the University shall convert the grade to F. No higher grade than "D" shall be 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 6 weeks of the student's next semester in the University shall convert the grade to F.

ATTENDANCE AND COLLEGE CREDIT

When a student has been absent from class as many hours as the subject offers credit hours in each semester, he may be dropped from the class upon recommendation of his instructor. Two tardinesses shall count as one absence.

DEGREES

Students seeking credit toward a degree either at the University of Akron or any other university should see the University Examiner to make sure that their entrance credits meet the requirements. Each candidate for a degree at the University of Akron must declare his intention to graduate at the time of registration in the fall prior to the June graduation exercises. Each candidate shall comply with all rules and regulations of the college granting the degree.

CONFERENCES BY APPOINTMENT

The Director will be available for consultation with students and prospective students each Wednesday evening after September 4, and at other times by appointment. The Deans of the Colleges or their representatives will interview by appointment students who are planning to take degrees in their respective colleges. Those wishing to meet the Deans will leave their names at the office and notice will be sent to them announcing the time for conference.

FEES AND EXPENSES

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

MAINTENANCE FEE

Payable by all students in the Evening Session.

For 1 or 2 credit hours.....	\$10.00
For 3 credit hours.....	15.00
For 4 credit hours.....	20.00
For 5 credit hours.....	25.00
For 6 credit hours or more.....	30.00

Public Lectures and Institute Fees.

For a two evening course.....	2.00
For more than a two evening course, in addition to the \$2.00, 50c per evening.	

GRADUATION FEE

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

MISCELLANEOUS FEES

A fee of \$1 will be charged students who have not completed registration, classification and payment of fees before September 30 for the first semester, and February 10, for the second semester.

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

Laboratory fees will be charged in those subjects in which incidental expenses are incurred. See course descriptions.

WITHDRAWALS

Necessary withdrawals on account of sickness or other cause entirely beyond the control of the student will be taken care of as the individual cases arise. Application for adjustment of fees and rules covering same may be obtained at the Director's office.

STUDENT ACTIVITIES

THE HILL-TOP EVENING STAR. The members of the Journalism classes publish this official organ of the Evening Session. It appears eight times during the college year and is distributed without charge to Evening Session Students. Contributors are not limited to those taking the Journalism classes, but the greater benefit may be obtained by class attendance.

THE EVENING LUNCHEON CLUBS. The Director of the Evening Session will welcome initiative on the part of students to organize evening "luncheon" clubs, to meet at 5:15 at the University Cafeteria in Curtis Cottage. The Cafeteria staff will provide a luncheon at a nominal charge. Speakers from the faculty and from the professional and business ranks of the city may be secured to provide entertainment or give instructive talks as the group desires. These evening luncheon clubs may be designated according to the evening on which they meet, for example, "The Monday Night Club."

THE MANUSCRIPT CLUB encourages writing as a vocation through the production, improvement, and mutual criticism of manuscripts. Membership is voluntary and admission is given upon evidence of ability in writing. The club is sponsored by the Writers Certificate Course of the Evening Session and active membership is open to those who have taken three semesters of the course. An initial fee of \$2.00 will establish a working fund for publication of worthy manuscripts; additional fees will be charged as determined by members. The club will be under the general direction of a faculty adviser. Prominent writers will be invited to speak and to lead discussions. Meets semi-monthly, Wednesday evenings, 8:00-9:30.

STUDENT CLUBS. The following clubs of the University are open to membership for students of the Evening Session who fulfill certain requirements. For complete details see the club's advisers, who are as follows:

- Art Club*—Mrs. Barnhardt, Phillips Hall.
- Biology Club*—Dr. Kraatz, Olin Hall.
- Commerce Club*—Professor Leigh, Engineering Building.
- French Club*—Professor Reed, Buchtel Hall.
- Spanish Club*—Miss Rogers, Buchtel Hall.
- Home Economics Club*—Miss Lathrop, Curtis Cottage.
- Manuscript Club*—Professor Pease, Phillips Hall.

THE EVENING SESSION STUDENTS' ASSOCIATION promotes social and cultural activities among the students. The Student Senate, the directing force of the Association, is elected in a most democratic manner. Each semester, at the first meeting of each class, a brief introduction is given of each member of the class. During the second week the class meeting goes into "caucus" for a period and elects a class representative and an alternate. At luncheon meetings during the third week these representatives or their alternates meet on class night, Monday, Tuesday, or Wednesday nights respectively, and each group selects a Senator. Thus four Senators representing the several nights, and one elected at large from the representatives constitute the Student Senate. The members of the senate from the previous semester are asked to attend the senate meetings in an ex-officio capacity.

BUCHTEL COLLEGE OF LIBERAL ARTS

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

The College of Liberal Arts endeavors to carry out the wishes of the Founder of Buchtel College, namely, "to secure the highest grade of classical, scientific and literary culture." Four-year courses are offered leading to the degrees of Bachelor of Arts and Bachelor of Science. See Liberal Arts College Bulletin for requirements.

*SCHEDULE OF CLASSES

Semester	Subject	Cr. Hours	Days	Hours	Room
BIOLOGY					
1-2	Economic Zoology, 63e-64e.....	2	W.	5:50-7:50	O 26
1-2	General Botany, 67e-68e.....	2	M.	5:50-7:50	O 25
1-2	General Geology, 69e-70e.....	2	W.	5:50-7:50	O 25
1-2	Man and Microbe, 71e-72e.....	2	T.	5:50-7:50	O 25
1-2	Human Biology (Men), A13e-14e.....	2	Th.	5:50-7:50	O 25
CHEMISTRY					
1	Chemistry in Life..... Public Lectures		F.	8:00-9:30	K 22
ECONOMICS					
1-2	Principles of Economics, A1e-2e.....	3	T.-Th.	8:00-9:30	K 22
1	Corp., Org. and Finance, A53.....	3	M.-W.	6:20-7:50	B 26
2	Investments.....	3	M.-W.	6:30-7:50	B 26
ENGLISH					
1-2	Corrective English, 1e.....	(3)	T.-Th.	8:00-9:30	E 32
1-2	Rhetoric, A1e-2e.....	3	T.-Th.	8:00-9:30	B 38
1	Short Story Writing, A5e.....	3	M.-W.	6:20-7:50	B 38
2	Dramatic Dev. in Fiction.....	3	M.-W.	6:20-7:50	B 38
1-2	Introduction to Literature, A25e-26e.....	3	T.-Th.	8:00-9:30	B 25
1	News Writing and Editing, 1e.....	3	W.	5:50-7:50	B 22
2	Contemporary Journalism.....	3	W.	5:50-7:50	B 22
1-2	Editing, 3e-4e.....	1	W.	8:00-9:00	B 14
2	Shakespeare Tragedies..... Public Lectures		F.	8:00-9:30	B 37
GREEK AND LATIN					
1	Readings from Greek Authors..... Public Lectures		F.	8:00-9:30	B 32
HISTORY					
1-2	American History, A11e-12e.....	3	M.-W.	6:20-7:50	B 25
MATHEMATICS					
1	College Algebra, A1e.....	4	M.-W.	5:50-7:50	B 13
1-2	Algebra, 1e.....	(3)	M.-W.	6:20-7:50	B 13
2	Trigonometry, A2e.....	4	T. Th.	5:50-7:50	B 13
1-2	Analytic Geometry, A3e-4e.....	2	T.	5:50-7:50	B 11
1	Differential Calculus, A5e.....	3	T.-Th.	6:20-7:50	B 13
2	Integral Calculus, A6e.....	3	T.-Th.	6:20-7:50	B 13
2	Business Mathematics, C58e.....	3	M.-W.	8:00-9:30	B 13
MODERN LAUGUAGES					
1-2	Beginning French, A1e-2e.....	4	M.-Th.	5:50-7:50	B 15
1-2	Second Year French, A3e-4e.....	3	M.-Th.	8:00-9:30	B 15
1-2	Beginning German, A1e-2e.....	4	M.-Th.	5:50-7:50	B 22
1-2	Second Year German, A3e-4e.....	3	M.-Th.	8:00-9:30	B 22
1-2	Beginning Spanish, A1e-2e.....	4	M.-Th.	5:50-7:50	B 11
1-2	Second Year Spanish, A3e-4e.....	3	M.-Th.	8:00-9:30	B 11
PHYSICS					
1-2	Gen. Introductory Physics, A2e-3e.....	3	T.-Th.	6:20-7:50	O 26
1-2	Technical Mechanics.....	2	M.	5:50-7:50	O 26
1-2	Physics, A2e-Lab., A3e-Lab.....	1	Sat.	8:00-11:00	O 12
2	Physics in Industry..... Public Lectures		F.	8:00-9:30	O 21

*ABBREVIATIONS USED FOR CAMPUS BUILDINGS IN CLASS SCHEDULES

B refers to Buchtel Hall; CC to Curtis Cottage; E to Engineering Building; K to Knight Hall; MH to Music House; O to Olin Hall; PH to Phillips Hall; SS to Spicer School; CHS to Central High School Building; HTS to Hower Trade School. The number after each letter indicates the room in which the class will recite; e designates Evening Session.

Semester	Subject	Cr. Hours	Days	Hours	Room
POLITICAL SCIENCE					
1	Prob. of Citizenship, A1e.....	3	T.-Th.	6:20-7:50	B 38
1	Municipal Government Forum, 5e.....	3	M.-W.	8:00-9:30	B 38
2	American Government, A2e.....	3	T.-Th.	6:20-7:50	B 38
2	Gov. and Social Welfare, A13e.....	3	M.-W.	8:00-9:30	B 38
SOCIOLOGY					
1	Introductory Sociology, A1e.....	3	M.-W.	6:20-7:50	B 37
2	Social Pathology, A2e.....	3	M.-W.	6:20-7:50	B 37
1	Sociology of Personality, 3e.....	2	M.	8:00-10:00	B 37
2	Sociology of Personality Adjustments, 4e.....	2	M.	8:00-10:00	B 37
1-2	Family Case Work, 11e-12e.....	2	T.	4:00-6:00	B 37
1	Advanced Urban Sociology (G).....	2	Th.	4:00-6:00	B 25
2	Social Philosophies (G).....	2	Th.	4:00-6:00	B 25
SPEECH					
1	Public Speaking, A1e.....	3	M.-W.	8:00-9:30	B 12
2	Advanced Public Speaking, A12e.....	3	M.-W.	8:00-9:30	B 12
1-2	Dramatic Production, A27e-28e.....	3	M.-W.	6:20-7:50	B 12
1-2	Interpretative Reading, A31e-32e.....	3	T.-Th.	6:20-7:50	B 12
1-2	Business Men's Public Speaking, 10e.....	2	T.	8:00-10:00	B 12
PHYSICAL EDUCATION					
1-2	Physical Education (Men), Sec. A.....	(2)	M.	7:00-9:00	Gymn.
1-2	Physical Education (Men), Sec. B.....	(2)	W.	7:00-9:00	Gymn.

BIOLOGY

PROFESSOR PLOWMAN, ASSISTANT PROFESSORS KRAATZ, SLAGG, FOX

63e-64e. **ECONOMIC ZOOLOGY.** Both semesters. Two credits each semester.

An elementary survey of the animal kingdom, with emphasis upon the economic phases of the subject; aquatic animal resources; fur industry; useful aspects of insects, birds, etc.; and foods and other useful products obtained from various animal groups. The course does not duplicate other evening courses or the zoological part of General Biology. W., 5:50-7:50.

61e-62e. **INSECTS AND MAN.** Both semesters. Two credits each semester.

To be given in 1931-32.

65e-66e. **ELEMENTARY ORGANIC EVOLUTION.** Both semesters. Two credits each semester.

To be given in 1930-31.

67e-68e. **GENERAL BOTANY.** Both semesters. Two credits each semester.

A study of the comparative anatomy, natural history, identification and classification of native mosses, ferns, and seed plants. The course is open to all evening students without prerequisite. M., 5:50-7:50.

69e-70e. **GENERAL GEOLOGY.** Both semesters. Two credits each semester.

A study of the materials of which the earth is made, of earth structure, of forces which are molding the earth, and of the changes it is undergoing. Historical Geology is not included. Special consideration is given to the physiography of the United States, and of the Akron region. No prerequisites. W., 5:50-7:50.

71e-72e. **MAN AND MICROBE.** Both semesters. Two credits each semester.

This is a series of lectures and demonstrations dealing with bacteriology and its applications to everyday life. Study is made of the uses of bacteria in the arts, and of the application of bacteriology to domestic, industrial and natural processes, as well as of the disease-producing bacteria. It is desirable that the student should have some knowledge of elementary Biology and Physiology. T., 5:50-7:50.

A13e-14e. **HUMAN BIOLOGY.** Both semesters. Two credits each semester.

Lectures and demonstrations, with some reference reading, dealing with the external relationships and internal functions of the human body, including a brief survey of the problems of heredity, development, health, and human adaptations. Open to men only. Th., 5:50-7:50.

CHEMISTRY

ASSISTANT PROFESSORS SCHMIDT AND COOK

CHEMISTRY IN LIFE. Public Lectures. No credit.

October 4—Early Developments in Chemistry.

October 11—The Rise of Iron and Steel.

October 18—The Water We Use.

October 25—The Air We Breathe.

November 1—The Food We Eat.

The remaining five lectures will be chosen by the vote of the class from the following subjects: The Earth's Crust; Clothing Materials, New and Old; Cleansing Agents; Colors, Yesterday, Today and Tomorrow; Fuels and Combustion; The Chemist as a Watchdog; Digestion and Assimilation; Synthetic Drugs and Modern Medicine; Rubber and Plastics; Petroleum and Gasoline. The dates for these five lectures are November 8, 15, 22, December 6 and 13.

These lectures are open to the public. The series of ten lectures will be held in Knight Hall on the University Campus, meeting from 8 to 9:30 p. m., each Friday night on dates specified. The Lecture Course fee of \$6.00 for the ten lectures is payable at the first meeting.

ECONOMICS

PROFESSOR DAVIS, ASSISTANT PROFESSOR HOLMES

A1e-2e. **PRINCIPLES OF ECONOMICS.** Both semesters. Three credits each semester.

The basic principles and concepts in economics, including the production, consumption and distribution of wealth; business organization; capitalistic combination; problems of labor; prices, wages, interest, rent and profits; money, credit and banking; international trade, foreign exchange, economic crises, transportation, agricultural problems, risks and insurance, taxation and public expenditures. This course or its equivalent is required for entrance for credit to other advanced courses. T., Th., 8:00-9:30.

A5e. CORPORATION ORGANIZATION AND FINANCE. First semester.
Three credits.

The different forms of business organization; corporate securities; problems of financing new enterprises; problems of current operations, corporation policies, treatment of earnings, expansion and consolidation, and procedures in failure, receivership and reorganization. Prerequisite, A1e or equivalent. M., W., 6:20-7:50.

A6e. INVESTMENTS. Second semester. Three credits.

The nature, principles and technique of investment; the different types of investment and speculative securities and institutions; the New York Stock Exchange, its organization, personnel, functions and practical operation. Practice in handling an investment portfolio, and constant use of the investment services. Prerequisite, A1e-2e or equivalent. M., W., 6:20-7:50.

ENGLISH

DEAN SPANTON, PROFESSOR PEASE, MISS FREEDLANDER, MISS RAW, MR. ROBERTS,
MISS STEVENSON, MR. STICKNEY, MR. VANCE.

WRITERS' CERTIFICATE COURSE

It is the purpose of this course, which is under the direction of Professor Pease, to train individuals from all walks of life in the art and technique of writing. The objective may be measured in two ways: by publication and by personal satisfaction of presenting ideas in a logical and orderly fashion.

The certificate is presented upon completion of 36 credits and evidence of proficiency in the field of writing. Eighteen credits are required and the other 18 credits may be elected, as follows:

REQUIRED		Credits
Rhetoric, A1e-2e		6
Advanced Composition, A3e		3
The Essay		3
Writing the Short Story, A5e		3
Dramatic Development in Fiction.....		3
ELECTIVE		
Development of the English Novel.....		3
English Literature		6
American Literature		6
Types of Literature		6
The Modern Drama		3
The English Novel		3
Sociology		3
Industrial History		3
Manuscript Club	No Credit	
English or American History.....		6
Economics		3
Psychology		3

A1e-2e. RHETORIC. Both semesters. Three credits each semester.

Elementary instruction in English composition; practice in expressing ideas. First semester, sentence and paragraph structure; the writing of short expository compositions. Second semester, analysis of description, argument, and narration, and the writing of longer papers within these types of composition. T., Th., 8:00-9:30.

1e. CORRECTIVE ENGLISH. Either semester. No credit.

A review of the prerequisites of Rhetoric A1e, including grammar, spelling, pronunciation, diction, and sentence structure. Students failing to pass the entrance examination to Rhetoric A1e will be assigned to this course. Open also to persons desiring a review of high school English. T., Th., 8:00-9:30.

A3e. ADVANCED COMPOSITION. First semester. Three credits.

Given in 1930-31.

A5e. SHORT STORY WRITING. First semester. Three credits.

The short story as conceived and taught by modern theorists, with especial attention to traits and motives; a substantial total of original story writing for the term. Prerequisite, Rhetoric A1e-2e. M., W., 6:20-7:50.

A25e-26e. INTRODUCTION TO LITERATURE: TYPES OF PROSE AND POETRY. Both semesters. Three credits each semester.

Literary types and characteristics rather than the historical development of English literature. Types of prose the first semester; types of poetry the second semester. T., Th., 6:20-7:50.

DRAMATIC DEVELOPMENT IN FICTION. Second semester. Three credits. This course involves study, practice, and criticism in the dramatic method used in the modern short story and novel. Its aim is to make the story reveal itself in the words, deeds, and various reactions of the characters themselves. Assigned readings will be good examples in the field of short plays, and prose fiction. Written exercises in dramatic revision will be required, followed by original work in short plays and dramatic short stories. M., W., 6:20-7:50.

A39e-40e. THE NOVEL. Both semesters. Three credits each semester.

Given in 1930-31.

A44e. THE MODERN DRAMA. Second semester. Three credits.

Given in 1930-31.

A45e-46e. AMERICAN LITERATURE. Both semesters. Three credits each semester.

Given in 1931-32.

1e. NEWS WRITING AND EDITING. First semester. Three credits.

The writing and editing of news; lectures by the instructor and by members of the staffs of Akron newspapers; assigned reports; exercises; and text book work. Members of the class write and edit "The Hilltop Evening Star," the newspaper of the Evening Session. W., 5:50-7:50.

2e. CONTEMPORARY JOURNALISM. Second semester. Three credits.

Continuation of News Writing and Editing with emphasis on the profession as a whole, staff organization, newspaper policies, and modern trends. Laboratory work in connection with the student newspaper. New students may enter at the opening of the second semester. W., 5:50-7:50.

3e-4e. EDITING. Both semesters. One credit each semester.

This class will have charge of editing The Hilltop Evening Star, student newspaper. Problems of publishing this paper will form the basis of informal discussions. Members of the class will alternate in holding various staff positions. The class will be limited to six students, selected from applicants by the instructor in charge. Prerequisite, News Writing 1e or 2e or equivalent. W., 8:00-9:00.

GREEK AND LATIN

PROFESSOR ROCKWELL

READINGS FROM GREEK AUTHORS. Public Lectures. No credit.

October 4—Homer's Iliad.

October 11—Sappho.

October 18—Aeschylus' Agamemnon, Form of the Tragedy; the Myth.

October 25—Aeschylus' Agamemnon, balance of the play. Illustrated as given at Harvard University.

November 1—Sophocles' Antigone.

The remaining five lectures will be chosen by the vote of the class from the following subjects: Aeschylus' and Sophocles' Idea of God; Egypt and Egyptian Religion, Pyramids (Illustrated); The Greek Temple from the Quarry to the Pediment (Illustrated); The Building of the Parthenon and Its Decorations (Illustrated); Gifts of the Public Spirited Roman Citizens to Their Home Towns; The Roman Caste System; Lost Arts (Illustrated). The dates of these five lectures are November 8, 15, 22, December 6 and 13.

These lectures are open to the public. The series of ten lectures will be held in Buchtel Hall on the University Campus, meeting from 8:00 to 9:30 p. m. each Friday on dates specified. The Lecture Course fee of \$6.00 for the ten lectures is payable at the first meeting. Professor Rockwell will give the lectures.

HISTORY

ASSISTANT PROFESSOR GARDNER

A11e. AMERICAN HISTORY TO 1865. First semester. Three credits.

The first part of this course is devoted to the colonial background of the nation. Then an exhaustive study is made of the formation of the Union, new nationalism. Jacksonian Democracy and the varied problems leading to the Civil War. M., W., 6:20-7:50.

A12e. AMERICAN HISTORY SINCE THE CIVIL WAR. Second semester. Three credits.

A study is made of the reconstruction, westward expansion and development; "Dominion over Pine and Palm"; the trust, tariff and monetary problems, concluding with a close survey of pre-war and post-war conditions. M., W., 6:20-7:50.

HISTORY OF ENGLAND PRIOR TO 1688. First semester. Three credits. To be given in 1930-31.

HISTORY OF ENGLAND SINCE 1688. Second semester. Three credits. To be given in 1930-31.

MATHEMATICS

PROFESSOR JONES, ASSISTANT PROFESSORS BENDER AND SILBERFARB, MISS LIPSCOMBE

A1e. COLLEGE ALGEBRA. First semester. Four credits.

A review of surds and exponents; linear and non-linear equations; proportion and variation, progressions, mathematical induction, binomial theorem, permutations, combinations, probability, complex numbers, determinants. M., W., 5:50-7:50.

1e. ALGEBRA. Either semester. No credit.

Students who are not prepared to take up College Algebra will take elementary algebra leading up to the study of simultaneous quadratics. M., W., 6:20-7:50.

C58e. BUSINESS MATHEMATICS. Second semester. Three credits.

This course deals with the calculations of business and the theory involved in such processes; logarithms and the use of formulas and tables; simple and compound interest; annuities; valuation of securities, amortization; the methods of financing corporations. M., W., 8:00-9:30.

A2e. TRIGONOMETRY. Second semester. Four credits.

Angles and their measurements; the trigonometric functions, fundamental identities, reduction theorems, addition and multiplication theorems, trigonometric equations, inverse trigonometric functions, right and oblique triangles, logarithms. T., Th., 5:50-7:50.

A3e-4e. ANALYTIC GEOMETRY. Both semesters. Two credits each semester.

A study of the straight line, circle, conic sections, and polar curves; transformation of co-ordinates, higher algebraic and transcendental curves, and a brief treatment of space co-ordinates and loci. Prerequisite, A1e-A2e. T., 5:50-7:50.

A5e. DIFFERENTIAL CALCULUS. First semester. Three credits.

The differentiation of functions of a single variable, maxima and minima, curve tracing, and simple applications to mechanics. Prerequisite 1, 2, 3, 4. T., Th., 8:00-9:30.

A6e. INTEGRAL CALCULUS. Second semester. Three credits.

General and special methods of integration, definite integrals, partial differentiation and applications to geometry, mechanics and physics. Prerequisite, 5. T., Th., 8:00-9:30.

MODERN LANGUAGES

PROFESSOR BULGER, ASSISTANT PROFESSORS REED AND KOTZ, MISS ROGERS,
MISS FANNING.

Candidates for entrance presenting but one year of Modern Language may take the second year on trial if they made a grade of 85%. If their grade was lower than 85%, they must take the first year's work and will receive only half credit for the work. Students who have had one year's work in a secondary school will receive half credit if they take the first year's work. Students who have had two or more years' work in a secondary school will receive no credit if they take the first year's work.

FRENCH

A1e-2e. BEGINNING FRENCH. Both semesters. Four credits each semester.

This course includes a thorough study of grammar with especial emphasis upon dictation and oral work. In the second semester work, grammar is continued with reading of two hundred or more pages of French. M., Th., 5:50-7:50.

A3e-4e. SECOND YEAR FRENCH. Both semesters. Three credits each semester.

Reading, Conversation and Composition. M., Th., 8:00-9:30.

GERMAN

A1e-2e. BEGINNING GERMAN. Both semesters. Four credits each semester.

Elementary grammar. Reading of easy prose and verse. Practice in speaking and writing German. M., Th., 5:50-7:50.

A3e-4e. SECOND YEAR GERMAN. Both semesters. Three credits each semester.

Reading, Conversation and Composition. M., Th., 8:00-9:30.

SPANISH

A1e-2e. BEGINNING SPANISH. Both semesters. Four credits each semester.

This course is designed to give intensive training in composition, dictation, conversation, and the reading of simple prose. M., Th., 5:50-7:50.

A3e-4e. SECOND YEAR SPANISH. Both semesters. Three credits each semester.

Reading, Conversation and Composition. M., Th., 8:00-9:30.

PHYSICS

PROFESSOR HOUSEHOLDER, ASSISTANT PROFESSOR ROLLEFSON, MR. FOUTS

A1e. MECHANICS, WAVE MOTION, AND SOUND. First semester. Three credits.

To be given in 1930-31.

A2e. HEAT, ELECTRICITY AND MAGNETISM. First semester. Three credits.

T., Th., 6:20-7:50.

A3e. LIGHT AND RADIATION. Second semester. Three credits.

T., Th., 6:20-7:50.

A2e-3e. PHYSICS LABORATORY. Both semesters. One credit each semester.

The laboratory requirements may be arranged for Saturday, 8:00-11:00 a. m. Laboratory fee \$4.00.

TECHNICAL MECHANICS. Both semesters. Two credits each semester. Comprehension course in applied mechanics beginning with statics in the first semester and continuing through kinetics in second semester. Special emphasis will be placed upon the applications and practical problems. A course in college physics. Mathematics through Calculus should precede this course. One lecture and problem per week. M., 5:50-7:50.

PHYSICS IN INDUSTRY. Second semester. No credit.

Public lectures to be given in Olin Hall on Friday evenings beginning February, 1930. Announcement to be made in January, 1930.

PHYSICAL EDUCATION

PROFESSOR SEFTON

PHYSICAL EDUCATION. Either semester. Two credits.

This class is open to any man who is interested in maintaining his physical health. Activities of the class will be adapted to the individual according to his age, physical condition and occupation. Two sections open for enrollment. M. or W., 7:00-9:00.

POLITICAL SCIENCE

PROFESSOR CRECRAFT, ASSISTANT PROFESSOR SHERMAN

A1e. PROBLEMS OF CITIZENSHIP. First semester. Three credits.

An introductory course including basic social, economic, and political problems of American social and civic life. T., Th., 6:20-7:50.

5e. MUNICIPAL GOVERNMENT FORUM. First semester. Three credits.

Course consists of discussions of city problems, with special attention to local administrative and consolidation movements. Outside speakers to be secured. Lectures may be attended by persons not desiring credit. Those desiring full credit will attend full time and do the required reading. (Equivalent to Municipal Government A5 or Municipal Administration A6.) M., 8:00-9:00, W., 8:00-10:00.

A2e. AMERICAN GOVERNMENT. Second semester. Three credits.

An introductory course leading to a major in political science, or fulfilling a minor requirement. Course deals with the structure and operation of the national, state, and local government. T., Th., 6:20-7:50.

A13e. GOVERNMENT AND SOCIAL WELFARE. Second semester. Three credits.

The work of government in promoting health, sanitation, safety, and recreation; and in caring for dependent and delinquent classes. A study of the social service side of our national, state and local government. M., W., 8:00-9:30.

SOCIOLOGY

ASSOCIATE PROFESSOR HAWTHORN, MISS MEANS

A1e. INTRODUCTORY SOCIOLOGY. First semester. Three credits.

The basic concepts and fundamental principles and methods of Sociology; the origin, development, structure and control of human society. M., W., 6:20-7:50.

A2e. SOCIAL PATHOLOGY. Second semester. Three credits.

The maladjustments in society; crime, poverty, delinquency, the juvenile offender, the pauper, the subnormal; and studies of correctional institutions and methods. M., W., 6:20-7:50.

3e. SOCIOLOGY OF PERSONALITY. First semester. Two credits.

The problem of personality in modern urban society; character formation; formation of personality; the city as an environment for human personality; analyzing and interpreting personality expansion; prejudices, biases and mental complexes; crises and social adjustments; sociology of dynamic and positive living. M., 8:00-10:00.

4e. SOCIOLOGY OF PERSONALITY ADJUSTMENT. Second semester. Two credits.

A continuation of Sociology of Personality; personality formation applied to opinion forming, crisis facing, ego saving, impression, expression, and social contact; maladjustments of the personality functions; programs for adjusting case personalities; urban personality types such as the hobo, gangster, or dweller-in-rooms; survey of agencies dealing with maladjusted personalities. M., 8:00-10:00.

11e-12e. FAMILY CASE WORK. Both semesters. Two credits each semester.

The principles and methods; case diagnosis, formation of case records and histories; policies and programs for effective relief work; technique of the modern family adjustment; specific and type cases will be analyzed and a treatment program developed. T., 4:00-6:00.

A5e. ADVANCED URBAN SOCIOLOGY. First semester. Two credits.

A more advanced and intense study of modern city life: the forces, environments, population movements, processes, that characterize urban

society; analyses and interpretations of the factors involved in character building, control of opinion, and social adjustment; recent surveys of urban and rural life; use of surveys and sociological measurements in evaluating and guiding welfare work. Open only to graduate students and such seniors and juniors as have completed nine credits in Sociology. Th., 4:00-6:00.

A6e. SOCIAL PHILOSOPHIES AND MODERN SOCIAL PROBLEMS. Second semester. Two credits.

A systematic study of such social philosophers as Plato, Seneca, Comte, Spencer, Ward, Tarde, Giddings, and Ross. Application of their thought to social problems of civilization; modern schools of social thought with reference to such modern problems as crime, divorce, family, poverty, population, eugenics, and child welfare; papers and discussions on selected books and articles indicating new trends in social philosophy. Open only to graduate students, and such seniors and juniors as have completed nine credits in Sociology. Th., 4:00-6:00.

SPEECH

PROFESSOR HAYWORTH, MISS McEBRIGHT, MR. MENDENHALL, MR. TURNER

A1e. PUBLIC SPEAKING. First semester. Three credits.

Practical public speaking to satisfy graduation requirements. M., W., 8:00-9:30.

A12e. ADVANCED PUBLIC SPEAKING. Second semester. Three credits.

A study of different types of speaking, such as sales talks, inspirational addresses, speeches of announcement, introduction and welcome, and others. This follows Speech 1, but those who have done some speaking may enter without a prerequisite. M., W., 8:00-9:30.

A27e-28e. DRAMATIC PRODUCTION. Both semesters. Three credits each semester.

Practical play production, including stagecraft, lighting, make-up, acting, and directing. Members of the class form the nucleus of a group from the Evening Session who will present plays from time to time. M., W., 6:20-7:50.

10e. BUSINESS MEN'S PUBLIC SPEAKING. Either semester. Two credits.

Study, lectures, and practice. This course is designed for salesmen and business men. The class is limited to twenty-five who are willing to enter heartily into class practice and discussion. T., 8:00-10:00.

A31e-32e. INTERPRETATION. Both semesters. Three credits each semester.

A study of dialect, humorous and dramatic readings and rehearsals in preparation for their presentation. M., Th., 6:20-7:50.

CURTIS SCHOOL OF HOME ECONOMICS

ELSIE M. MAXWELL, *Director*; MISS ELIZABETH LATHROP, MISS McMILLAN

SCHEDULE OF CLASSES

All classes in Home Economics will be held in Curtis Cottage.

Semester	Subject	Credits	Days	Hours
1-2	Clothing _____	2	Th.	7:00-9:00
1-2	Foods 1-2 _____	2	M.	7:00-9:00
1-2	Foods 3-4 _____	2	T.	7:00-9:00
1-2	Millinery _____	2	W.	7:00-9:00
1	Recent Dev. in Home Economics _____	2	M.	6:00-8:00
2	Home Managers' Buying Problems _____	2	M.	6:00-8:00

AIM

It is the purpose of this department to serve the community by providing household management and home economics education for adult women. The offering at present is small but will be enlarged as more courses are demanded.

EQUIPMENT

This department is equipped with an excellent food laboratory, and the Foods courses require the actual cooking of meals. A laboratory fee of \$3.75 is required to cover the cost of provisions and staples. Courses in clothing design have a well-equipped design and sewing room. The students will provide their own material for these classes. All classes are held in Curtis Cottage.

CLOTHING. Either semester. Two credits.

A clothing course will be planned to meet the wishes of the class. Fundamental art principles will be reviewed and their application made to the selection of design and material in relation to the figure, personality and coloring of the wearer. Th., 7:00-9:00.

1e-2e. FOODS. Both semesters. Two credits each semester.

This course deals with work to gain a knowledge of foods, and skill in manipulating them; methods of mixing, cooking and combining them. Care of foods. The planning and serving of simple meals. The details of the course to be worked out after the class has met. Reading and discussions are required. Laboratory fee, \$3.75. M., 7:00-9:00.

3e-4e. FOODS. Both semesters. Two credits each semester.

A course in cooking and the technique of foods including the planning, cooking, marketing and serving of meals, as well as the calculation of costs and the caloric value of foods used. Laboratory fee, \$3.75. T., 7:00-9:00.

MILLINERY. Either semester. Two credits.

A study of millinery as a direct application of Art principles. The personality of the wearer, the suitability of different types of hats to occasions, and the relation of the hat to the whole costume will be considered. Hats will be constructed from felt, ribbon, silk, straw, and combinations of these materials. W., 7:00-9:00.

30e. RECENT DEVELOPMENTS IN HOME ECONOMIC TEACHING. First semester. Two credits.

Problems in teaching the various phases of homemaking, including the selection, organization and the planning of courses of study; planning equipment; discussion of selection and use of text books and illustrative materials; a survey of the results of recent investigations in Home Economics Education. M., 6:00-8:00.

8e. THE HOME MANAGERS' BUYING PROBLEMS. Second semester. Two credits.

The buying of outer and under garments, yard goods, hosiery, shoes, hats, accessories, household linens, carpets, draperies and mattress problems; emphasis will be placed on points of construction which increase or decrease economic values and wearing qualities of the products. Open to all who are interested in increasing the efficiency of the money spent for clothing and household textiles. M., 6:00-8:00.

COLLEGE OF ENGINEERING AND COMMERCE

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

Training and experience in industry during the day with technical and business studies at night approaches very closely the co-operative course offered to the day students. All departments have planned certificate courses especially designed to fit students for greater service in industry. Registration by qualified adults may be made for all or any part of these planned certificate courses.

SCHEDULE OF CLASSES

E refers to Engineering Building; K to Knight Hall; O to Olin Hall; B to Buchtel Hall. The number after each letter indicates in which room the class recites.

Other abbreviations used:

ME—Mechanical Engineering; M—Machine Design; e—Evening Session; Mu—Municipal Engineering; C—Commerce; A—Arts; S—Secretarial Science.

Semester	Subject	Cr. Hours	Days	Hours	Room
ENGINEERING					
1-2	Engineering Drawing, ME1e-2e.....(3)		M.-Th.	8:00-9:30	E 41
1-2	Machine Drawing, M12e-13e.....(3)		M.-Th.	6:20-7:50	E 41
1-2	Practical Mathematics, M1e-2e.....(3)		M.-Th.	6:20-7:50	E 5
1-2	Practical Mechanics, M3e-4e.....(3)		M.-Th.	8:00-9:30	E 5
1-2	Industrial Electricity, 31e-32e.....(3)		M.-Th.	6:20-7:50	E 10
1-2	Industrial Electricity, 33e-34e.....(3)		M.-Th.	8:00-9:30	E 10
1-2	Electrical Laboratory, 35e-36e.....(3)		W.	6:20-9:20	E 10
1-2	Surveying, M1e-2e.....(3)		M.	7:00-9:00	E 15
1-2	Strength of Materials, Mu5e-6e.....(2)		M.	8:00-9:30	E 15
1-2	Municipal Engineering, Mu13e-14e.....(2)		W.	6:30-8:30	E 15
1	Steam Boilers, M18e.....(2)		M.	6:30-8:30	E 12
1	Gas and Oil Engines, M20e.....(2)		W.	6:30-8:30	E 12
1-2	Radio Communication, 71e-72e.....(3)		T.	6:30-9:30	E 10
2	Steam Engines and Turbines, M19e.....(2)		M.	6:30-8:30	E 12
1-2	Concrete Lab. and Reinforced Concrete, Mu9e-10e.....(2)		Th.	6:30-8:30	E 15
2	Machine Design.....(2)		W.	6:30-8:30	E 41
COMMERCE					
1-2	Accounting, C30e-31e..... 3		T.-Th.	6:20-7:50	E 35
2	Accounting, C30e..... 3		M.-W.	6:20-7:50	E 41
1-2	Accounting, 32e-33e..... 2		W.	8:00-10:00	E 13
1-2	Accounting, 37e-38e..... 2		T.	8:00-10:00	E 13
2	Interpretative Accounting, 35e..... 2		W.	8:00-10:00	E 35
1-2	Advertising, 87e-88e..... 2		M.	8:00-10:00	K 22
2	Applied Economics..... 1½		Th.	6:20-7:50	K 22
1	Auditing, 36e..... 2		W.	8:00-10:00	E 33
1	Building and Loan Practice..... None		T.	8:00-10:00	
1-2	Business Correspondence, S5e..... 2		W.	7:00-9:00	B 15
1-2	Business Facts and Forecasting, 57e-58e..... 3		M.-W.	6:20-7:50	E 13
1	Business Geography, C20e..... 3		T.-Th.	8:00-9:30	B 13
1-2	Business Law, 40e-41e..... 2		T.	8:00-10:00	B 26
1-2	Business Law, 42e-43e..... 2		Th.	8:00-10:00	B 26
1-2	Business Org. and Management, C60e-63e 3		M.-W.	6:20-7:50	O 21
1-2	Business Psychology..... 3		M.-W.	8:00-9:30	B 26
2	Cost Accounting, 34e..... 3		T.-Th.	6:20-7:50	E 13
2	Economic Dev. of the U. S., C23e..... 3		T.-Th.	8:00-9:30	B 13
1-2	Financial Organiza. and Mgt., 72e-73e..... 3		T.-Th.	8:00-9:30	O 21
1	Purchasing, 83e..... 1½		W.	7:00-9:00	E 34
2	Products and Prices, 84e..... 1½		W.	7:00-9:00	E 34
2	Real Estate Appraisals, 4e..... 1½		W.	8:00-9:30	K 22
2	Real Estate Financing, 3e..... 1½		W.	6:20-7:50	K 22
1	Real Estate Practice, 1e..... 1½		W.	6:20-7:50	K 22

Semester	Subject	Cr.		Days	Hours	Room
		Hours	Days			
1	Real Estate, Growth of Cities.....	1½	W.	8:00- 9:30	K 22	
1-2	Salesmanship	1½	M.	6:20- 7:50	K 22	
1	Marketing, C80e	3	M.-W.	8:00- 9:30	O 21	
1	Income Tax (Ten weeks)	2	W.	6:20- 9:30	E 14	
2	C. P. A. Review (Ten weeks), 39e	2	W.	6:20- 9:20	E 14	
1-2	Advanced Shorthand, S23e-24e	3	M.-Th.	8:00- 9:30	E 14	
1	Secretarial Duties, S3e.....	3	M.-Th.	6:20- 7:50	E 14	
1	Real Estate Selling Institute.....	None				
2	Real Estate Appraisals Institute.....	None				

INDUSTRIAL ELECTRICITY CERTIFICATE COURSE

PROFESSOR WALTHER, MR. SMITH

Required Subjects in prescribed order:

	Hours
Practical Mathematics, M1e-2e (See page 26).....	6
Engineering Drawing, ME1e-2e (See page 25).....	6
Practical Mechanics, M3e-4e (See page 26).....	6
Industrial Electricity, 31e-32e	6
Industrial Electricity, 33e-34e	6
Electrical Laboratory, 35e-36e	6

31e-32e. INDUSTRIAL ELECTRICITY. Both semesters. Three hours each semester. No credit.

This course covers the fundamental principles of electrical science as applied to modern industry, and includes the study of direct current circuits, machines and appliances; also the theory of inductance, condensers, and storage batteries. M., Th., 6:20-7:50.

33e-34e. INDUSTRIAL ELECTRICITY. Both semesters. Three hours each semester. No credit.

The theory of alternating current circuits and construction and operating characteristics of alternating current generators, motors, instruments, and transformers. Prerequisites, Industrial Electricity 31e-32e. M., Th., 8:00-9:30.

35e-36e. ELECTRICAL LABORATORY. Both semesters. Three hours each semester. No credit.

This course supplements the electrical theory given in Industrial Electricity 31e-32e, 33e-34e, and includes elementary exercises in electricity and magnetism and various practical tests on direct and alternating current machines and appliances. W., 6:20-9:20.

71e-72e. RADIO COMMUNICATION. Both semesters. Three hours each semester. No credit.

This course covers the theory of radio telephony, including the study of broadcasting and receiving. Approximately two hours of each period will be devoted to laboratory work, which will include tests of oscillators, modulators, detectors, and amplifiers. Prerequisites, Industrial Electricity 31e-32e. T., 6:30-9:30.

INDUSTRIAL PRODUCTION CERTIFICATE COURSE

PROFESSOR ADENDORF

Plans are in process to give training for foremen, production clerks, and junior factory executives. This will include Foremanship and Foremanship Problems, Factory Management, etc. If interested, write the Director of the Evening Session.

MACHINE DESIGN AND POWER CERTIFICATE COURSE

PROFESSOR GRIFFIN, ASSISTANT PROFESSOR UPP

	Hours
Practical Mathematics, M1e-2e	6
Engineering Drawing, ME1e-2e	6
Practical Mechanics, M3e-4e	6
Machine Drawing, M12e-13e	6
Strength of Materials, Mu5e-6e.....	4
Steam Boilers and Combustion, M18e.....	2
Gas and Oil Engines, M20e.....	2
Steam Engines and Turbines, M19e.....	2
Machine Design, M17e	2

ME1e-2e. ENGINEERING DRAWING. Both semesters. Three hours each semester. No credit.

Selection, care and use of instruments; exercises in lettering, sketching and mechanical drawing; orthographic projections, isometric and oblique drawing. M., Th., 8:00-9:30.

M12e-13e. MACHINE DRAWING. Both semesters. Three hours each semester. No credit.

Detail and assembly drawings of machine parts; elementary mechanism and machine design. M., Th., 6:20-7:50.

M17e. MACHINE DESIGN. Second semester. Two hours. No credit. Construction of machine parts; complete design of a simple machine. Prerequisite, M12e-13e. W., 6:30-8:30.

M18e. STEAM BOILERS AND COMBUSTION. First semester. Two hours. No credit.

Types of steam boilers; brief survey of combustion of fuels. M., 6:30-8:30.

M19e. STEAM ENGINES AND TURBINES. Second semester. Two hours. No credit.

Theory and operation of steam engines, steam turbines and their auxiliaries. M., 6:30-8:30.

M20e. GAS AND OIL ENGINES. First semester. Two hours. No credit. Design and operation of modern types of gasoline and oil engines; automotive and airplane engines. W., 6:30-8:30.

PRACTICAL MATHEMATICS AND MECHANICS

ASSOCIATE PROFESSOR GILMOUR

M1e-2e. PRACTICAL MATHEMATICS. Both semesters. Three hours each semester. No credit.

The fundamentals of arithmetic, algebra, geometry and trigonometry, in solving engineering problems. Special emphasis is laid on mensuration, solution of algebraic equations and triangles. M., Th., 6:20-7:50.

M3e-4e. PRACTICAL MECHANICS. Both semesters. Three hours each semester. No credit.

An elementary course in mechanics, the study of forces acting on bodies at rest and in motion. Stresses in simple trusses and cranes. Transmission of power by machines, loss of useful energy through friction and the efficiency of various mechanical devices. Prerequisite, Practical Mathematics M1e-2e. M., Th., 8:00-9:30.

MUNICIPAL ENGINEERING CERTIFICATE COURSE

PROFESSOR DURST, ASSISTANT PROFESSOR BULGER

Required Subjects in prescribed order:

	Hours
Surveying, Mu1e-2e	6
Practical Mathematics, M1e-2e (See page 22).....	6
Mechanics, M3e-4e (See page 22).....	6
Engineering Drawing, ME1e-2e (See page 22).....	6
Strength of Materials, Mu5e-6e.....	4
Concrete Laboratory, Mu9e	2
Reinforced Concrete, Mu10e	2
Municipal Engineering, Mu13e-14e	4

Mu1e-2e. SURVEYING. Both semesters. Three hours each semester. No credit.

Lectures, problems and field work. Instruction is given in the correct use of the tape, the level, and the transit. A study is also made of computing areas, note-keeping, and mapping. Saturday afternoon will be devoted to field work from October 5 to November 9. Second semester topographic surveying, profiles, contours and plane surveying is studied. Plane table work will be given. Field work will start April 26 and end May 23. M., 7:00-9:00.

Mu5e-6e. STRENGTH OF MATERIALS. Both semesters. Two hours each semester. No credit.

First semester stresses and deformations produced by tension, compression, and shear; riveted joints, elementary combined stresses and strains; tension; shear and moment diagrams; stresses and deflections of statically determinate beams. Classroom work in statically indeterminate beams; combined axial and bending loads; eccentric loads, and the theory and design of columns. Laboratory work in compression tests of brick, wood, cast iron, steel, and brass; commercial and laboratory tensile tests of steel; torsion test of steel, and the flexural test of a steel I beam. M., 6:30-8:30.

Mu9e. CONCRETE LABORATORY. First semester. Two hours. No credit. The standard tests on Portland cement, and concrete are conducted in accordance with the A. S. T. M. standards. Mixtures are designed and samples are tested for verification. The water-cement ratio is studied. Th., 6:30-8:30.

Mu10e. REINFORCED CONCRETE. Second semester. Two hours. No credit.

The subjects taken up in this course will be plain concrete, general properties of reinforced concrete, beams and slabs, flexure and direct stress, columns, foundations, reinforced concrete buildings, and retaining walls. Th., 6:30-8:30.

Mu13e-14e. MUNICIPAL ENGINEERING. Both semesters. Two hours each semester. No credit.

A brief course covering the entire field of municipal practice. Includes work in highways, sewer design, water supply, city planning, and the economics of city government. W., 6:30-8:30.

AERONAUTICAL COURSES

MR. QUEEN, DR. KLEMPERER

The University of Akron conducts a ground school course for both Heavier-Than-Air and Lighter-Than-Air pilots. This course follows the plans as outlined by the Aeronautical Branch of the United States Department of Commerce.

Additional information can be obtained by communicating with the Director of the Evening Session.

AERODYNAMICS. Either semester. One and one-half credits.

The course will be given provided fifteen students register for it. The course is open to engineering graduates and others who have completed two years of college mathematics and one year of college physics.

COMMERCE AND ADMINISTRATION

PROFESSOR LEIGH, MR. MCKEE, MR. DOUTT, MR. MARIWELL, MR. PARK, MR. HALL,
MR. LEWERS, MR. WALTZ, MR. HOLLISTER, MR. SIMMONS,
MR. SPEARMAN, MR. AMMERMAN

AIM

Instruction is planned to meet the needs of the business man who desires a deeper knowledge of associated fields of business endeavor. All courses are designed to inform and prepare the student to handle practical situations. To accomplish this purpose, the instructors use text books, practical problems, reference and home work, and discussion. Any executive can profit from these studies.

"STUDY WITH A PURPOSE"

Plan your study; then study your plan. A definite goal brings the best results from your application. If you are interested in Management, Accounting, Marketing, or Retailing, you can concentrate your efforts in that field by taking the basic subjects and electing the remaining hours in the option of your major interest. Thirty-six hours are required for a certificate; and fifty-two hours for an advanced certificate.

The plans are flexible and allow the student to pursue studies which will assist him in his profession. Much of the work is applicable to a college degree. (See the regular college bulletin for requirements for degree.)

ACCOUNTING CERTIFICATE COURSE

Required Subjects in prescribed order:

	Credits
Accounting, C30e-31e	6
Rhetoric, A1e	3
Business Correspondence, S5e	2
Accounting, 32e-33e	4
Economics, A1e	3
Contracts and Agency, 401e.....	2
Accounting, 37e-38e	4
Business Organization and Management, C60e-63e.....	6
Cost Accounting, 34e	3
Electives	3
	36
Advanced Certificate—required subjects:	
Electives approved by Head of Department.....	16

C30e-31e. ACCOUNTING. Both semesters. Three credits each semester. Introduction to the accounting details of business management; interpretation and recording of such transactions as the acquisition of assets, the borrowing of money, the incurring of expenses, the making of purchases and sales, the issuing of stock and bonds, and the amortization of bond premium and discount. Bookkeeping principles are mastered in practice sets of books. T., Th., 6:20-7:50.

C30e. ACCOUNTING. Second semester. Three credits.

32e-33e. ACCOUNTING. Both semesters. Two credits each semester. A continuation of C30e-31e. A series of graded problems; the form and content of the balance sheet; profit and loss statement; analysis of profits; application of funds; capital expenditures; depreciation policies; determination of cost for inventory valuations; installment accounts; consignments; branches and agencies; consolidations. W., 8:00-10:00.

37e-38e. ACCOUNTING. Both semesters. Two credits each semester. This course is intended for students who plan to enter the accounting profession. The problems cover such topics as partnerships, joint ventures, corporations, executors, administrators and trustees, accounting procedure in dissolutions, interpretation of partnership agreements, consolidated balance sheets, and statements of profit and loss, working capital, requirements, and actuarial science. T., 8:00-10:00.

34e. COST ACCOUNTING. Second semester. Three credits. Determination of profitable lines of endeavor; inventories; and information necessary to managerial policies. T., Th., 8:00-9:30.

39e. C. P. A. REVIEW. January, 1930 to March, 1930. Two credits. A ten weeks' intensive course; review of subjects, both law and accounting, required in examinations by state boards for licensing Certified Public Accountants, and by the American Institute of Accountants for admission as Associate. As preparation for this review, the student should have at least eighteen credit hours in accounting and four hours in management or equivalent business experience. W., 6:30-9:30.

INCOME TAX. October, 1929 to December, 1929. Two credits. This is a ten weeks' intensive course covering the federal income tax law, and the accounting procedures required under it. Some previous knowledge of accounting is required. W., 6:30-9:30.

35e. INTERPRETATIVE ACCOUNTING FOR BUSINESS MEN. Second semester. Two credits. Accounting as an administrative tool; balance sheets and profit and loss statements are analyzed and interpreted, financial and operating ratios are illustrated, and systems of records and reports are demonstrated. Business experience in at least some minor executive position is a prerequisite for this course. W., 8:00-10:00.

36e. AUDITING. First semester. Two credits. The theory and practice of auditing; problems and specimen working papers; the procedure involved in cash funds receivable, intangible assets, liabilities, accounts showing net worth, closing of an audit, and construction of audit reports. W., 8:00-10:00.

MANAGEMENT CERTIFICATE COURSE

Required Subjects in logical order to be taken:

	Credits
Rhetoric, A1e	3
Business Correspondence, S5e	2
Accounting, C30e-C31e	3 or 6
Economics, A1e-2e	6
Business Organization and Management, C60e-63e.....	6
Business Law, 40e	2
Public Speaking	2
Interpretative Accounting, 35e	2
Electives	10 or 7
	36

Chosen from the following:

Marketing, C80e	3
Business Law, 40e-41e	2 or 4
Advertising	2 or 4
Psychology	3
Salesmanship	1½

Advanced Certificate:

Electives approved by Head of Department.....	16
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C60e-63e. BUSINESS ORGANIZATION AND MANAGEMENT. Both semesters. Three credits each semester.

A proper perspective of the business organization. The business establishment is considered; various departments; the definite and vital function of each department. The managerial viewpoint is used; analytical approach to business problems. Class work is supplemented by problems and plant trips. Organization of a business; personnel management; the administration and carrying out of company relations are discussed and analyzed; conference and case method. M., W., 6:20-7:50.

57e-58e. BUSINESS FACTS AND FORECASTING. Both semesters. Three credits each semester.

The collection of business facts, their analysis and interpretation, and use in forecasting and planning stressed. To help the executive assemble and interpret his sales, collection, general market information and to make use of agency services and business barometers is the aim. A careful study is made of the business cycle; individual businesses are analyzed to show their movements in relation to the cycle; indexes of price movements or trade are examined and constructed. M., W., 6:20-7:50.

72e-73e. FINANCIAL ORGANIZATION AND MANAGEMENT. Both semesters. Three credits each semester.

The development of a sound money system, use of credit instruments, the rise of a banking system, and the relation of the financial organizations to the business man. The economics of finance; of procuring capital for a large or small business, its application, use and control. T., Th., 8:00-9:30.

40e. BUSINESS LAW. First semester. Two credits.

Contracts and Agency. A study of contractual relationships. The elements of a valid and binding contract; rights and obligations of the

parties; the avoidance or discharge; the appointment, duties and powers of an agent. T., 8:00-10:00.

42e. BUSINESS LAW. Second semester. Two credits.

Sales and Negotiable Instruments. The rights of the parties to a sale; the Uniform Sales Act and its operation; qualities of negotiable paper, such as checks, notes, and acceptances; the rights and obligations of the maker, endorsers, and holders, for value; the Uniform Negotiable Instruments Act. Th., 8:00-10:00.

43e. BUSINESS LAW. First semester. Two credits.

Partnerships and Corporations. The organization, operation and dissolution of partnerships; the rights, duties and obligation of partners; the Uniform Partnership Act. Th., 8:00-10:00.

C23e. ECONOMIC DEVELOPMENT OF THE UNITED STATES. Second semester. Three credits.

The industrial development of the American people; exploration and settlement; territorial acquisition; land policies; population growth, and growth of commerce; crises, industrial combinations and conservation; the origin and development of the present-day banking institutions and railroad systems. T., Th., 6:20-7:50.

C80e. MARKETING. First semester. Three credits.

The nature of customer demand, the function of middlemen, sale of consumer and industrial goods, pricing and price factors, and a study of the costs of marketing. M., W., 8:00-9:30.

BUSINESS PSYCHOLOGY. First semester. Three credits.

The application of the principles of psychology for the business activities of selling, advertising, and management. An analysis of sensations, perception, attention, feeling and emotion; suggestions will be made accompanied by case application of these factors to every-day business. In addition some attention will be given to self analysis and vocational aptitudes. M., W., 8:00-9:30.

SECRETARIAL CERTIFICATE COURSE

Required Subjects in prescribed order:

	Credits
Advanced Shorthand, S23e-S24e	6
Rhetoric, A1e-A2e	6
Secretarial Duties, S3e	3
Business Correspondence, S5e	2
Economics	6
or Accounting C30e-C31e	6
Elective, at least	9
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To be selected from the following:	32
Economics	6
Accounting, C30e-C31e	6
Accounting, C32e-C33e	4
Business Law, C40e-C41e	2 or 4
Office Management, S10e	3
Business Organization, C62e	3
Business Management, C63e	3

S23e-24e. **ADVANCED SHORTHAND.** Both semesters. Three credits each semester.

After a brief review of Gregg theory, dictation practice begins with simple letters and articles, and proceeds gradually through a wide variety of increasingly difficult material, designed to develop speed, to convey a broad understanding of business terminology, and to provide extensive contact with the best forms of English expression. Open to those who have completed a standard course in theory. M., Th., 6:20-7:50.

S3e. **SECRETARIAL DUTIES.** First semester. Three credits.

Origin, nature, and scope of secretarial work; handling and answering of mail; securing needed information; preparation of itineraries, budgets, speeches, reports, and documents; proofreading; writing of minutes; indexing and filing; and time saving machines. M., Th., 8:00-9:30.

S5e. **BUSINESS CORRESPONDENCE.** Either semester. Two credits.

Sales, credit, collection, adjustment, and miscellaneous letters; the structure and content of the various types of letters; the psychology underlying sales, collection and adjustment letters; tact in handling special situations which arise in business. Emphasis is placed on accuracy, definiteness and conciseness of expression. W., 7:00-9:00.

ASSOCIATION COURSES

The Commerce Department of the University, through the Evening Session, has co-operated with various business associations to give courses which are planned to prepare business people for a broader and better service to the community. An Advisory Committee from the different associations has helped the Director of the Evening Session and the Head of the Commerce Department to suggest subjects, the contents of which will provide professional training. Any qualified adult may register for these courses and on completion of them receive certificates. It is, however, advisable to have practical experience in the chosen field.

THE AKRON REAL ESTATE BOARD CERTIFICATE COURSE

Required Subjects in logical order to be taken:

	Credits
Real Estate, 1e	1½
Economics, A1e	3
Real Estate Selling Institute	1
Growth of Cities	1½
Real Estate Financing, 3e	1½
Real Estate Appraisals, 4e.....	1½
Public Speaking, 10e	2
Business Law, 1, 40e	2
Real Estate Law, 43e.....	2
Business Correspondence, S5e	2
Advertising, 87e	2
Salesmanship	1½
Electives approved by Head of Department.....	8

ADVISORY COMMITTEE

C. W. Hall, Chairman, Central Associated Realty Co.; H. C. France, H. C. France & Co.; W. G. Jenkins, Bruner-Goodhue-Cooke-Cranz Agency; C. C. McNeil, Permanent Title Agency; Forrest Myers, with Albert Myers; C. D. Smith, Akron Agencies.

C43e. REAL ESTATE LAW AND CONVEYANCING. Second semester. Two credits.

The right of a person to hold, use and convey real property forms the basis of this course. It is particularly valuable to real estate men, mortgage financiers and property owners. Some of the subjects studied are property titles, real estate mortgages, right of easement, conveyancing, homestead and dower right in real property. Th., 8:00-10:00.

1e. FUNDAMENTALS OF REAL ESTATE PRACTICE. First semester. One and one-half credits.

Land and its use; history of land tenures and laws; the growth of cities; zoning and building regulations, subdividing and elementary appraisals. W., 6:20-7:50.

3e. REAL ESTATE FINANCING. Second semester. One and one-half credits.

A study of land credit, forms, their uses, mortgages, liens, real estate bonds and trust certificates, income taxes as related to land securities, long time leases, and other forms of financing. W., 6:20-7:50.

4e. REAL ESTATE APPRAISAL. Second semester. One and one-half credits.

A study of real estate values; appraisals such as improvements, income and leased properties, plottage, irregular lots, depreciation and obsolescence, and amortization of building costs sensing the market. Actual appraisals are made. W., 8:00-9:30.

CITY GROWTH ESSENTIALS. First semester. One and one-half credits.

An advanced course discussing the city, its function, factors and influences determining city growth, utilization of urban land; factors and evidence of value; zoning, controlling and directing growth; some examination of future problems and possibilities. Text and research work. W., 8:00-9:30.

REAL ESTATE SELLING INSTITUTE. First semester. Ten weeks. No credit.

ELEMENTARY APPRAISALS INSTITUTE. Second semester. No credit. Ten weeks.

THE AKRON PURCHASING AGENTS' CERTIFICATE COURSE

Required Subjects in prescribed order:

	Credits
Business Geography, C20e	3
Purchasing Practice, 83e	1½
Applied Economics	1½
Business Law, 40e	2
Business Facts and Forecasting, 57e-58e.....	6
Products and Prices, 84e.....	1½
Business Correspondence, 85e	2
Interpretative Accounting, 35e	2
Electives approved by Head of Department.....	10½

30

ADVISORY COMMITTEE

G. D. Sullivan, Chairman, B. F. Goodrich Co.; J. H. Boden, Firestone Tire & Rubber Co.; W. O. Hollister, The Davey Tree Expert Co.; R. G. Ingraham, Pittsburgh Plate Glass Co.; Members Ex-Officio: C. F. Marshall, President of Association and National Chairman of Education; L. P. Miller, Vice-President of the Association.

83e. PURCHASING PRACTICE. First semester. One and one-half credits. For purchasing agents, executives and commerce students. The organization of the purchasing department; purchasing routine, control systems, and specifications and standardization of stores; buying of many important commodities; and purchase policy in relation to the business cycle. W., 7:00-9:00.

84e. PRODUCTS AND PRICES. Second semester. One and one-half credits. An intensive study of basic commodities; their price fluctuations; indexes of their possible future movements are constructed and plotted. W., 7:00-9:00.

APPLIED ECONOMICS. Second semester. One and one-half credits. The fundamentals of Economics as applied to business management and purchasing. The project method will be used. Th., 6:20-7:50.

C20e. BUSINESS GEOGRAPHY. First semester. Three credits. World trade has made necessary world-wide knowledge. The products of trade, the factors that make for exchange and intercourse between nations, and trade channels are studied. A practical course for business men. T., Th., 6:20-7:50.

PURCHASING AGENTS INSTITUTE. Given first semester, 1928-29.

PROFESSOR LEIGH, *Chairman*

Talks as follows:

- Mr. H. L. Fineck—Commercial Research Department, Goodyear Tire & Rubber Company. "Charts and Graphs and How to Use Them."
- Dr. George Lynn—Research Chemist, The Pittsburgh Plate Glass Company. "Testing Before Investing."
- Mr. F. A. Bickel—Credit Department, The Guardian Trust Company, Cleveland, Ohio. "Budgeting for the Purchasing Agent."
- Mr. G. D. Sullivan—Purchasing Department, The B. F. Goodrich Company. "Co-operative and Centralized Purchasing."
- Mr. B. M. Robinson—Legal Counsellor, The Firestone Tire & Rubber Company. "Business Law and Contracts."

- Mr. George A. Cooper—Division of Simplified Practice, Department of Commerce. "Simplification and Purchasing."
- Prof. C. H. Chase—Extension Department, Ohio State University. "Price Fixing—Possibilities and Dangers."
- Mr. S. B. Kramer—Production Control Department, Goodyear Tire & Rubber Company. "Inventory Control."
- Mr. H. M. McGill—President of the McGill Commodity Service. "Market Movements."
- Mr. C. F. Marshall—Purchasing Agent, The Seiberling Tire & Rubber Company. "The National Educational Program."

THE AKRON ADVERTISING CLUB COURSE

Required Subjects in prescribed order:

	Credits
Rhetoric, A1e-2e	6
Marketing, C80e	3
Commercial Art, T14e	2
Salesmanship	2
Advertising, 87e	4
Advertising Research and Campaigns	4
Economics, A1e	3
Public Speaking, 10e	2
Electives approved by the head of the department.....	7

87e-88e. ADVERTISING. Both semesters. Two credits each semester. The principles and practices of advertising; market plans; appeals; advertisement writing. These advertisements are constructively criticised. Timely lectures are given by outside business and advertising specialists. The second semester students select products for advertising campaigns. Market analyses are made; campaign plans are submitted; media are contracted for on the basis of the advertising appropriation and a dealer "tie-up" is made. This takes the student through the entire advertising process and gives him practice in "merchandising" a product. M., 8:00-10:00.

SALESMANSHIP. Either semester. One and one-half credits. Economic need of selling, the selling process, and the preparation of sales, talks and plans; problems from actual sales experience, laboratory practice. M., 6:20-7:50.

**SUMMIT COUNTY BUILDING AND LOAN LEAGUE
CERTIFICATE COURSE**

Required Subjects in prescribed order:

	Credits
Building and Loan Practice	2
Economics, A1e	3
Public Speaking, 10e	2
Business Correspondence, S5e	2
Business Law, 40e	2
Real Estate Law, 43e	2
Real Estate Financing, 3e	1½
Real Estate Appraisals, 4e	1½
Financial Organizations, 72e	3
Investments, Ae	3
Electives	8

ADVISORY COMMITTEE

D. R. Evans, President of League, with Evans Building and Loan Association; Charles L. Wirth, Vice President of League, with Industrian Savings and Loan Company.

BUILDING AND LOAN PRACTICE. First semester. No credit.

The nature of building and loan associations; their promotion, location, and organization; the raising of capital and the determination of financial policies; applications for and the making of loans; and the elements of association accounting. T., 8:00-9:30.

RETAIL CREDIT AND COLLECTION INSTITUTE

PROFESSOR, LEIGH, *Chairman*

Sponsored by the Akron Retail Credit Men's Association.

ADVISORY COMMITTEE

C. H. Metzger, Chairman, Herberich, Hall & Harter; W. J. Sarr, Credit Manager, J. P. Loomis Coal Co., President of the Association; T. J. Chapman, Credit Manager, Northern Ohio Power and Light Co.; H. F. Gifford, Credit Manager, The M. O'Neil Company; H. E. Kepler, President, The Kepler Coal Company; C. W. Siegel, Credit Manager, Morris Plan Bank.

Lectures given Second Semester, 1928-29:

- Mr. G. C. Driver—Credit Manager, The May Company, Cleveland, Ohio. "The Application and Its Acceptance."
 Mr. L. L. Kinsey—The M. O'Neil Company, Comptroller. "Authorization and Handling the Credit System."
 Mr. Oscar Smith—Comptroller, The C. H. Yeager Company. "Installment Business."
 Mr. F. E. Sherod—Cleveland Retail Merchants Board. "Collections."
 Mr. H. E. Kramer—R. R. Cunningham, Inc., Cleveland, Ohio. "Correspondence."
 Mr. Stanley Denlinger—Burch, Bacon, Denlinger & Seikel. "Legal Remedies."
 Mr. Wallis Slater—The Sterling & Welsh Company, Cleveland, Ohio. "Selling Credit."
 Mr. W. H. Gray—Cleveland Retail Merchants Board. "A Credit Policy."

TEACHERS COLLEGE

W. J. BANKES, A. M., *Dean*

SCHEDULE OF CLASSES

PH refers to Phillips Hall; B to Buchtel Hall; MH to Music House; S to Spicer Building; CHS to Central High School; HTS to Hower Trade School. The number after each letter indicates in which room the class meets.

Semester	Subject	Cr.		Hours	Room
		Hours	Days		
ART					
1-2	Elements of Art, T1e.....	2	M.	6:30-9:30	PH 3
1-2	Commercial Art, T14e-15e.....	2	Th.	6:30-9:30	PH 2
1-2	History of Art, T20e-21e.....	2	M.	6:30-8:30	PH 1
1-2	Home Planning, T27e-28e.....	2	W.	6:30-9:30	PH 3
1	Free Sketch, T19e.....	2	W.	6:30-9:30	PH 1
1	Clay Modeling, T18e.....	2	W.	6:30-9:30	PH 2
2	Technique of Mediums, T8e.....	2	Th.	6:30-9:30	PH 1
2	Design, T2e.....	2	W.	6:30-9:30	PH 2
2	Stage Costume, T22e.....	2	W.	6:30-9:30	PH 1
1-2	Crafts, T3e-5e.....	2	Th.	6:30-9:30	PH 3
1	Still Life, T10e.....	2	M.	6:30-9:30	PH 2
2	Pose, T11e.....	2	M.	6:30-9:30	PH 2
EDUCATION					
2	Educational Sociology, T13e.....	3	M.-W.	8:00-9:30	B 32
1	History of Ed. in U. S., T3e.....	3	M.-W.	8:00-9:30	B 32
1-2	Personal Hygiene, T31e.....	2	W.	5:50-7:50	B 11
1-2	School Health, T29e-30e.....	2	T.	5:50-7:50	B 15
2	Principles of Elem. Education, T9e.....	3	T.-Th.	8:00-9:30	B 32
1	Principles of Secondary Education.....	3	T.-Th.	8:00-9:30	B 32
METHODS AND TEACHING					
1-2	Primary Methods, T5e.....	3	M.-W.	8:00-9:30	B 25
2	Story Telling for Upper Grades, T13e.....	3	T.-Th.	6:20-7:50	B 32
1	Literature for Intermediate Grades.....	3	T.-Th.	6:20-7:50	B 26
2	Remedial Work in Reading, T30e.....	2	W.	5:50-7:50	B 32
1	Remedial Work in Arithmetic, T31e.....	2	W.	5:50-7:50	B 32
PSYCHOLOGY					
1-2	General Psychology.....	3	M.-W.	8:00-9:30	B 26
1	Educational Psychology.....	2	T.	5:50-7:50	B 37
1	Psychol. of Excep. Child.....	2	T.	5:50-7:50	B 25
2	Psychol. of Adolescence.....	2	Th.	5:50-7:50	B 25
MUSIC					
1-2	Elementary Harmony.....	2	W.	5:50-7:50	MH
1	Public School Music (Up. Grade).....	1	Sat.	10:00-12:00	MH
2	Appreciation of Music.....	2	Sat.	10:00-12:00	MH
1-2	Orchestra.....	1			MH
VOCATIONAL EDUCATION					
1	Org. of Instruction Material, T25e.....	2	Th.	4:00-6:00	HTS
1	Determination of Tchg. Content in Gen. Continuation School, T24e.....	2	Th.	7:00-9:00	
1	Phil. of the Gen. Cont. School, T20e.....	2	F.	5:50-7:50	B 15
2	Shop Management, T16e.....	2	Th.	4:00-6:00	HTS
2	Methods of Tchg. Occupational Subjects, T26e.....	2	F.	5:50-7:50	B 15
2	Industrial and Educational Co-ordination, T31e.....	2	Th.	7:00-9:00	
1-2	Principles of Educational Guidance, T32e-33e.....	2	M.	6:00-8:00	CHS
GRADUATE COURSES					
1	Character Education.....	2	M.	5:50-7:50	B 32
2	Supervision of Cadet Teaching, T115e.....	2	T.	5:50-7:50	B 13
2	Statistics, T119e.....	2	M.	5:50-7:50	B 32
1	Current Educa. Thought, T114e.....	2	Th.	5:50-7:50	B 37
2	Great Teachers, T104e.....	2	T.	5:50-7:50	B 37
2	Modern Tendencies in Education.....	2	Th.	5:50-7:50	B 37
1-2	Supervision of Instruction, T120e-121e.....	2	W.	8:00-10:00	B 37
1	Mental Hygiene.....	2	Th.	5:50-7:50	B 25

Semester	Subject	Cr. Hours	Days	Hours	Room
2	Genetic Psychology, T105e	2	T.	5:50-7:50	B 25
1-2	Seminar	2	W.	5:50-7:50	B 22
SATURDAY COURSES					
1	Educational Philosophy Graduate.....	2	Sat.	8:00-10:00	S 113
2	History of Philosophy of Education, Graduate	2	Sat.	8:00-10:00	S 113
1	History of Education, Graduate.....	2	Sat.	10:00-12:00	S 113
2	Comparative Education, Graduate	2	Sat.	10:00-12:00	S 113
1	Social Psychology	2	Sat.	8:00-10:00	S 213
1	Child Psychology	2	Sat.	10:00-12:00	S 213
2	Advanced Psychology, Graduate.....	2	Sat.	10:00-12:00	S 213
2	Abnormal Psychology, Graduate	2	Sat.	8:00-10:00	S 213
1	School Law	2	Sat.	8:00-10:00	S 213
2	Elementary School Administration	2	Sat.	10:00-12:00	S 213
1	High School Administration	2	Sat.	10:00-12:00	S 213
1	Tests and Measurements for Ele. Schools..	2	Sat.	8:00-10:00	S 212

ART

MRS. BARNHARDT, MISS CABLE, MR. POND, MISS BARKER

The following certificate courses are planned for students wishing to take consecutive work along definite lines of study. For art teachers courses leading to certification or degree, see Teachers College Bulletin.

FINE ARTS CERTIFICATE COURSE

	Credits
Elements, 1	2
Technique of Mediums, 8.....	2
Free Sketch, 19	2
Clay Modeling, 18	2
Still Life, 9	2
Still Life, 10	2
Pose, 11	2
Illustration, 12	2
Illustration, 13	2
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ART DESIGN CERTIFICATE COURSE

	Credits
Elements, 1	2
Design, 2	2
Crafts, 3	2
Crafts, 4	2
Crafts, 5	2
Clay Modeling, 18	2
Marionettes, 17	2
Costume, 6	2
Interior Decoration, 7	2
Interior Decoration, 21	2
	<hr/> 20

ART APPRECIATION CERTIFICATE COURSE

	Credits
History of Art, 27.....	2
History of Art, 28.....	2
Elements, 1	2
Design, 2	2
Costume, 6	2
Stage Costume, 20	2
Interior Decoration, 7	2
Interior Decoration, 21	2
	<hr/> 16

STAGE DESIGN CERTIFICATE COURSE

	Credits
Elements, 1	2
Mediums, 8	2
Clay Modeling, 18	2
Crafts, 3	2
Marionettes, 17	2
Stage Costume, 20	2
History of Art, 27	2
History of Art, 28	2
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T1e. ELEMENTS OF ART. Either semester. Two credits.

The basic principles of design, color and composition. Prerequisite for all advanced art courses. M., 6:30-9:30.

T2e. DESIGN. Second semester. Two credits.

The adaptation of units of design to definite spaces, and the consideration of the limitations of various mediums. Prerequisite for Craft Courses. W., 6:30-9:30.

T3e. CRAFTS. First semester. Two credits.

Design applied to textiles by various processes. Prerequisite, Design T2e. Th., 6:30-9:30.

T5e. CRAFTS. Second semester. Two credits.

Design applied to metal and clay. Prerequisites, T2e, T3e and T4e. W., 6:30-9:30.

T7e. HOME PLANNING. Second semester. Two credits.

A study of types of houses. Making of floor plans and elevations of a definite house. Application of principles of design and color as related to home furnishings. History of furniture. W., 6:30-9:30.

T8e. HOME PLANNING. First semester. Two credits.

A study of textiles. Ceramics. Metals from the standpoint of color and design. Arrangements of furnishings. Prerequisite, T7e. W., 6:30-9:30.

T8e. TECHNIQUE OF VARIOUS MEDIUMS. Second semester. Two credits.

A series of progressive lessons using pencil, pen and ink, brush and ink, crayon, water color, and oil. Th., 6:30-9:30.

T10e. STILL LIFE. First semester. Two credits.

Free-hand drawing of common objects and natural forms, using various mediums. A thorough training in perspective. Prerequisite, Art T8e. M., 6:30-9:30.

T11e. POSE. Second semester. Two credits.

Drawing from the draped model, studying the anatomy and working for a likeness. Pictorial and decorative treatment of the human figure. Prerequisites, T8e, T9e, and T10e. M., 6:30-9:30.

T14e. **COMMERCIAL ART.** Both semesters. Two credits each semester. A course embracing the principles of advertising in connection with page arrangement, magazine, newspaper, and poster layout. Standard forms of lettering and adaptation of material to reproducing processes. Th., 6:30-9:30.

T18e. **CLAY MODELING.** First semester. Two credits. Modeled and incised tiles and panels. Medallions. Small figures. Heads. Prerequisite, Art T2e. W., 6:30-9:30.

T19e. **FREE SKETCH.** First semester. Two credits. Line drawing of common objects. The application of simple perspective rules. Building up of figures. W., 6:30-9:30.

T20e-T21e. **HISTORY OF ART.** Both semesters. Two credits each semester.

A comprehensive history of European painting, sculpture and architecture from the earliest time to the Italian Renaissance. Second semester: the history of European and American painting, sculpture and architecture from the Renaissance to the present time. M., 6:30-8:30.

T22e. **STAGE COSTUME.** Second semester. Two credits. A study of History of Costume and its environment. Psychology of color relation. Composition. Adaptation of period costume to definite characters. W., 6:30-9:30.

EDUCATION

MR. SMITH, MR. SNYDER

T13e. **EDUCATIONAL SOCIOLOGY.** Second semester. Three credits. The data and principles derived from a study of social relationships are applied in educational problems. M., W., 8:00-9:30.

T3e. **HISTORY OF EDUCATION IN U. S.** First semester. Three credits. The origin and development of educational institutions within the United States, emphasizing the social, religious, economic, and political factors involved. M., W., 8:00-9:30.

T31e. **PERSONAL HYGIENE.** Either semester. Two credits. A scientific background for the various health activities of the school and the community; the important problem of the care of the body from both the individual and social viewpoints. W., 5:50-7:50.

T9e. PRINCIPLES OF ELEMENTARY EDUCATION. Second semester.
Three credits.

The investigations incident to the course are grouped as follows: the aims of public school education; favorable working conditions; general principles of learning; special types of learning; the technique of teaching. T., Th., 8:00-9:30.

T12e. SCHOOL LAW. Second semester. Two credits.

History of educational legislation in Ohio attendance laws, teacher certification, contracts, laws relating to administration and supervision, duties and responsibilities of school boards, superintendents and teachers, laws relating to special instruction, sanitation and fire drills. Sat., 8:00-10:00.

T29e-30e. SCHOOL HEALTH. Both semesters. Two credits each semester.

School sites, drainage, sanitation; beautifying, efficiency; school furniture, seats, equipment; gymnasium, size, care; school health problems, detection, remedies. Teaching health, needs, programs, organization, tests, materials. T., 5:50-7:50.

PRINCIPLES OF HOME AND RELIGIOUS EDUCATION. Second semester.
No credit.

Ten public lectures for the benefit of parents and church school teachers to be given at Olin Hall on Friday evenings 8:00-9:30.

METHODS AND TEACHING

MISS HOOVER, MISS KEMLER, MR. ERWINE

T4e. PRIMARY METHODS. First semester. Three credits.

The kindergarten-primary child; the primary class room; equipment; the daily program; group activities; seat work; testing and classification; the teaching of language. Two hours observation. M., W., 6:20-7:50.

T5e. PRIMARY METHODS. Second semester. Three credits.

The teachings of arithmetic; reading; phonics; spelling; handwriting. Two hours observation. M., W., 6:20-7:50.

T13e. STORY-TELLING FOR UPPER GRADES. Second semester. Three credits.

Theory of story-telling; story-telling; preparation, presentation of the story; standards; characteristics of a good story; dramatization; types; story interests; adaptation; value of story-telling; analysis; storyteller's attributes; lists of stories; art of story-telling. T., Th., 6:20-7:50.

T30e. REMEDIAL WORK IN READING. Second semester. Two credits. In this course a study will be made of recent developments for the improvement of instruction. Class discussions will involve psychological principles governing the learning process in reading, diagnostic work, type difficulties, individual cases and remedial instruction. The course is for elementary teachers and supervisors. W., 5:50-7:50.

T31e. REMEDIAL WORK IN ARITHMETIC. First semester. Two credits. Emphasis in this course will be placed upon the psychology of teaching Arithmetic and the use of remedial methods and devices. A careful analysis will be made of the common errors which pupils make in handling the fundamentals and problem work. W., 6:00-8:00.

T9e. PRINCIPLES OF GEOGRAPHY. First semester. Two credits. A study of natural environment in relation to life. Sat., 8:00-10:00.

PSYCHOLOGY

PROFESSOR HAYES, PROFESSOR KUHNES, MR. WOOD

T1e. GENERAL PSYCHOLOGY. Either semester. Three credits. A course for the preparation of students for a general understanding of the feelings and emotions, motives and reactions of themselves and their fellow beings; to prepare them for more advanced and specialized courses. M., W., 8:00-9:30.

T3e. EDUCATIONAL PSYCHOLOGY. First semester. Two credits. For students who wish to meet state certification requirements and who have had no training in educational psychology. Attention particularly to the native equipment of children and to the learning process. T., 5:50-7:50.

T5e. PSYCHOLOGY OF THE EXCEPTIONAL CHILD. First semester. Two credits. Case studies of deviates; methods of treatment; methods of diagnosis; neural instability, precocity, backwardness, and feeble-mindedness. Prerequisite, T1e. T., 5:50-7:50.

T12e. PSYCHOLOGY OF ADOLESCENCE. Second semester. Two credits. Problems of pre-adolescence and the adolescence, physical and psychic changes, problems of differentiation in junior and senior high school age. Social and moral changes. Prerequisite, T1e, T3e. Th., 5:50-7:50.

T4e. CHILD PSYCHOLOGY. First semester. Two credits. Pre-school child and early elementary grades; original tendencies; play attitudes and educational application; application of instinctive urges in training and control. Prerequisite, T1e. Sat., 10:00-12:00.

T6e. TESTS AND MEASUREMENTS FOR ELEMENTARY SCHOOLS. First semester. Two credits.

A course for the purpose of acquainting teachers with the uses of tests and testing, understanding the new type tests, the distribution of test scores and the interpretation of test results. Sat., 8:00-10:00.

PUBLIC SCHOOL MUSIC

MISS RIDER

T1e-2e. ELEMENTARY HARMONY. Both semesters. Two credits each semester.

This study is carried on as classroom work and includes the rudiments of music in detail, Intervals, Triads; chords of the Seventh, and Thorough Bass. Written and oral exercises on all subjects. W., 5:50-7:50.

T10e. PUBLIC SCHOOL MUSIC. (Upper Grade). One credit.

The teaching of music in the upper grades, from the fifth to the eighth inclusive. The work of each year is taken up in detail. Sat., 10:00-12:00.

T37e. APPRECIATION OF MUSIC. Second semester. Two credits.

The aim is to develop intelligent listeners. Lectures with musical illustrations, outside readings, written and oral criticisms, and the use of the best records, familiarize the student with important works of musical literature; study of graded material and the methods of presenting the work to children. Sat., 10:00-12:00.

ORCHESTRA. Both semesters. One credit each semester.

To those Evening Session students who have had or desire to have orchestral training, this class will offer the opportunity; the class will be taught by a member of the Music faculty. M., 6:00-8:00.

GRADUATE COURSES

DEAN BANKES, PROFESSOR HAYES, PROFESSOR KUHNES,
ASSISTANT PROFESSOR WOOD

CHARACTER EDUCATION. First semester. Two credits.

This is a study of the psychological background for character formation and the psychology of character traits. The relation of moral to mental activity and the relative effects of school subjects upon character development will be emphasized. M., 5:50-7:50.

T102e. HISTORY OF EDUCATION. First semester. Two credits.

The historical development of education in the light of western civilization. Thesis: The historical development of some school subject. Sat., 10:00-12:00.

T103e. HISTORY OF THE PHILOSOPHY OF EDUCATION. Second semester. Two credits.

A study of the contributions of great thinkers, from Socrates to the present, showing the development of an educational philosophy. Sat., 8:00-10:00.

T104e. GREAT TEACHERS. Second semester. Two credits.

The contribution to educational philosophy and mental hygiene of representative great teachers. Thesis: Some great educator not discussed in class. T., 5:50-7:50.

T105e. COMPARATIVE EDUCATION. Second semester. Two credits.

The educational philosophy and organization of United States, England, France, Germany, Italy, Australia, Canada, Danish countries, Russia, South America. Thesis: Educational philosophy or organization of some country compared with that of United States. Sat., 10:00-12:00.

T106e. MODERN TENDENCIES IN EDUCATION. Second semester. Two credits.

A discussion of the outstanding tendencies in modern educational theory and practice. Th., 5:50-7:50.

T108e. ELEMENTARY SCHOOL ADMINISTRATION. Second semester. Two credits.

Acquainting the student of education with the origin, meaning and function, financial support, organization and management of the American Elementary School. Sat., 10:00-12:00.

T109e. HIGH SCHOOL ADMINISTRATION. First semester. Two credits.

The organization and administration of the high school as a distinct unit and its various relations to larger units of the school system; administration problems; high school organization; attendance; daily schedule; measuring results; class supervision, extra curricular activities and the teaching corps. Sat., 10:00-12:00.

PRINCIPLES OF SECONDARY EDUCATION. First semester. Three credits.

The principles of learning, aims of instruction and the different recitation modes, for the secondary school pupil. T., Th., 6:30-8:00.

T113e. EDUCATIONAL PHILOSOPHY. First semester. Two credits.

The educational aims and ideals as determined by the educational process, the nature of mind, and the ideals of the race. Sat., 8:00-10:00.

T114e. CURRENT EDUCATIONAL THOUGHT. First semester. Two credits.

A critical analysis of the new books of the year. Each student presents a book. Th., 5:50-7:50.

T115e. SUPERVISION OF CADET TEACHING. Second semester. Two credits.

A study of current practices and specific methods of supervision and direction of student teaching. T., 5:50-7:50.

T119e. STATISTICAL METHOD APPLIED TO EDUCATION. Second semester. Two credits.

The simple phases of the subject and the work ordinarily presented, with applications to educational data, up to and including partial and multiple correlations. M., 5:50-7:50.

T120e. SUPERVISION OF ELEMENTARY INSTRUCTION. First semester. Two credits.

A careful study of principles underlying supervision of instruction in the elementary schools. W., 8:00-10:00.

T121e. SUPERVISION OF HIGH SCHOOL INSTRUCTION. Second semester. Two credits.

A careful study of principles underlying supervision of instruction in high school. W., 8:00-10:00.

T105e. GENETIC PSYCHOLOGY. Second semester. Two credits.

Basic course for graduate students in psychology. A knowledge of some biology is advantageous. Analysis of neural and mental reactions of lower orders. Simpler processes of learning in man; early mental processes of the infant. Prerequisite, T1e. T. 5:50-7:50.

MENTAL HYGIENE. First semester. Two credits.

This course is open to graduate students and will consist of both library assignments and class recitations. The basis of the course is a study of the more efficient methods of learning, both from the pedagogic and hygienic bases. Th., 5:50-7:50.

RESEARCH

T101e-T102e. SEMINAR. Both semesters. Two credits each semester. Various members of the class will present theses, and special problems will be presented by persons by invitation. W., 5:50-7:50.

T103e. THESIS. Four credits.

This course is open to graduate students and is required of all who are candidates for the master's degree. Conferences by appointment are held during both semesters. In addition to the preparation of the thesis, at least two appearances before the Seminar are required. A fee of \$10.00 is charged for the thesis work.

T104e. RESEARCH PROBLEM. Credit by arrangement, one or two.

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 whose problem is approved, may receive credit. A fee of \$5.00 is charged.

INDUSTRIAL ARTS AND VOCATIONAL EDUCATION**MR. GREENLY, MR. HAWK****T16e. SHOP MANAGEMENT.** Second semester. Two credits.

Study of housing conditions, factors governing installation of equipment; selection of equipment; problems of shop maintenance; individual and quantity methods of production; general conduct of the shop. (Hower Trade School.) Th., 4:00-6:00. Canton, M., 4:00-6:00. Youngstown, T., 4:00-6:00.

T20e. PHILOSOPHY OF THE GENERAL CONTINUATION SCHOOL. First semester. Two credits.

Various studies and surveys of employed youth to establish the need for civic, social and economic training. Brief survey of the purposes of education as carried on in our public schools. Investigation of the early withdrawal of employed youth from school as a foundation upon which to base readjustments of the curriculum. University of Akron. F., 6:00-8:00.

T24e. DETERMINATION OF CONTENT IN THE GENERAL CONTINUATION SCHOOL. First semester. Two credits.

Occupational studies; evaluation of text book materials; studies of experiences of employed youth, various bulletins; visual instruction through moving pictures and stereopticons; investigation of the relative merits of educational content available. Youngstown, T., 4:00-6:00. University of Akron, Th., 7:00-9:00.

T25e. ORGANIZATION OF INSTRUCTION MATERIAL. First semester. Two credits.

Sources of course content; principles governing modern curriculum construction; effective arrangement of teaching content; application of governing principles. (Hower Trade School.) Th., 4:00-6:00. Canton, M., 4:00-6:00.

T26e. METHODS OF TEACHING OCCUPATIONAL SUBJECTS. Second semester. Two credits.

Various methods of instruction in occupational subjects; psychological principles developed; teaching devices examined in terms of analysis and organization of curricular content; teaching plans are required and their use explained and constructively criticised. University of Akron. F., 6:00-8:00.

T31e. INDUSTRIAL AND EDUCATIONAL CO-ORDINATION. Second semester. Two credits.

Procedure necessary to arrive at the problems of the employed youth; information that may be given teachers to assist in instruction; attention will be given to organizing, systematizing and filing information for continuous use; co-ordination as the special problem of harmonizing all efforts to promote the educational welfare of working youth. University of Akron. Th., 7:00-9:00.

T32e-33e. PRINCIPLES OF EDUCATIONAL GUIDANCE. Both semesters. Two credits each semester.

The aims and purposes of guidance in modern education; the theories and principles in moral, ethical, social, and vocational guidance as constituent units; the scientific attitude; the recognition of the individual; natural desire for creative expression; special aptitudes and interests; psychological approach to develop real characters.

Second semester; careful study of the real nature of the child, his biological, physiological, and psychological natures; when and how to make adjustment in curriculum, social life, home life, techniques and procedures for making case diagnoses; visits to industries, clinics, and conferences; compilation of case studies and reports. (Central High School.) M., 5:50-7:50.

1929 SUMMER SESSION

W. J. BANKES, A. M., *Dean of Teachers College, Director*

INTRODUCTORY STATEMENT

Educational ideals, methods of teaching, and the curriculum of the public schools have been continually modified to meet changing social and industrial conditions, and emphasis upon various subjects has changed to meet these conditions. The best interests of the schools require that all work in teacher training shall be of a character accepted without question by the leading universities of the country. This fact is of special importance when summer school work is considered.

The work done at the University of Akron is accepted by all leading universities. The work of the Summer Session has met the standards of the regular courses of the institution and courses for 1929 are planned so that students may continue the work begun. New students will find classes in practically all the departments of the institution. The two-year and three-year programs should appeal to all teachers who are not primarily interested in obtaining a degree in education. Summer Session courses enable teachers to complete programs of training in a short time.

All work done in the Summer Session is credited toward college degrees, and college students will have greater and better opportunities to take advanced courses in 1929. Graduate courses leading to the Master's degree in Teachers College are organized so that students may complete the work for this degree in Summer Sessions.

The State Department of Education recognizes the University of Akron as an institution for training teachers in the various departments of public school work. The completion of courses as outlined in Teachers College insures the issuance of state provisional and life certificates.

LOCATION

The University of Akron is located thirty-five miles from Lake Erie in the heart of the Portage Lakes district. Students desiring to combine opportunity for study with recreational advantages will find many lake resorts within easy reach of the University.

Akron is an industrial city furnishing opportunities for students to visit large factories. The greatest rubber factories in the world are located here and many students work part time in these factories.

GENERAL INFORMATION

The 1929 Summer Session will open June 24, and close August 2. Classes in each subject will be held every day except Saturday and Sunday. Examinations will be held at the close of the session. In Art and Folk Games double periods are required. Algebra and German classes will recite two periods per day. Three-hour courses will require two periods per day for half the session. One-hour courses continue for three weeks only. Students may register for three weeks only in one-hour courses.

The principal object of the Summer Session is to furnish instruction to teachers and other persons who seek opportunities for training. Some courses are designed to meet the needs of collegiate students who wish to advance their standing or to make up deficiencies, and several courses are offered for graduate students.

CHARACTER OF INSTRUCTION

The courses maintain the standard of instruction which characterizes the work of the regular session. As far as possible the classes are taught by members of the University faculty. Additional instructors are selected because of special fitness for their work.

SELECTION OF COURSES

Teachers who are working toward the completion of the requirements for the state certificate should be careful to select their courses to this end. All other students should be certain that the courses selected fit the purpose in mind. The Director of the Summer Session should be consulted if any assistance is needed. Any subject not listed will be given if twenty students petition for the course.

For three-year, four-year and five-year courses see general catalog.

OUTLINE OF THE TWO-YEAR COURSE

Rhetoric 1	3 hrs.	Story Telling	2 hrs.
Physical Education	2 hrs.	Speech	2 hrs.
Methods (in four subjects)	8 hrs.	Sight Singing and Ear Training	2 hrs.
History of Education	3 hrs.	Personal Hygiene	2 hrs.
School Management	2 hrs.	Public School Music	2 hrs.
Principles of Teaching	3 hrs.	Psychology (including Educa-	
Probs. of Citizenship or Ameri-		tional Psychology)	5 hrs.
can History	2 hrs.	Practice Teaching and Observa-	
Art	4 hrs.	tion	7 hrs.
Tests and Measurements	2 hrs.		

Required, 51 hours. Electives, 13 hours. Total required, 64 hours, 16 of which must be earned in the University of Akron. Teachers who have credits from other standard colleges may have them transferred.

ACADEMIC CREDIT

No student will be permitted to take courses aggregating more than six credit hours, except by special permission and then the work shall not exceed seven hours. If eight weeks courses (given only in the Commerce

department) are selected, the maximum is nine hours. A special course in Chemistry (nine weeks) permits eight hours. Hours have various meanings in different institutions. In the University of Akron thirty-two semester hours constitute a year's work.

Credit granted in the Summer Session will be accepted in the various colleges of the University. All courses are credited in the Teachers College. Those starred in the schedule on the last page are credited in Buchtel College of Liberal Arts. All students will receive certificates indicating the amount of work satisfactorily completed.

APPOINTMENT BUREAU

The Director of the Summer Session is Chairman of the Appointment Bureau of the University. Summer Session students may enroll for appointment without extra fee. Each year many students are placed in desirable positions.

ADMISSION AND ATTENDANCE

There are no formal examinations for admission, but students under 21 years of age must have completed a four-year high school course of study. The Summer Session will begin June 25 and carry out the schedule provided on the last page of this bulletin. No class is scheduled after one o'clock. Students have the afternoons for study and recreation.

Registration will take place in Room 38, Buchtel Hall, June 24, from 8 a. m. to 5 p. m. Any person registering after June 24 will be charged an additional late registration fee of \$1, except those who register for the last three weeks only. All late registrations must be passed upon by the Director of the Summer Session. Anyone wishing to enroll for the three weeks courses given by Mr. Proffitt, Mr. Bowman, Mr. Cookson, Mr. Mason or Mr. Walls, will be permitted to do so.

No change of courses will be permitted without the consent of the Director and payment of a transfer fee of \$1. However, if any instructor is changed for courses advertised, students may transfer without paying the transfer fee. All fees, including both tuition and laboratory fees, must be paid to the Secretary of the University as a part of registration. Registration and payment of fees should be made in person on June 24, or by mail in advance of the opening of the session.

Refunds are made to students who must withdraw during the session as follows: First week, 80% of fees; second week, 60%; third week, 40%; fourth week, 20%; after fourth week, no refund.

TESTS

All students who have not already taken the Psychology tests required by the Ohio College Association will be required to take this test.

Students taking methods courses will be given diagnostic tests as prescribed by the State Department.

All students must take final tests offered in each class if credit is desired.

RULES REGARDING ABSENCE AND TARDINESS

(In effect the first day of the term)

1. Any absence from class, or two tardinesses, shall constitute a "cut."
 2. If no cuts are taken in any course, and the work in the course be of a passing grade, the student shall be credited with the hour specified for that course and as many tenths of an hour in addition. (Perfect attendance in a three-hour course would give 3.3 credit.) For each cut 1/10 hour shall be deducted from the maximum credit possible in the course. (One absence in a three-hour course would give 3.2 hours' credit.)
- These rules do not apply to students working for a Master's Degree.

ASSEMBLY

All students not excused by the Director are required to attend Assembly exercises. Not more than one absence from Assembly will be permitted; otherwise deduction will be made from the number of credits earned, in accordance with the plan of the University in its regular session. Assembly exercises will be held each Thursday except July 4 at 10 o'clock in the Central High School Auditorium on Union Street. The public is invited to attend all programs.

Special musical productions and other attractive features will be added to the following program:

- June 27—Address, Dr. R. G. Jones, Superintendent of Schools, Cleveland, Ohio.
- July 11—"The Play of Children," Dr. L. A. Pechstein, Dean of School of Education, University of Cincinnati.
- July 18—Musical Program, faculty of music department.
- July 25—"Education and Social Institutions," Dr. Charles H. Judd, Director of Education, University of Chicago.
- August 1—Program by the department of vocal and dramatic expression, directed by Miss Carita McEbright.

SPECIAL FEATURES

June 27 will be a red letter day of the Summer Session. Dr. R. G. Jones, Superintendent of Schools, Cleveland, will speak at assembly. At 12:15 a luncheon will be held at the University Club. All students will be entitled to attend upon presentation of card received when enrollment is completed. A short after-dinner program will be presented and the afternoon turned into a get-acquainted meeting.

Dean L. A. Pechstein of the University of Cincinnati will be present July 11 and in addition to the assembly address will hold a special conference with students and teachers at 9 o'clock a. m. The topic for discussion is "To Him That Hath."

Dr. Charles H. Judd of Chicago University will hold a conference at 9 a. m. July 25, using for his subject "Recent Scientific Studies in Education."

M. M. Proffitt, specialist from the U. S. Bureau of Education, C. J. Bowman, Principal of Central High School in Akron, and W. A. Walls, Superintendent of Schools at Kent, will teach three-weeks courses the first half of the session. J. H. Mason, Superintendent of Schools at Canton and C. W. Cookson, Superintendent of Schools at Urbana will teach three-weeks courses the last half of the session.

An eight hour course in chemistry covering freshman requirements will extend over a period of nine weeks.

EXPENSES

A maintenance fee of \$5 per credit hour will be charged all students. Each course carries a statement of credits and it is easy for any student to determine the cost of the course. Attention is called to the late registration fee and additional laboratory fees as explained in the description of the courses. A student activity fee of \$2 will be charged each student in addition to the maintenance fee.

BOARD AND LODGING

The Director of the Summer Session has on file addresses of those who rent rooms with or without meals. These addresses will be furnished upon request.

UNIVERSITY BOOK STORE

All texts used in the various classes will be on sale at the University Book Store.

THE SUMMERLITE

A student newspaper, "The Summerlite," is published by the class in journalism as a laboratory project.

PROGRAMS OF STUDY

Teachers who are planning the completion of regular two-year courses for state certificates may complete this work in Summer Sessions at the University of Akron and in addition receive college credit toward the degree if they care to continue college work. The Teachers College bulletin outlining courses may be had upon request. Many subjects taught in the Summer Session are also credited toward degrees in the other colleges of the University.

Students desiring to do graduate work will find opportunity to earn graduate degrees in summer sessions.

For any further information, address W. J. Bankes, Director of the Summer Session.

SUBJECTS OF INSTRUCTION

The building in which each class recites is indicated at the end of the course description according to the following system: B refers to Buchtel Hall; C to Curtis Cottage; S to Spicer Building; P to Phillips Hall; O to Olin Hall. The number indicates the room in that building in which the class meets.

ART

1. ELEMENTS OF ART. Two credits.

The elementary principles of design, color, lettering, composition, perspective and historic ornament are studied. This course is a prerequisite for all advanced courses. Class meets daily from 7:15 to 9:25 in P-1.

MISS BITTAKER

3. HOME AND SCHOOL CRAFTS. Two credits.

This is a course in applied design including stenciling, block printing, tooled, cut and dyed leather, enamel, simple batik dyeing, cross stitch, Swedish weaving. Prerequisite, Art 1 or Art 2. Class meets daily from 10:45 to 12:55 in P-1.

MISS BITTAKER

21. THE EVOLUTION OF GREEK ART. Two credits.

The lectures will discuss the various phases of Greek art, the different kinds of decorations, the source of motifs, the relation of Greek art to mythology, history and literature, and what the Greeks have handed on to us. Students may do some work in drawing or research work at the library. The course will be illustrated by slides and photographs. Class meets daily at 11:55 in B-32.

PROFESSOR ROCKWELL

BIOLOGY

1. BIOLOGY. Four credits.

This course is the first half of General Biology. It comprises a study of general principles and of the lower or primitive groups of plants and animals. The purpose of this course, together with Biology 2 on other animal groups, is to give a clear idea of the fundamental laws of nature, emphasizing the essential unity of the whole realm of life.

Biology 1 and 2 are prerequisite for all advanced courses in this department. The class meets daily at 7:15 for one hour lecture in O-25, followed by three hours laboratory, up to 11:45, in O-34. A laboratory fee of \$4.00 is charged.

ASSISTANT PROFESSOR KRAATZ

CHEMISTRY

1-2. GENERAL INORGANIC CHEMISTRY. Eight credits.

This course is given for the students as a minor in the B. S. and A. B. courses and thus satisfies the requirements for these degrees. Class meets twice daily at 7:15 and at 10:45 for recitation in K-22. Laboratory each day from 8:25 to 10:45. A laboratory fee of \$14.00 is charged.

ASSISTANT PROFESSOR COOK

ECONOMICS AND COMMERCE

73. BUSINESS FINANCE. Three credits.

This is a basic and comprehensive course in finance. The financial structure and operation, the uses and sources of funds, the relation of the business executive to his bank, and the safeguarding of credit are studied. The financial needs and operation of both large and small businesses are equally stressed. Prerequisite, Principles of Economics. Class meets daily at 8:25 in B-38 for eight weeks

ASSISTANT PROFESSOR ROWE

87. PRINCIPLES OF ADVERTISING. Two credits.

A survey of the field of advertising, treating its problems and its place in business, human aspects of the market, appeals, presentation of appeals, media, and special fields of advertising. Class work is supplemented by special problems. Class meets daily at 7:15 in B-12.

40. BUSINESS LAW. Two credits.

The origin of commercial law, the operation and discharge of contracts, the law of sales, of agency, and of negotiable instruments, partnerships and corporation are studied, giving attention to the statutes which form the working machinery for economic activity. Class meets daily at 7:15 in B-15.

MR. PARK

50. PRINCIPLES OF ECONOMICS. Three credits.

This course covers the basic principles of economics. It considers production, consumption and distribution of wealth; labor problems; money and banking, and other current problems of industry. Class meets daily at 9:35 in B-11 for eight weeks.

ASSISTANT PROFESSOR ROWE

EDUCATION

3. HISTORY OF EDUCATION IN THE UNITED STATES. Three credits.

The course includes a study of the European background of American education and of the development of the public school system in the United States. Class meets two periods daily, at 7:15 in B-37 and at 10:45 in B-22, first three weeks, and one period daily, at 7:15 in B-37 last three weeks.

MR. SNYDER

4. PERSONAL HYGIENE. Two credits.

The aim of this course is to give a scientific background for the various health activities of the school and the community. Care of the body from both the individual and the social viewpoints is studied. Class meets daily at 8:25 in B-13. MR. SMITH

6. TESTS AND MEASUREMENTS FOR ELEMENTARY SCHOOLS. Two credits.

In this course a brief study is made of school marks as compared to the marks given as a result of standard tests. The elements of statistical measurements, administration and marking various types of educational tests, and the possible use of such marks, are studied. Class meets daily at 9:35 in O-25. MR. BATES

17. THE JUNIOR HIGH SCHOOL ORGANIZATION. One credit.

This course consists of a study of the aims and purposes of the junior high school and the types of organization best adapted for realizing these aims and purposes. Class meets daily at 10:45 in B-11 first three weeks only. MR. BOWMAN

9. PRINCIPLES OF TEACHING. Three credits.

This is a discussion of the principles of educational practice and their evaluation in the light of educational psychology. The aim of the course is to help the teacher deduce educational principles in school management and instruction. The class will recite two periods a day the last three weeks so that three credits may be given to satisfy state requirements for certification. Class meets one period daily, at 8:25 in S-112, first three weeks, and two periods daily, at 8:25 in S-112 and at 10:45 in B-22, last three weeks. DEAN BANKES

8. AN INTRODUCTION TO EDUCATION. Two credits.

This survey course is designed to introduce the teacher to the problems of education. Class meets daily at 9:35 in S-112. MR. SNYDER

15. CORRELATIVE EDUCATION. One credit.

This course gives a background for the understanding of pupil-problems through the study of physical and mental growth. Emphasis is given to such subjects as the relation between physical and mental development; changes in mental functions, interests, attitudes, and methods of learning; the relation of mental and physical development to school progress; and problem-cases in instruction and discipline. The course is planned for elementary teachers and supervisors. Class meets daily at 8:25 in B-37 first three weeks only. MR. PROFFITT

16. SCHOOL ORGANIZATION, PAST AND PRESENT. Two credits.

This course will make a comparative study of the various types of school organization and the contribution each has made to our educational sys-

tem. The strong points of the traditional, departmental, platoon, intermediate and experimental school organizations will be carefully examined. Class meets daily at 7:15 in B-25.

MR. ERWINE

ENGLISH

1. RHETORIC. Three credits.

This course is designed for elementary instruction in English composition. Students are given practice in expressing their own ideas clearly, correctly, concisely, and concretely. Attention is devoted particularly to sentence and paragraph structure. The students write short expository compositions. Class meets one period daily, at 7:15, first three weeks, and two periods daily, at 7:15 and at 9:35, last three weeks, in B-26.

PROFESSOR PEASE

2. RHETORIC. Three credits.

This course is designed with the same purpose as Rhetoric 1, of which it is a continuation. Attention is given to description, characterization, and narration. The students write compositions that build up a final long narrative work. Prerequisite, Rhetoric 1. Class meets two periods daily, at 8:25 and at 9:35, first three weeks, and one period daily, at 8:25, last three weeks, in B-26.

PROFESSOR PEASE

9. FOLKLORE AND MYTHS OF ANCIENT PEOPLES. Two credits.

Legends of the Egyptians, the Babylonians and the Germanic peoples will be taken up together with the origin of the legends among primitive peoples, but the emphasis will be placed on the myths of the Greeks and references made to them in English literature. Class meets daily at 10:45 in B-32

PROFESSOR ROCKWELL

15. JOURNALISM. Two credits.

This is a general course in contemporary journalism, including a study of the construction and style of news stories, editorials, and feature articles, and a practical application of rules studied. Students will write and edit a summer session newspaper and may also write for Akron newspapers. Class meets daily at 10:45 in B-15.

MR. VANCE

31. SHAKSPERE. Two credits.

This is a study of the development of Shakspeare as a dramatist and his place in the Elizabethan Age and in the history of English literature. The work covers ten plays with supplementary readings. Groups (a) and (b) are given in alternate years. Both may be taken for credit. Class meets daily at 9:35 in B-32.

(a) In 1929 and alternate years: Comedy of Errors, Richard II, Henry IV (Part One), Much Ado About Nothing, Twelfth Night, King Lear, Othello, Coriolanus, Cymbeline, The Winter's Tale.

(b) In 1930 and alternate years: A Midsummer Night's Dream, Romeo and Juliet, Merchant of Venice, Henry V, As You Like It, Measure for Measure, Julius Caesar, Hamlet, Macbeth, The Tempest.

DEAN SPANTON

38. TENNYSON AND BROWNING. Two credits.

This course will include the reading and study, so far as time will permit, of the best work of these two poets. Considerable outside reading is required. The aim of the course is to help the student to read Tennyson and Browning more intelligently and with greater pleasure and profit, and to show him wherein lie the permanent significance and power of their work. Class meets daily at 10:45 in B-38.

DEAN SPANTON

GERMAN

1. BEGINNING GERMAN. Four credits.

Reading, conversation and grammar. Class meets two periods daily, at 8:25 and at 11:55, in B-22.

PROFESSOR BULGER

HISTORY

4. EARLY MEDIEVAL HISTORY. Two credits.

The beginning of the Middle Ages extending from the fall of the Roman Empire to the Crusades is the period studied in this course. Special attention is given to the organization of the new countries, derived from the old Empire, and such medieval institutions as the church, feudalism and chivalry. Class meets daily at 11:55 in B-25.

MR. PITKIN

12. AMERICAN HISTORY TO THE CIVIL WAR. Two credits.

This course is devoted to the study of the foundations of the nation, early trials and difficulties of the administrations, the rise of the new west, "Manifest Destiny," and the problems leading to the Civil War. Class meets daily at 10:45 in B-25.

MR. PITKIN

HOME ECONOMICS

15. CLOTHING SELECTION. Two credits.

A consideration of what it means to be well dressed. A study of suitable lines, colors and textures for individuals of varying types, figures and coloring. Accessories and their use in the costume. Clothing budgets with suggestions for proportionate amounts to be spent for various articles of the wardrobe. Class meets daily at 9:35 in C-7.

MISS LATHROP

25. HOUSEHOLD ECONOMICS. Two credits.

A survey of the modern home with emphasis on its organization for efficiency. A study of family incomes and budgets for different income levels, savings and investments and the social aspects of food, shelter and clothing. Class meets daily at 8:25 in C-7.

MISS LATHROP

MATHEMATICS

1. ALGEBRA. Four credits.

The course includes a review of elementary algebra, and takes up surds, linear and non-linear equations, proportions, variations, progressions, mathematical induction, binomial theorem, permutations and combinations. Class meets two periods daily, at 9:35 and at 11:55, in B-38.

PROFESSOR JONES

METHODS AND TEACHING

34. PROBLEMS IN ELEMENTARY EDUCATION. One credit.

Some of the problems to be discussed are: organization and management of public schools, physical factors affecting conduct, responsibility for a health program, routinizing school work, devices for creating and holding interest, lesson plans. A total of 18 or 20 such problems will be selected and students can select topics to be discussed. Class meets daily at 7:15 in B-38 first three weeks only.

MR. WALLS

35. PROBLEMS OF SCHOOL MANAGEMENT. One credit.

Practical business problems of school management as related to the classroom teacher will be discussed. Sources of revenue, budgets, how to determine various amounts in budgets, what percent to teachers' salaries, what percent to supplies, sick leaves, pensions, salary schedules, determining factors—these and similar problems as related to the teachers will be discussed. Class meets daily at 9:35 in B-25 first three weeks only.

MR. WALLS

5. THE TEACHING OF ARITHMETIC. One credit.

A study of the educational practices, the curricular equipment, and the materials and methods used in teaching arithmetic in the elementary grades. Class meets daily at 11:55 in B-11, last three weeks only.

MR. MASON

11. STORY TELLING. Two credits.

This course includes a study of story structure, the selection of stories on the basis of children's interests, dramatization in various forms and the telling of stories. Class meets daily at 7:15 in S-212.

MISS KEMLER

32. MODERN THEORIES OF METHOD. One credit.

This is a brief study of the fundamental theories of method, with a definite attempt to evaluate these theories from the standpoint of the problems of elementary teachers. Class meets daily at 9:35 in B-25, last three weeks only.

MR. MASON

33. METHODS IN JUNIOR HIGH SCHOOL. One credit.

This course will make a survey of the class room methods best adapted for purposes of Junior High School age and will illustrate with a presentation of the technique in particular subjects. Class meets daily at 11:55 in S-212, first three weeks only.

MR. BOWMAN

21. SCHOOL MANAGEMENT. Two credits.

This course is designed for elementary teachers. Classroom management and general problems of school management will be discussed. Class meets daily at 8:25 in B-15.

MR. FLICKINGER

3. PRIMARY METHODS. Two credits.

This course includes a study of the organization of the elementary schools with special reference to the primary grades, their aims, principles, methods, and subject matter. A study is made of the first lessons in writing, spelling, number work, and seat work. Class meets daily at 11:55 in S-112.

MISS KEMLER

10. READING IN THE PRIMARY GRADES. Two credits.

This course is designed to provide students and teachers with ways and means of meeting the problems which arise in the teaching of primary reading. Special reference is made to the method of teaching reading employed in the Akron schools. Class meets daily at 9:35 in S-212.

MISS KEMLER

30. REMEDIAL WORK IN READING. One credit.

In this course a study will be made of recent developments for the improvement of instruction. Class discussions will involve psychological principles governing the learning process in reading, diagnostic work, type difficulties, individual cases and remedial instruction. This course is for elementary teachers and supervisors. Class meets daily at 9:35 in B-15, first three weeks only.

MR. PROFFITT

31. REMEDIAL WORK IN ARITHMETIC. Two credits.

Emphasis in this course is placed on the psychology of teaching arithmetic and the use of remedial methods and devices. An analysis is made of the common errors which pupils make in handling the fundamentals and problem work. Class meets daily at 8:25 in B-25.

MR. ERWINE

36. BEACON READING. Two credits.

This class is planned for teachers of the first three grades. It consists of a careful study of the manual and the underlying principles of the method. Type lessons will be given for the various grades, with special attention to beginning reading. The work includes demonstrations of the teaching of reading and a discussion of reading problems. Class meets daily at 8:25 in K-22.

MISS WEYER

PHYSICAL EDUCATION

11. FOLK GAMES AND DANCES. Two credits.

One-hour lectures are given each week on the characteristics and customs of various countries. Typical folk games and dances are given as practical work during the balance of the required time. Class meets daily from 8:25 to 10:45 in Crouse gymnasium.

MISS DUNCKLEY

16. FIRST AID AND MASSAGE. Two credits.

A study is made of the principles and the practice of methods of first aid and massage. Emphasis is laid on conditions arising from injuries in connection with physical education and athletics. Class meets daily at 7:15 in B-11
MISS DUNCKLEY

29. ORGANIZATION OF PHYSICAL EDUCATION ACTIVITIES. Two credits.

This course includes the organization of physical education activities to meet the needs of special teachers in the field and class room teachers who must assist in physical education work. A study is made of modern aims and new principles. Emphasis is placed upon local needs. This is a practical course aimed to produce results in the field. Class meets daily at 7:15 in Crouse gymnasium.
MR. SMITH

12. FOOTBALL COACHING. Two credits.

This course is designed to give a teaching knowledge of football to those who expect to coach. Approximately half of the time will be spent on theory, stressing various offensive and defensive systems. The other part includes demonstrations of fundamentals and a study of the psychology of coaching. Class meets daily at 11:55 in Crouse gymnasium.
COACH BLAIR

13. BASKETBALL COACHING. Two credits.

This course is open to both men and women but the system of play discussed will apply to the game as played under men's rules. Various systems of offense and defense will be discussed and plays will be outlined. The greater part of the course will be of a practical nature, stressing correct execution of fundamentals. Class meets daily at 10:45 in Crouse gymnasium.
COACH BLAIR

PHYSICS**1. PHYSICS. Four credits.**

This course is essentially the same as Physics 1 in the regular session and credits obtained may be used to satisfy either the major or minor requirements in the regular course. It covers the principles of mechanics, wave motion, and sound and their applications, approaching the subject from the experimental rather than the mathematical point of view. Class meets daily at 7:15 in O-21. Laboratory each day from 8:25 to 11:45. Laboratory fee, \$4.00.
PROFESSOR HOUSEHOLDER

POLITICAL SCIENCE**1. PROBLEMS OF CITIZENSHIP. Two credits.**

This is a survey of the social, economic, and political aspects of American citizenship. A group of selected problems is the basis of class room discussions and assigned readings. Class meets daily at 9:35 in B-22.
PROFESSOR CRECRAFT

2. AMERICAN GOVERNMENT. Two credits.

This is a brief study of the political system of the United States. Emphasis is placed on government services more than on structure. Class meets daily at 7:15 in B-22.

PROFESSOR CRECRAFT

25. INTERNATIONAL RELATIONS. Two credits.

An introductory treatment of selected topics in international relations, including the latest developments in treaties and control of international rivalries, is made in this course. Class meets daily at 8:25 in B-25.

PROFESSOR CRECRAFT

Summer School students may count all six credits towards their major or minor requirements in political science. They may also count all six credits toward their freshmen requirement in political science. In either case special arrangements must be made with the head of the department at the time of registration.

PSYCHOLOGY**1. GENERAL PSYCHOLOGY. Three credits.**

The purpose of this course is to give a foundation of the facts, principles and theories of human psychology that will function either in pursuing more advanced courses or in reacting successfully to situations not common to the classroom. Class meets one period daily, at 7:15 in S-113, first three weeks, and two periods daily, at 7:15 in S-113 and 9:35 in K-22, last three weeks.

DR. WOOD

2. EDUCATIONAL PSYCHOLOGY. Two credits.

This course is designed to make application of the general psychological principles operating in individual behavior, as applied to the teaching profession. Class meets daily at 9:35 in B-13.

PROFESSOR KUHNES

7. PSYCHOLOGY OF LEARNING. Two credits.

In this course, a study of the learning process is made. Laboratory and class experiments dealing with memorizing and forgetting as applied to various types of material are made. Special attention will be given to types of memory and learning aptitudes. Open to advanced students. Some laboratory work. Class meets daily at 7:15 in S-213.

PROFESSOR HAYES

PUBLIC SCHOOL MUSIC**37. APPRECIATION OF MUSIC. Two credits.**

The aim of this course is to develop intelligent listeners. By means of lectures with musical illustrations, outside readings, written and oral criticisms, and the use of the best records, the student is made familiar with important works of musical literature. Study of graded material and the methods of presenting the work to children. Class meets daily at 11:55 in S-113.

MISS RIDER

38. HISTORY OF MUSIC. Two credits.

This course takes up music of primitive nations, music and instruments of the Bible, music of the early Christian church, rise and development of liturgy, music and the Renaissance, the polyphonic age, rise of opera and oratorio, periods of Bach and Handel, Haydn and Mozart. Class meets daily at 8:25 in S-113.

MISS RIDER

9. PUBLIC SCHOOL MUSIC (Primary Grade). One credit.

This course is devoted to the study and demonstration of materials and methods for kindergarten and the first four years in music. Special attention is given to the presentation of tonal and rhythmic problems as they are taken up in the successive years. Class meets daily at 10:45 in S-113.

MISS RIDER

10. PUBLIC SCHOOL MUSIC (Upper Grade). One credit.

This course is devoted to the teaching of music in the upper grades, from the fifth to the eighth inclusive. The work of each year is taken up in detail. Class meets daily at 9:35 in S-113.

MISS RIDER

SOCIOLOGY

1. GENERAL SOCIOLOGY. Two credits.

This course includes a study of the nature of society, and nature and scope of sociology, the evolution of social forms and activities, the development and functions of the state, the social phases of industry, the evolution of ethics and religion, the socialization of mankind, and the methods of social control. Class meets daily at 9:35 in B-37.

ASSOCIATE PROFESSOR HAWTHORN

5. SOCIOLOGY OF PERSONALITY AND LEADERSHIP. Two credits.

Sociological factors in the formation of personality, struggle for psychic survival and self-hood, prestige, bases and methods of leadership, conservation of genius and talent, defeated and maladjusted personalities, will be considered in this course. Class meets daily at 10:45 in B-37.

ASSOCIATE PROFESSOR HAWTHORN

17. EDUCATIONAL SOCIOLOGY. Two credits.

This course deals with the application of sociological principles to teaching and practical discussion of dealing with parents and pupils in the light of sociological conditions. Various organizations of the community are considered in their relation to educational advancement. Class meets daily at 11:55 in B-15.

MR. CLOSE

SPEECH

1. INTERPRETATION, AND READING REHEARSALS. Three credits.

Inflection, tone color, grouping, and tempo, as means of vocal expression, and as modes of expression, simplicity, responsiveness, and abandon, are

studied in this course. Plays are rehearsed as exercises in dramatic delivery and reading of lines. Class meets one period daily, at 8:25, first three weeks; and two periods daily, at 8:25 and at 10:45, last three weeks, in B-12. MISS MC EBRIGHT

2. VOICE AND SPEECH. Three credits.

This course includes physical exercises for normal carriage and gestures. Personality is studied and preserved, while the appearance and address are aided in the process of development toward the normal type of cultivated manhood and womanhood. Class meets two periods daily, at 9:35 and at 10:45, first three weeks; and one period daily, at 9:35, last three weeks, in B-12. MISS MC EBRIGHT

Students desiring private lessons may secure them of Miss McEbright.

VOCATIONAL EDUCATION

1. OCCUPATIONAL ANALYSIS. Two credits.

This is a comparative study of various methods of occupational analysis for curricular purposes and includes a study of a standard technique and its application to occupations to determine content of courses for vocational schools. Analysis may be made of any occupation, such as architecture, auto mechanics, carpentry, dress making, machinist trade, plumbing, retail selling, or telegraphy. Class meets daily at 10:45 in S-212. MR. GREENLY

3. EDUCATIONAL AND VOCATIONAL GUIDANCE. Two credits.

This is a basic course in guidance as an integrating influence in education. Youth must be oriented to social organization, a function with as many phases as education itself. Guidance must be more than vocational, although the life career motive is the organizing factor. Class meets daily at 11:55 in S-213. MR. GREENLY

GRADUATE COURSES

Undergraduates may be admitted to these courses by permission of the Instructor and the Director.

EDUCATION

118. METHODS OF INSTRUCTION IN SECONDARY EDUCATION. One credit.

The work will consist of an evaluation of the famous plans of instruction in vogue, followed by an attempt to establish certain fundamental principles upon which any teacher may build a successful method. Class meets daily at 7:15 in B-13, first three weeks only. MR. BOWMAN

103. TESTS AND MEASUREMENTS FOR SECONDARY SCHOOLS. Two credits.

This course is designed for high school teachers. The following topics will be considered: need for standards in grading, simple statistical

methods, history of mental and educational tests, standard criteria for making and judging tests, and latest and most practical tests for use in high schools. Class meets daily at 7:15 in B-32. MR. BATES

119. CHARACTER BUILDING IN EDUCATION. One credit.

In this course character building is treated as an engineering problem. The need of character formation, the relative effect of school methods and school subjects, the relation of moral and mental activities are studied. The various character-building curricula will be evaluated. Class meets daily at 8:25 in B-37, last three weeks only. MR. COOKSON

120. THE TEACHER'S PERSONAL EQUIPMENT. One credit.

A practical course dealing with the important aspects of the teacher's personality. The course is designed to aid in self analysis so that strong points may be known and used and weak ones strengthened. Each student makes a study of his personal equipment. The aim of the course is to point the way to the development of personalities. Class meets daily at 9:35 in B-15 last three weeks only. MR. COOKSON

121. THE ORGANIZATION AND MANAGEMENT OF SCHOOLS. One credit.

This course is for teachers, principals, supervisors and superintendents. The different systems of organizations, the principles underlying the supervision of instruction and the study of the technique of management are presented from a background of experience. Class meets daily at 10:45 in O-25, last three weeks only. MR. COOKSON

122. PROBLEMS IN SCHOOL ADMINISTRATION. One credit.

A summarization and discussion of outstanding problems in supervision and school administration, considered primarily from the viewpoint of the principal. Class meets daily at 8:25 in B-11, last three weeks only. MR. MASON

112. ANTHROPOLOGY OF THE SCHOOL CHILD. Two credits.

This course is designed to orient the thinking of the student regarding the laws of human life, and to develop a method that systematizes the positive study of the child for pedagogic purposes with a view to establishing philosophic principles of education. Class meets daily at 10:45 in B-13. PROFESSOR KUHNES

113. EDUCATIONAL PHILOSOPHY. Two credits.

This course is designed to interpret educational problems from the standpoint of philosophy. The discussion deals with the aims and ideals that should be dominant in education, and the nature of the mind with which education has to deal. Class meets daily at 11:55 in B-13. PROFESSOR KUHNES

123. SCHOOL FINANCE. One credit.

In this course a study is made of the present status of education in the United States as affecting the ability of the nation to finance our educational program. A careful analysis of sources of revenue, ability to pay, and results of expenditures will be made. Class meets daily at 8:25 in B-11, first three weeks only.

MR. WALLS

124. RECENT DEVELOPMENTS IN ELEMENTARY EDUCATION. Three credits.

This course acquaints the student with the modern contributions to educational thought and makes a critical examination of the results of recent scientific investigations. The emphasis will be on the application of the information thus gathered to everyday problems. Class meets two periods daily, at 8:25 in B-32 and 9:35 in K-22, first three weeks, and one period daily, at 8:25 in B-32, last three weeks.

DR. WOOD

125. HISTORY OF MODERN SECONDARY EDUCATION. Two credits.

A brief survey of secondary education is made, as an introduction to the study of American high schools. Recent changes in secondary schools, present tendencies as exemplified by introduction of industrial and pre-vocational courses, the endeavor to organize effective moral and civic instruction, varying instruction so as to meet varying needs of pupils who are individually different in capacities, and the tendency to measure accurately results by scientific methods will be considered. Class meets daily at 7:15 in S-112.

MR. FLOOD

126. THE HIGH SCHOOL CURRICULUM. Two credits.

The following topics will be discussed in this course: history of the secondary school curriculum, the present day curriculum, educational objectives to be sought through a reformed curriculum, the contribution various subjects can make to the new objectives, factors relating to various subjects of study, elective and prescribed studies, typical high school curricula, making a reformed curriculum. Class meets daily at 8:25 in S-212.

MR. FLOOD

PSYCHOLOGY

102. SOCIAL PSYCHOLOGY. Two credits.

This course will be given from the behavioristic viewpoint of psychology. Readings and reports from related fields of sociology and the other social sciences will be required. Class meets daily at 8:25 in S-113.

PROFESSOR HAYES

106. ABNORMAL PSYCHOLOGY. Two credits.

The course consists of lectures, discussions and reports dealing with disorders of perception, association, memory, affection, volition, personality, judgment and action, with respect to their respective normal phenomena.

Open to graduate students and those whose experience has fitted them for appreciative study in this field. Class meets daily at 9:35 in S-213.

PROFESSOR HAYES

111. EXPERIMENTAL EDUCATION. One credit.

This course is planned to give training in the technique of research studies in education. A study will be made of the principles governing experimental studies and each student will be required to carry on some problems. The class will be sectioned so as to care for both advanced and beginning students. Open to graduate students and to undergraduate students who have had sufficient training and experience to profit by the course. Class meets daily at 10:45 in S-213, first three weeks only.

MR. PROFFITT

RESEARCH

103. THESIS. Four credits.

This course is open to graduate students and is required of all who are candidates for the Master's degree. Conferences by appointment are held. In addition to the preparation of the thesis, at least two appearances before the Seminar are required. A fee of \$10 is charged.

104. RESEARCH PROBLEM. One or two credits, 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 professors and whose problems are approved, may receive credit. A fee of \$5 is charged.

SCHEDULE OF CLASSES

All courses are credited in Teachers College; those starred receive credit in Buchtel College of Liberal Arts.

B refers to Buchtel Hall; C to Curtis Cottage; S to Spicer Building; P to Phillips Hall and O to Olin Hall. The number after each subject indicates the room in which the class will recite.

- 7:15 to 8:15
- *American Government, B-22.
 - *Biology, O-25.
 - *Business Law, B-15.
 - *Chemistry, K-22.
 - *Elements of Art, P-1.
 - *First Aid, B-11.
 - *General Psychology, S-113.
 - *History of Education, B-37.
 - *History of Modern Secondary Education, S-112.
 - Methods in Secondary Education, B-13.
 - *Organization of Physical Education, gymnasium.
 - *Physics, O-21.
 - *Principles of Advertising, B-12.
 - Problems in Elementary Education, B-38.
 - *Psychology of Learning, S-213.
 - *Rhetoric I, B-26.
 - School Organization, B-25.
 - Story Telling, S-212.
 - *Tests and Measures for Secondary Schools, B-32.
- 8:25 to 9:25
- Beacon Reading, K-22.
 - *Biology, Laboratory.
 - *Business Finance, B-38.
 - Character Building, B-37.
 - *Chemistry, Laboratory.
 - Correlative Education, B-37.
 - Elements of Art, P-1.
 - *Folk Games, Gymnasium.
 - *German, B-22.
 - *High School Curriculum, S-212.
 - History of Music, S-113.
 - *Household Economics, C-7.
 - *Interpretation and Reading Rehearsals, B-12.
 - *International Relations, B-25.
 - Personal Hygiene, B-13.
 - *Physics, Laboratory.
 - Principles of Teaching, S-112.
 - Problems in School Administration, B-11.
 - Recent Developments in Education, B-32.
 - Remedial Work in Arithmetic, B-25.
 - *Rhetoric II, B-26.
 - School Finance, B-11.
 - School Management, B-15.
 - *Social Psychology, S-113.
- 9:35 to 10:35
- *Abnormal Psychology, S-213
 - *Algebra, B-38.
 - *Biology, Laboratory.
 - *Chemistry, Laboratory.
 - *Clothing Selection, C-7.
 - *Educational Psychology, B-13.
 - *Folk Games, Gymnasium.
 - *General Psychology (last 3 weeks), K-22.
 - *General Sociology, B-37.
 - Introduction to Education, S-112.
 - Modern Theories of Method, B-25.
 - *Physics, Laboratory.
 - *Principles of Economics, B-11.
 - *Problems of Citizenship, B-22.
 - Problems of School Management, B-25.
- Public School Music (Upper Grades), S-113.
 - Reading for Primary Grades, S-212.
 - Recent Development in Education (first 3 weeks), K-22.
 - Remedial Work in Reading, B-15.
 - *Rhetoric I (last 3 weeks), B-26.
 - *Rhetoric II (first 3 weeks), B-26
 - *Shakspeare, B-32.
 - Teachers Equipment, B-15.
 - *Tests and Measures for Elementary Schools, O-25.
 - *Voice and Speech, B-12.
- 10:45 to 11:45
- *American History, B-25.
 - *Anthropology, B-13.
 - *Biology, Laboratory.
 - *Chemistry, K-22.
 - Coaching Basketball, Gymnasium.
 - *Experimental Education, S-213.
 - *Folklore and Myths, B-32.
 - *History of Education (first 3 weeks), B-22.
 - *Home and School Crafts, P-1.
 - *Interpretation and Reading Rehearsals (last 3 weeks), B-12.
 - *Journalism, B-15.
 - Junior High School Organization, B-11.
 - Occupational Analysis, S-212.
 - Organization and Management, O-25.
 - *Physics, Laboratory.
 - Principles of Teaching (last 3 weeks), B-22.
 - Public School Music (Primary), S-113.
 - *Sociology of Personality, B-37.
 - *Tennyson and Browning, B-38.
 - *Voice and Speech (first 3 weeks), B-12.
- 11:55 to 12:55
- *Algebra, B-38.
 - Coaching Football, Gymnasium.
 - *Early Medieval History, B-25.
 - Educational and Vocational Guidance, S-213.
 - *Educational Philosophy, B-13.
 - *Educational Sociology, B-15.
 - *Evolution of Greek Art, B-32.
 - *German, B-22.
 - *Home and School Crafts, P-1.
 - Methods in Junior High School, S-212.
 - Music Appreciation, S-113.
 - Primary Methods, S-112.
 - Teaching Arithmetic, B-11.

ASSEMBLY SCHEDULE

Assembly exercises will be held each week on Thursday from 10:00 to 11:00 o'clock. Class periods on Thursdays will be as follows:

- 7:00 to 7:55.
- 8:00 to 8:55.
- 9:00 to 9:55.
- 11:05 to 12:00.
- 12:05 to 1:00.

Exercises are held in the Central High School Auditorium on Union Street.

COMMUNITY CO-OPERATION

The work in community co-operation has been undertaken for the purpose of bringing the University in all its departments into close touch with the activities of the city of Akron. The Directors of the University feel that an institution of higher learning, supported in large part by municipal taxation, should give freely to the city all possible practical aid by means of its instructors and equipment.

While the work of community co-operation is not primarily organized for the purpose of teaching, yet one of its important objects is to bring students into contact with the work of the city and to train them along various lines of practical usefulness to the community. Whenever possible, the actual problems of civic life and administration are substituted in the various courses for purely theoretical work, since the University considers this training as one of the most important branches of its activity.

DIVISIONS OF CO-OPERATIVE WORK

The work properly falls under two heads:

- I. Special organizations or Bureaus.
- II. Co-operative work by various departments of the University.

I. SPECIAL ORGANIZATIONS

THE BUREAU OF CITY TESTS

E. F. SCHAEFER, B. E. M., *Director*

In accordance with the proposal made by the Directors of the University and accepted by the Akron City Council, the University assumes entire charge of the chemical and physical testing work of the city. The Bureau of City Tests was created and took charge of this work January 1, 1914. All analytical and diagnostic work of the city was done by the Bureau until November, 1916, when a diagnostic bacteriological laboratory was created at the Board of Health office and assumed this work. The Bureau continues to do bacteriological milk and water analyses, and all other physical and chemical tests for the various city departments, together with brick testing for Summit County.

The Bureau is a part of the Knight Chemical Laboratory and cooperates with the Department of Chemistry in bringing students in advanced courses in chemistry into touch with the city work by giving them actual problems of the city for solution as a part of their regular class work.

II. CO-OPERATIVE WORK BY DEPARTMENTS OF THE UNIVERSITY

The following list covers activities of the past few years:

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. Numerous lectures and informal talks have been given before luncheon clubs and other organizations, in Akron and in nearby towns.

DEPARTMENT OF CHEMISTRY

Three fellowships in the chemistry of india rubber, open to graduates of standard American colleges, have been established at the University by Akron rubber companies, for the purpose of training men for service in their laboratories.

DEPARTMENT OF ENGLISH

Field work in journalism for local newspapers and other publications.

DEPARTMENT OF ECONOMICS AND SOCIOLOGY

The department renders, through its connection with the Better Akron Federation, several services to the City of Akron:

1. Surveys of religious, recreational and social conditions in the city.
2. Collection of such pamphlets, books and publications as might have a bearing upon urban social problems, and which could be built into a municipal research library.
3. Lectures on applied sociology to groups of citizens, welfare workers, and others interested in urban society.
4. Consultations, through the Federation office, with any individuals or organizations interested in survey or welfare work, with reference to sociological aspects.
5. Connection of students with social service work in the city.

DEPARTMENT OF PHYSICAL EDUCATION

Summer camp work for boys in Akron by Director and students.

THE DEPARTMENT OF SPEECH

The Department of Speech, co-operating with the Federated Council of City Churches, produced "The Light of the World", a religious drama, during Passion Week. With the public school system it produced "Alice in Wonderland" for four thousand children. Many organizations of the city have used scenery and various other properties of the University Theatre from time to time.

HOME ECONOMICS

Arrangements have been made with the City Hospitals by which especially prepared students may take student training courses in dietetics.

Special material has been prepared for lecture work with some study for an organized group from the Akron and Summit County Federated Clubs.

COLLEGE OF ENGINEERING AND COMMERCE

Engineering students work alternate nine-week periods in foundries, machine shops, rubber factories, and on construction and railroad work. Arrangements have been made to provide outside work on an alternate semester basis for commerce students. Civil engineering students are assigned to municipal work under direction of city service departments.

Engineering instructors make numerous tests of materials and machines for local industries. Technical men in local organizations use facilities of the engineering laboratory for testing purposes.

THE TEACHERS COLLEGE

The work of the Teachers College is specifically organized for the preparation and training of teachers for the Akron Public School system, the professional improvement of teachers already engaged in the Public School service, and the study of educational problems.

The first purpose the Teachers College is expected to achieve is the affiliation of teacher training with the various colleges of the University, which gives opportunity to all teachers in training to receive academic preparation with the professional training.

The second purpose is to increase very considerably the opportunities for continued training to teachers already in service. Late afternoon, evening and Saturday courses are offered.

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 progressive phases of school work in the city will be reflected in the training courses, and the study of these problems by the Teachers College will bring suggestions for methods in teaching, for new forms of training, and for various modifications of school work. Students are required to do practice teaching in the Akron schools for one semester.

The graduate course in Teachers College with its research work in connection with theses provides careful study of problems in Akron's educational program.

THE EVENING SESSION

In addition to duplicating courses of study which are a part of the Day Session curriculum by offering these subjects as "University Training at Night", the Evening Session assists the various business associations of Akron to organize courses of college grade. Each course is organized separately with a guiding committee of association members and educational counselors including the head of the Department of Commerce and Administration. Each committee plans definite objectives for its course of study. The Evening Session supplies the teaching staff

and place of meeting, and is responsible for the administration of the educational program as planned. During the past academic year, the following associations have used this service with varied success:

- The Akron Real Estate Board.
- The Akron Purchasing Agents Association.
- The Akron Advertising Club.
- The Akron Retail Merchants Association.
- The Akron Life Underwriters Association.

See the Evening Session section for the committees and courses offered.

SHORT COURSES AND INSTITUTES

The Committee on Extension Lectures functions to provide clubs, business organizations and associations with lectures based on a definite objective developed by a survey or an apparent need. The lectures and study may be presented in series of from two to ten lectures, or in one or two day institutes as the organization desires. The Institutes so far organized by this committee have been for ten lectures, one each week for a period of ten weeks. The following clubs and associations have used this service:

- The Akron Retail Lumber Dealers Association.
- The Federation of Women's Clubs of Akron and Summit County.
- The Warm-Air Heating and Ventilating Association of the Builders Exchange of Akron and Vicinity.
- The Akron Credit Men's Association.
- The Akron Purchasing Agents' Association.
- The Short Story Institute.

See the Evening Session section for lists of lectures, lecturers, and committees.

UNIVERSITY PUBLIC LECTURES

The following series of lectures is open to the public during the academic year 1929-30.

- Chemistry in Life—first semester.
- Physics in Industry—second semester.
- Readings from Greek Authors—first semester.
- Tragedies of Shakspeare—second semester.
- Vocational Guidance and Occupational Analysis—first semester.
- Principles of Education for Parents and Religious Workers—second semester.

These public lectures will be given on Friday evenings beginning October 4, 1929, and on February 14, 1930, and continue for ten Friday evenings. A fee of \$6.00 will be charged.

THE LIBRARY

The resources of the Library are open to citizens of the city 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.

REGISTER OF STUDENTS

1928-1929

BUCHTEL COLLEGE OF LIBERAL ARTS

GRADUATE STUDENTS

Blinn, Ethel Davenport.....	Akron
A. B., Connecticut College.	
Cain, James Robert.....	Atwater
Ph. C., The Ohio State University.	
Childs, Edith Marion.....	Akron
B. S., Columbia University.	
Dobkin, Arthur.....	Akron
B. S., The University of Akron.	
Ho Yu Kun.....	China
B. S., Massachusetts Institute of Technology.	
Kaneko, Hideo.....	Japan
Yokohomo Technological College.	
Ma, Chieh.....	China
M. S., The Ohio State University.	
Nicol, Sheldon Clarke.....	Jacksonville, Ill.
A. B., Illinois College.	
Whittenberg, John Eugene.....	Murphysboro, Ill.
M. S., The University of Illinois.	
Yeo, Burgett Everett.....	Ravenna
M. Educ., The University of Akron.	

Men 8; Women 2; Total 10

SENIOR CLASS

	Course	
Amer, Francis Joseph	A. B.	Akron
Behling, Grace A.	B. S.	Akron
Berry, Louis A.	A. B.	Akron
Binet, Olga	A. B.	Akron
Bitter, Raymond Edward	B. S.	Akron
Bliss, Raymond Charles	A. B.	Akron
Bordner, Paul William	A. B.	Akron
Bowman, Laura Leone	A. B.	Akron
Brown, Raymond Ramsey	B. S.	Akron
Brown, Roy Edward	A. B.	Barberton
Brueggeman, Elmer C.	B. S.	Akron
Caplan, Lozier	A. B.	Akron
Capps, Amy Alta	A. B.	Akron
Carney, Donald Thomas	A. B.	Akron
Chen, Kuo Chang	B. S.	China
Cochran, Harold Montgomery	A. B.	Akron
Cole, Frederic Lawson	A. B.	Akron

Connell, Ruth Evelyn	B. S.	Akron
Conner, Marion Helen	A. B.	Akron
Coulter, Panola	A. B.	Akron
Crawford, Helen	A. B.	Akron
Croft, Nellie Earnestine	A. B.	Akron
Croysdale, Arthur George	A. B.	Akron
Dietrich, Philip Joseph	A. B.	Akron
Figenscher, Carl Joseph	B. S.	Akron
Fink, Charles David	A. B.	Akron
Finney, Addis Howard	B. S.	Akron
Firestone, Arden Edson	A. B.	Akron
Flower, Walter Deane	A. B.	Akron
Fuller, Belle	B. S.	Akron
Garrett, Catherine Jeane	A. B.	Akron
Gilleland, Joseph Ellsworth	B. S.	Akron
Goodenberger, Harry Thomas	A. B.	Akron
Halter, Florence Emma	A. B.	Akron
Hare, Weston A.	B. S.	Akron
Harms, Mary Terwilliger	B. S.	Akron
Hartline, Chester Vincent	A. B.	Akron
Helwig, Corinne Christine	A. B.	Akron
Herman, Edward Foster	A. B.	Akron
Hollinger, Ethel Wells	A. B.	Chicago, Ill.
Hollingsworth, Frances Mary	A. B.	Akron
Johnson, Joseph	B. S.	Akron
Johnson, Ruth E.	A. B.	Akron, R. D.
Johnstone, Kermit Thomas	B. S.	Akron
Keirn, Arthur Ralph	B. S.	Akron
Knoske, Virginia Inez	A. B.	Cuyahoga, Falls
Kodish, Samuel J.	A. B.	Akron
Koegel, Louise	A. B.	Akron
Krohngold, Rae Cyril	A. B.	Akron
Krutky, Theodore A.	B. S.	Akron
Lewin, Charles A.	B. S.	Kenmore Station
McDonald, Beatrice Adelaide	A. B.	Cuyahoga, Falls
McFarland, George Max	A. B.	Akron
McNamee, Raymond Wilson	B. S.	Akron
Miller, Dorothea Faye	A. B.	Akron
Neuwirth, Mildred Smith	A. B.	Akron
Oplinger, George William	B. S.	Akron
Pliskin, Reubin Robert	B. S.	Akron
Pogany, Anne Marie	A. B.	Akron
Quine, Robert Cloyd	A. B.	Akron
Reining, Henry, Jr.	A. B.	Akron
Rice, Russell Turner	B. S.	Akron
Richards, Randolph F.	B. S.	Akron
Romweber, Robert Bernard	A. B.	Akron
Royer, George Lewis	B. S.	Akron
Safreed, Clair Olan	A. B.	Akron
Satow, Ivan Christian	A. B.	Akron
Sayre, Mildred Vivien	A. B.	Akron
Schwarz, Gerald Theodore	B. S.	Akron
Shondel, John Stanley	B. S.	Clinton
Snyder, Russell F.	A. B.	Akron
Stillman, Georgia Gertrude	A. B.	Akron
Stump, Elizabeth Belle	A. B.	Akron
Thomas, Daniel	A. B.	Barberton
Thompson, Mildred Bessie	B. S.	Cuyahoga, Falls
Traul, Donald M.	B. S.	Akron
Wainer, Eugene	B. S.	Akron

Wassmer, Elsie Alice	A. B.	Akron
Wetzel, Ralph Earl	B. S.	Akron
Wilcox, Richard Parker	B. S.	Mogadore
Winans, Charles Francis	B. S.	Akron
Winer, Joseph	A. B.	Kenmore Station
Zettle, Ethel Harriet	A. B.	Akron

Men 53; Women 30; Total 83

JUNIOR CLASS

	Course	
Abell, Mrs. W. J.	A. B.	Centralia, Ill.
Alkire, Leo Raymond	A. B.	Akron
Allaman, Loudora Mae	A. B.	Akron
Baker, Lawrence Maywood	B. S.	Akron
Baltz, Robert Ernest	B. S.	Akron
Bandel, Samuel J.	A. B.	Akron
Barrackman, Lulu Merle	A. B.	Akron
Belohlavek, Vlasta Marie	B. S.	Akron
Berloff, Morris	B. S.	Akron
Boblett, William Blair	A. B.	Akron
Boyd, Beatrice Pearl	A. B.	Akron
Brown, Robert J.	A. B.	Akron
Conley, Dorothy Louise	B. S.	Akron
Connelly, B. Franklin, Jr.	A. B.	Akron
Cooke, Gerald Francis	A. B.	Akron
Corman, Irvin Stanley	A. B.	Akron
Courtney, Margaret	B. S.	Akron, R. D.
Cross, Donald Scott	B. S.	Akron
Darst, Byron H.	A. B.	Akron
Davies, Maxwell Hayden	A. B.	Akron
Doughton, Richard, Jr.	A. B.	Akron
Ellis, George Sheldon	B. S.	Akron
Ellsworth, Raymond Van Evera	A. B.	Akron
Fisher, Norman Gail	B. S.	Akron
Fitzharris, Cletus James	A. B.	Akron
Foster, Kathryn Ball	A. B.	Akron
France, Corinne Jessie	A. B.	Akron
Frost, Cecil A.	A. B.	Akron
Fulton, Robert Palmer	B. S.	Akron
Galloway, Frederick Merrill	B. S.	Peninsula
Gaskill, Harold Edward	A. B.	Akron
Graham, Robert Bruce	A. B.	North Fairfield
Gregg, Wilford Judson	A. B.	Akron
Gwaltney, Ralph	B. S.	Kenmore Station
Hall, William Newton	A. B.	Akron
Hunsicker, Dorothy Alice	A. B.	Akron
Johnson, Luther Roscoe	B. S.	Akron
Jones, Irene Moredock	A. B.	Paducah, Ky.
Killinger, Perth K.	A. B.	Cuyahoga, Falls
Kinnan, Esther Ruth	A. B.	Akron
Kroeger, Arthur Paul	B. S.	Akron
Kroeger, Mary Elizabeth	A. B.	Akron
Krohmer, Jesse Gordon	A. B.	Akron
Kruse, Arthur Henry	A. B.	Akron
Kushkin, Milton Mitchell	A. B.	Akron
Ladroch, Roy Clinton	A. B.	New Philadelphia
Lansinger, Inga Thelma	A. B.	Akron
Leach, Lucile	A. B.	Akron
Leavitt, Maxwell Dean	A. B.	Hastings, Minn.
Lenhart, George Becker	B. S.	Akron

THE UNIVERSITY OF AKRON

Lewis, John Bernard	A. B.	Akron
Lieberman, Harry	B. S.	Akron
Luke, Wade Devere	B. S.	Akron
Macklin, Kenneth C.	B. S.	Akron
Mahoney, John	A. B.	Akron
Maloney, Robert J.	A. B.	Akron
Miller, William Henry	A. B.	Akron
Mostenic, Mary Ruth	A. B.	Akron
Mottinger, Claude W.	B. S.	Cuyahoga Falls
Northy, Marian	A. B.	Akron
O'Neil, Mary Catherine	A. B.	Akron
Parenti, Juliette	A. B.	Akron
Paul, Edward Alfred	A. B.	Akron
Peabody, Donald Webb	B. S.	Akron
Perry, William Thomas	A. B.	Akron
Pesarick, Jack J.	A. B.	Akron
Pfaff, Alice Katherine	B. S.	Akron
Pittenger, John M.	A. B.	Akron
Reed, Margaret Lyle	A. B.	Barberton
Replogle, Ward B.	B. S.	Archbald
Robertson, Lowell E.	A. B.	Akron
Rockwell, Harriet Anne	A. B.	Akron
Rogers, Joseph Marion	A. B.	Akron
Romweber, Ruth Elizabeth	A. B.	Akron
Shuman, Elliott Heron	A. B.	Akron
Simcox, Irene	A. B.	Wadsworth
Sloan, Ruth McNeil	A. B.	Akron
Sprunger, Milo Melvin	B. S.	Wadsworth
Staudt, Mary Caroline	A. B.	Woodsfield
Sturdevant, Martha Butler	A. B.	Akron
Thompson, Rufus Lee	A. B.	Akron
Todd, Leslie E.	A. B.	Akron
Tripp, Charles D.	A. B.	Barberton
Ufford, Charles William	A. B.	Akron
Wade, Donald Charles	A. B.	Silver Lake
Wainer, Elliot	A. B.	Akron
Waller, Florence Josephine	A. B.	Akron
Waller, Gerald C.	A. B.	Burlington, Vt.
Waltz, Paul Jones	A. B.	Pennville, Ind.
Warner, Eugene Calvin	A. B.	Akron
Wells, Edward William	A. B.	Akron
Werner, Marshall Robert	B. S.	Akron
Wilson, Daisy Doris	A. B.	Akron
Young, Edwin Arthur	A. B.	Akron

Men 64; Women 30; Total 94

SOPHOMORE CLASS

	Course	
Alexander, Joseph	A. B.	Akron
Arnette, Rexford R.	A. B.	Mogadore
Averell, Priscilla	A. B.	Akron
Barder, Ruth Irene	A. B.	Akron
Beck, Howard Lawrence	B. S.	Akron
Beese, Helen Elizabeth	A. B.	Uniontown
Bendure, Myrtelle	A. B.	Fairlawn
Bergin, Preston Barrett	A. B.	Akron
Bergland, Edwin Gustave	A. B.	Akron
Bitcon, Leroy	B. S.	Barberton
Bitner, Walter David	B. S.	Akron
Bump, Flora Margaret	A. B.	Akron

Caldwell, John Richard	B. S.	Akron
Clark, Elizabeth Margaret	A. B.	Cuyahoga, Falls
Cook, Fritz	A. B.	Akron
Creighton, Ruth Colleen	B. S.	Akron
Culbertson, Samuel James	B. S.	Geneseo, N. Y.
Davidson, William Theodore	A. B.	Akron
Decker, Faith	A. B.	Akron
Dete, Leo Joseph	B. S.	Akron
Dethloff, Lillian Wagner	B. S.	Medina
Dienoff, Philip	A. B.	Akron
Dunwiddie, D. Stanley	A. B.	Akron
Emerick, William John	B. S.	Akron
Emmons, Lois Estelle	A. B.	Akron
Enright, William Michael	B. S.	Barberton
Ewart, Burt Harland	A. B.	Cuyahoga, Falls
Felber, Marguerite Bair	A. B.	Akron
Ferguson, Dan Chayne	B. S.	Akron
Fischer, Alberta Clara	A. B.	Akron
Flickinger, Eleanor Kathryn	A. B.	Barberton
Flickinger, Helen Louise	A. B.	Cuyahoga, Falls
Fulton, R. Harrison	A. B.	Akron
Galleher, Ed Lucky	A. B.	Akron
German, James William	B. S.	Cuyahoga, Falls
Germann, Paul, Jr.	A. B.	Akron
Gettins, Patricia	A. B.	Akron
Gregory, Dorothy Winifred	A. B.	Akron
Grubb, Josephine	B. S.	Akron
Gustafson, Harriet Marie	B. S.	Akron
Hamman, Clinton Gaylord	B. S.	Kent
Hansen, Virginia Elizabeth	A. B.	Akron
Hartz, Ralph William	B. S.	Akron
Haslett, Charles Brown	A. B.	Akron
Himebaugh, Lucille	A. B.	Akron
Honeywell, Arvine Joseph	A. B.	Akron
Hunsberger, Gerald Henry	B. S.	Akron
Hunter, Harold	B. S.	Akron
Jackson, Mary Elizabeth	A. B.	Akron
Jenkins, James	B. S.	Akron
Jeter, Raphael Garland	A. B.	Akron
Johnson, Roger Sherman	B. S.	Akron
Jones, Cyril	A. B.	Akron
Joy, Marjorie Josephine	A. B.	Cuyahoga Falls
Kastner, Lena Marie	B. S.	Akron
Katz, Arnold Lee	A. B.	Akron
Kaufmann, Frank Philip	A. B.	Akron
Keister, Donald Adams	A. B.	Barberton
Krug, Lester Eugene	B. S.	Akron
Krupp, Ilma Irene	B. S.	Barberton
LaMonica, Leon Lewis	B. S.	Akron
Laudenbach, Elizabeth Adele	A. B.	Dramond
Link, Mary Kay Jane	A. B.	Akron
Lucas, Harold Raymond	A. B.	Akron
McDowell, Arthur Joseph	B. S.	Akron
McGrath, Helen R.	A. B.	Akron
McKenzie, Mary Sue	B. S.	Greenville, S. C.
McShaffrey, Rita Rose	A. B.	Akron
Matz, Margaret	A. B.	Akron
Maxwell, Otis G.	A. B.	Akron
Meadows, Rodger McMorgan	A. B.	Akron
Merryweather, Gerald	A. B.	Akron

THE UNIVERSITY OF AKRON

Miller, Arthur A.	A. B.	Akron
Murdoch, John Kenneth	B. S.	Akron
Murray, William Newton	B. S.	Akron
Nagy, Louis	B. S.	Akron
Neff, William Edward	A. B.	Bellaire
Newton, Frank H., Jr.	B. S.	Akron
Parker, Hartwell Ruedy	A. B.	Akron
Pfeifer, Wilbur Frank	B. S.	Akron
Phelps, Kenton Robinson	B. S.	Kent
Pittenger, Doris Jean	A. B.	Akron
Poppenger, Grace Elizabeth	A. B.	Akron
Pressler, Edward Titus	B. S.	Akron, R. D.
Prince, Floyd Kingsley	B. S.	Wadsworth
Reeves, Carl Emerson	B. S.	Hillsboro, Ky.
Reymond, Guy Maxwell	B. S.	New Philadelphia
Robertson, Mervin Paul	B. S.	Akron
Rosenthal, Peter Harry	A. B.	Akron
Ruch, Lewis Conrad	B. S.	Akron
Sacks, Leon J.	B. S.	Akron
Schafer, Gerald V.	A. B.	Akron
Schmaltz, Robert Morris	A. B.	Akron
Schneider, Dorothy Jeanne	B. S.	Akron
Sellers, David Conrad	B. S.	Akron
Shank, Donald J.	A. B.	Akron
Shibley, Grant O.	B. S.	Akron
Smith, Sydney	A. B.	Akron
Snider, Mark	A. B.	Harrisville, W. Va.
Snyder, Kathryn Elizabeth	A. B.	Akron
Sonnhalter, Mary Eleanor	A. B.	Barberton
Steineck, Bettie Margaret	A. B.	Akron
Stinaff, Robert Kenton	B. S.	Akron
Strehlan, Marguerite W.	A. B.	Akron
Thornburg, Frances Susan	A. B.	Akron
Turner, John Donald	A. B.	Akron
Vasbinder, Dorothy Mae	A. B.	Akron
Walker, Sidney	A. B.	Akron
Whipple, Paul Stanley	B. S.	Barberton
Williams, Mathew Quay	B. S.	Julian, Pa.
Winans, Irene Marion	A. B.	Akron
Wirz, Elizabeth Ida	A. B.	Akron
Wohlwend, Robert M.	A. B.	Akron
Wolf, Alice Eleanor	A. B.	Akron
Zeis, Ruth Marie	A. B.	Akron
Zellinger, Belle Rebecca	A. B.	Akron

Men 71; Women 45; Total 116

FRESHMAN CLASS

Alexander, Donald Wilbur	Akron	Bernard, Madeline Marie	Barberton
Anderson, Oswald M.	Akron	Binet, Anna Edith	Akron
Augustine, Clarence Edward	Akron	Bixler, Paul Garrett	Akron
Axel, Goldie Grace	Akron	Blair, Curtis Leroy	Akron
Baeshore, Hiram Homer, Jr.	Lebanon, Pa.	Bogya, William James	Akron
Barnes, Wilbur Lancaster	Akron	Bowers, John Jesse	Akron
Bartlett, Jean Henrietta	Akron	Bowman, Richard Rodman	Akron
Baruch, Laura L.	Akron	Boyd, Virginia Mae	Akron, R. D.
Bashline, Esther	Akron	Brenton, Imogene	Petersburg, Ind.
Bateman, David John	Boonville, Ind.	Briscoe, Melbourne L.	Leakesville, Miss.
Becker, Irene Rose	Akron	Brock, Fred James	Akron
Becker, Paul Roger	Akron	Brownsword, Ray Arthur	Akron

Bruckman, Arthur Vaughn	Akron
Bryant, Charles Edmund	Akron
Church, Mary Eloise	Ellet Station
Corman, Eleanor Janet	Akron
Courtney, Maude Teresa	Akron, R. D.
Culver, Vernon Alfred	Akron
Dabney, James Edward	Cuyahoga Falls
Dapp, Evelyn May	Barberton
Daugherty, Thomas Shisler	Akron
Davis, Willard Thomas	Akron
Derr, Virginia Bell	Akron
Dietrich, Mildred Elizabeth	Akron
Dietz, LeRoy Edward	Akron
Dobkin, Ida Sydnie	Akron
Doerler, Charles Edward	Akron
Donahue, Richard Weber	Akron
Douns, Burton James	Akron
Duell, Nap Robertson	Malvern
Duncan, Wilma Urilla	Akron
Earley, Lawrence Terence	Akron
Eckelberger, Paul Wilson	Winfred, Kan.
Engstrom, Ruth Isabelle	Akron
Erwine, Robert Martin	Akron
Falor, Clyde, Jr.	Akron
Field, Charles Earl	Cuyahoga Falls
Fischer, Jesse Harry	Akron
Ford, Josephine	Akron
Funk, Cleo	Akron
Gilhooly, James Edward	Akron
Green, Albert Lewis	Akron
Gregory, Edith Aileen	Akron
Griffiths, Esther Elizabeth	Akron
Haas, Aubrey Dean	Akron
Hahn, Helen Hamilton	Akron
Halter, Marie Agnes	Akron
Hargis, William Lawton	Somerset, Ky.
Harper, Roselle	Akron
Harrington, Mary Grace	Akron
Harris, Adda Maude	Akron
Hartman, Robert	Akron
Heede, Louise Rosemary	Akron
Henninger, Herman Harrison	New Milford
Hinckley, Helen Marguerite	Bradford, Pa.
Hinkle, Edwin Austin	Akron
Hinkle, Emerald Curtis	Akron
Hoffman, William Earle	Akron
Holles, Donald Robertson	Cuyahoga Falls
Hummel, Richard Charles	Akron
Hunsicker, Sarah Jane	Akron
Irvin, Mary Elizabeth	Cuyahoga Falls
Jones, Florence Christine	Akron
Kempel, George Paul	Akron
Kibler, Homer Laborn	New Milford
Klopfenstein, James Martin	Paris, Ohio
Kosch, Kermit Lawson	Akron
Krill, Molly Odelia	Akron
Krupp, James Malcolm	Akron
Kyle, Stanley Emerson	Akron
Ladd, Helen Louise	Akron
Laurence, James	Akron
Levit, Sidney	Akron
Lewis, Arthur Parker	Akron
Lombardi, Louis	Akron
Lostetter, Marian Frances	Cuyahoga Falls
Lowen, Ellis Edgar	Akron
Lowery, Herman Joy	New Castle, Pa.
Luck, Jack Kenneth	Akron
McCaughey, Amy	Akron
McClenathen, Curtis Ives	Cuyahoga Falls
McDonald, Francis Ambrose	Akron
McDonald, Ruth	Akron
McKay, Hosmere Charles	Akron
Macbeth, Gladys Rebecca	Akron
Maxwell, Boyd Walden	Akron
Maynard, Edward Alfred	Akron
Merrill, Mildred	Akron
Meyer, Emanuel Irving	Akron
Meyer, Ray Catherine	Akron
Mills, Robert Edward	Akron
Mills, Vera Katherine	Mogadore
Mitchell, Thomas Arthur	Akron
Mowery, Robert Marshall	Akron
Myers, Elizabeth Prince	Akron
Myers, William H.	Akron
Myers, Wilbur O.	Akron
Nesbitt, Clark R.	Akron
Nighman, Miriam Louise	Cuyahoga Falls
Obradovich, Olga	Akron
Owsley, Ruth Virginia	Akron
Palmer, Francis William	Akron
Pardee, Caroline Julia	Akron
Perkins, Harold Edwin	Akron
Preston, Harley Oliver	Cuyahoga Falls
Pulos, George	Akron
Rankin, James Wallace	Six Mile Run, Pa.
Raynow, Robert Thomas	Akron
Reinker, Erwin Ellsworth	Akron
Richards, Harold Franklin	Akron
Richards, Henry Sheldon	Akron
Rine, Arthur H.	Akron
Roseman, Hyman	Akron
Ruble, Wade Claire	Kenmore Station
Rubright, Gaylord Stanley	Hartville
Rutherford, James E.	Akron
Schlegel, Alfred Parker	Akron
Schneyer, Dorothy Handy	Akron
Schoch, Otto Ferdinand	Akron
Schueneman, Ellsworth Elmer	Akron
Schuster, Robert	Akron
Schwartz, Jack Alfred	Akron
Seidel, Andrew Emil	Akron
Shoults, Earl	Akron
Smith, Edith Irene	Akron
Smith, George Phillips	Akron
Smith, Harold Charles	Akron
Smith, Harvey Elwood	Akron
Smith, John D.	Akron
Smith, Mary Heller	Akron
Smith, Mina Elizabeth Ross	Akron
Spade, Ralph Irvin	Akron

THE UNIVERSITY OF AKRON

Spain, Leona Gladys	Akron	Wade, Margaret Elizabeth	Cuyahoga Falls
Stewart, Chalmers K.	Akron	Weisberg, Hymen	Akron
Stillman, Laura Jane	Akron	Wentsler, Norman Edgar	Akron
Stoddard, Louis	Akron	Whelan, John Vincent, Jr.	Franklin, Mass.
Straw, Clayton	Akron	White, Paul Leslie	Akron
Sykora, Joseph Edward	Barberton	Wilde, Bertha Marie	Akron
Thompson, Aida Beth	Akron	Wise, Miriam Lucille	Mogadore
Trafford, Helen Carver	Akron	Wishart, Myrtle Elizabeth	Akron
Tucker, Margaret Routh	Akron	Woodward, Kent W.	Akron
Vance, William Henry	Akron	Wright, Harry Lavern	Akron
Vanica, Sumner Wayne	Akron	Yood, Marjorie Sarah	Akron
Van Sickle, Thomas Edwin	Akron	Young, Geraldine Carolyn	Akron
Vantilla, Louis	Akron	Young, Leroy Franklin	Akron
Voige, Suzanne	Akron		

Men 109; Women 62; Total 171

IRREGULAR STUDENTS

Anderson, Alfred Verner	Rittman	Leonard, Sherill Ellsworth	Akron
Bankes, Willard Edwin	Akron	Lowery, Matilde	Akron
Barder, Louise Emily	Akron	McArthur, Malcolm Eugene	Bicknell, Ind.
Blank, William K.	Akron	McCarthy, Vivien Jane	Akron
Bonstedt, Mrs. Sue	Akron	Martin, Leonard Bowman	Kenmore Station
Brittigan, Ruth Clark	Marietta	Nasrallah, Arthur R.	Akron
Bunts, Harold Arthur	Akron	Neff, Frank Robert	St. Clairsville
Burke, Charles Mayhew	Akron	Nolley, Gilbert Talmadge	Akron
Casserly, Jane Sloan	Akron	Patterson, Errett Daniel	Pipers Gap, Va.
Chamberlain, Florence Scott	Akron	Pearce, Robert Southwell	Akron
Cooke, Kathryn Miller	Akron	Pitt, Carlton Russell	Corry, Pa.
Cooper, Graydon Phillips	Akron	Pliskin, Samuel	Akron
Davis, Frank Spurgeon	Akron	Price, Jesse Ray	Akron
DeCamp, Emily Pauline	Akron	Renfrow, James Franklin	Akron
Dimmette, Celia Margaret	Akron	Riley, Claud Munroe	Cuyahoga Falls
Dunn, Carl A.	Akron	Slikkerveer, John Harold	Orange City, Ia.
Fink, Roy Donald	Kenmore Station	Spencer, Earl Theodore	Akron
Foltz, Bessie Mildred	Akron	Spuller, Mary Belle	Doylestown
Goodwin, Dorsey Aaron	Thornton, W. Va.	Stover, Ellsworth Elmer	Kenmore Station
Gray, Alma Lucile	Akron	Stratton, George Byron	Bluffton
Hixson, Clarence Albert	Akron	Weber, Robert George	Akron
Ink, David Halverstadt	Akron	Wilson, Harriet Beckwith	Akron
Krill, Albert Joseph	Akron	Witzberger, Clarence Michael	Akron

Men 32; Women 14; Total 46

SPECIAL STUDENTS

Gelink, Mrs. Myra	Akron	Swearingen, Willard P.	Akron
Gibson, Mabelle Gertrude	Akron	Vila, Robert Arthur	Hartford, Conn.
Hart, Eugene Frank	Akron	Weber, James Wayne	Sullivan
Hooker, Sadie Wilson	Akron	Williams, Glenn Allen	Akron
Jones, Alfred Hughes	Akron	Wilson, Miles	Urbana
Peters, Chalmer Alva	Rockland	Wortley, M. Marjorie	Akron
Polsky, Stella B.	Akron		

Men 8; Women 5; Total 13

CURTIS SCHOOL OF HOME ECONOMICS

GRADUATE STUDENT

Price, Mrs. Wreta LeeAkron
 B. S. in Educ., Ohio University.

SENIOR CLASS

Brewster, Kathryn CharlotteAkron Leckrone, Edna FaitheRavenna
 Gravesmill, Margaret AnneAkron Scobie, Emma ElizabethW. Richfield
 Total, 5 Women

JUNIOR CLASS

Hamilton, Gertrude MorrowHome, Pa. Read, JanetAkron
 Hay, Janet ElizabethAkron Witwer, Lois GeraldineAkron
 McGowan, Eleanor MarieAkron
 Total, 5 Women

SOPHOMORE CLASS

Brown, Ruth IsabellaCadiz Smith, Mildred EugeniaAkron
 Frederick, Lois IreneAkron Wozniak, Genevieve MaryAkron
 Total, 4 Women

FRESHMAN CLASS

Corbett, LaureneAkron Palmer, Ruth StaufferAkron
 DeLaney, Edith EstellaAkron Singleton, MargaretAkron
 Hissen, Ruby LucileEllet Station Thompson, JuellaAkron
 Total, 6 Women

IRREGULAR STUDENT

Hay, Helen EstherAkron

COLLEGE OF ENGINEERING AND COMMERCE

DEPARTMENT OF ENGINEERING

C. E.—Civil Engineering.
 E. E.—Electrical Engineering.
 I. E.—Industrial Engineering.
 M. E.—Mechanical Engineering.
 Engr.—Course not elected.

SENIOR CLASS

	Course	
Bierman, Philip Wilson	E. E.	Akron
Burkholder, Glenn Elwood	E. E.	Smithville
Hamlen, Earle Kenneth	M. E.	Akron
Hartman, Edward Robert	E. E.	Barberton
Hilbish, Harold Earl	M. E.	Akron
Hodson, Clinton Aloysius	M. E.	Akron
Hoopes, Frederick, W.	E. E.	Akron
Hostetler, Victor Henry	M. E.	Amherst
Kopf, Willard Emerson	C. E.	Akron
Lister, Nelson E.	M. E.	Canton
Marriott, Leonard A.	M. E.	Akron
Newhall, Clifton Murton	C. E.	Akron
Rang, Lester Theodore	E. E.	Akron
Schacht, John Conrad	E. E.	Amherst
Starr, Troy S.	E. E.	Gerry, New York
Suloff, Paul David	M. E.	Akron
Tinley, Charles David	E. E.	Akron
Tomb, Hamilton H.	C. E.	Clinton
Viall, Carl Sylvester	C. E.	Akron
Willett, Robert Bruce	M. E.	Akron

Total, 20 Men

JUNIOR CLASS

	Course	
Bender, John E.	C. E.	Canton
Benedict, Merland Henry	C. E.	Medina
Benseler, William	E. E.	Hanover, Germany
Blount, Kenneth Morgan	E. E.	Akron
Broxon, Robert Edgar	M. E.	Akron
Buffington, Gerald Edward	E. E.	Blue Diamond, Ky.
Clark, George Gerald	E. E.	Akron
Durant, Arthur Hervey	M. E.	Akron
Fisher, Leland V.	M. E.	Akron
Hanna, Elmer	E. E.	Akron
Hite, Glenn Oberlin	E. E.	Akron
Hoffman, Wilbur	E. E.	Akron
Jemison, Andrew	C. E.	Akron
Medvedeff, Nicholas S.	E. E.	Akron

Miller, Lawrence E.	C. E.	Akron
Mills, Donald William	C. E.	Akron
Sisler, Harlin G.	M. E.	Akron
Talisman, Volco	C. E.	Russia
Williams, Frank M.	C. E.	Kane, Pa.
Wilson, Wendall Oliver	E. E.	Akron
Woodward, William Brooks	E. E.	Kenmore Station

Total, 21 Men

PRE-JUNIOR CLASS

	Course	
Auten, Delbert E.	M. E.	Akron
Badonsky, Paul	C. E.	Akron
Bair, Lawrence V.	E. E.	Medina
Brennon, Louis Joseph	E. E.	Kenmore
Brewster, Todd Wayne	E. E.	Akron
Buckley, John Harrison	M. E.	Akron
Buckmaster, Charles W.	E. E.	Akron
Chenot, John R.	E. E.	Akron
Christman, Kermit Orison	I. E.	Cuyahoga Falls
Christoff, Elias Constantin	E. E.	Akron
Dice, William Merrill	M. E.	Akron
Dickinson, Neil Kenneth	E. E.	Medina
Flener, Paul E.	M. E.	Akron
Hunn, William Robert	M. E.	Sleepy Eye, Minn.
Hunt, Allison Orvis	M. E.	Wooster
Koehler, Henry	E. E.	Akron
Kraft, Theodore Andrew	E. E.	Akron
Krause, Floyd Carl	M. E.	Akron
Lambert, Edward Savinsky	I. E.	Akron
Lindholm, Jalmer John	C. E.	Dorset
MacFadyen, William Robertson	C. E.	Cameron, N. C.
Major, Robert Lee	M. E.	Akron
Manson, Finley James	M. E.	Akron
Miletti, Louis Fred	E. E.	Akron
Moore, James Russell	C. E.	Kent
Nye, Benjamin Elmer	M. E.	Sharon, Pa.
Pfromm, George Louis	E. E.	Akron
Ransom, Jay William	M. E.	Bryan
Richardson, John	C. E.	Akron
Salner, Edward	I. E.	Akron
Sawdy, Gordon F.	M. E.	Andover
Scharenberg, Elmer M.	C. E.	Everett
Schroeder, Ben George	I. E.	Akron
Schroeder, Harold Henry	E. E.	Freelandville, Ind.
Schutz, Emil	E. E.	Akron
Seifried, Anton George	E. E.	Kenmore
Sheedio, Wilfred Lullis	E. E.	Escaaba, Mich.
Shively, Harmon G.	E. E.	Akron
Snyder, Millard Sylvester	M. E.	Akron
Spicer, Alvin Whitelaw	M. E.	Akron
Springston, Clifford Dennis	E. E.	Akron
Stafford, Francis William	C. E.	Akron
Suloff, Karl Frank	M. E.	Akron
Symns, Samuel Y.	C. E.	Peterstown, W. Va.
Walker, Charles Edward	M. E.	Cleveland
Walters, Ellsworth Clement	M. E.	Tallmadge
Williams, Mearle Joyce	E. E.	Akron
Woodrow, Ernest J.	C. E.	Washington, D. C.

Total, 48 Men

SOPHOMORE CLASS

	Course	
Bechtol, Paul Shreckengast	E. E.	Akron
Brunswick, Paul Edward	M. E.	Akron
Buckley, Alan Gillan	M. E.	Akron
Claypoole, Clinton Young	E. E.	Adrian, Pa.
Corvington, Anthony Jules	C. E.	Epermay, France
Cross, Sherman	M. E.	Akron
Davis, Robert Martin	M. E.	Akron
DeYoung, Russell	I. E.	Akron
Fall, Amos William	M. E.	Port Clinton
Falls, Eugene Kelty	M. E.	Kent
Firth, Horace Webb	M. E.	Cuyahoga Falls
Fish, Herbert Raymond	M. E.	Akron
Galloway, Francis Laverne	M. E.	Peninsula
Gerber, Russell Arthur	E. E.	Akron
Germann, William Joseph	I. E.	Akron
Gillespie, Marshall Ford	I. E.	Akron
Hayes, Leroy	I. E.	Edinboro, Pa.
Hazlett, Robert Thomas	C. E.	Akron
Hoffman, Thelma	E. E.	Akron
Honeywell, Alba M.	M. E.	Millford, Ill.
Huber, Henry A.	E. E.	Akron, R. D.
Johnson, Wallace Harold	M. E.	Akron
Kochel, Robert Kenneth	M. E.	Orrville
Kuebler, William Otto	M. E.	Lakewood
Leibowitz, Sol	E. E.	Akron
Leshinsky, Isadore	I. E.	Akron
Levy, Isadore	E. E.	Akron
MacClellan, Malcolm W.	M. E.	Akron
McFarland, Walter C.	E. E.	Mosquero, New Mexico
Major, Thomas Elwood	M. E.	Peninsula
Martin, Earl H.	C. E.	Akron
Moody, Ralph James	M. E.	Akron
Murphy, George Patrick	C. E.	Akron
Olivo, Dominic A.	E. E.	Akron
Peterson, Walter K.	M. E.	Akron
Pliske, Henry Melchoir	M. E.	Cleveland
Poole, Donald S.	M. E.	Akron
Ream, Frank Edwin	M. E.	Akron
Renninger, Terry Donald	I. E.	Uniontown
Salner, Eugene Victor	E. E.	Akron
Schlegel, Albert Frederick	C. E.	Akron
Schwarzmueller, Harry	C. E.	Buffalo, N. Y.
Shepherd, Darrell R.	I. E.	Portland, Ind.
Shively, Russell Dewitt	E. E.	Akron
Smeal, Maldine Wayne	M. E.	Akron
Somogy, Chris	C. E.	Medina
Strole, Archie Edward	E. E.	Akron
Suttkus, Henry	M. E.	Orrville
Tambling, Philip A.	M. E.	Akron
Thomas, Harold Glen	E. E.	Akron
Tishoff, Marvin Manual	C. E.	Akron
Viall, Robert Albert	E. E.	Akron
Watson, John Graham	M. E.	Akron
White, Clarence Elton	E. E.	Jamestown, N. Y.
Witwer, Frank Cyrus	E. E.	Akron
Wolfe, Raymond F.	M. E.	Akron
Woodward, Foster, R.	M. E.	Akron
Yoder, Kermit Stanley	C. E.	Orrville

Men 57; Women 1; Total 58

FRESHMAN CLASS

	Course	
Allard, Carroll Preston	Engr.	Medina
Andrus, Jack Leroy	Engr.	Akron
Arnold, George W.	Engr.	Buffalo, N. Y.
Bartoo, Alfred Maurice	Engr.	Conneaut
Bechstein, Ralph Wm.	Engr.	Amherst
Bonham, Claude F.	M. E.	Sunbury
Boyd, Wm. John	Engr.	Cuyahoga Falls
Bundy, Gordon Stuart	I. E.	Kent
Capron, Chester Arthur	Engr.	Kenmore
Carillon, Frank R.	Engr.	Apple Creek
Chapman, Howard Glenn	Engr.	Medina
Christman, Francis Sherman	Engr.	Akron
Conroy, Vincent J.	Engr.	Akron
Cookro, Anthony	Engr.	Akron
Crosser, James Emmett	Engr.	Akron
DeLano, Chester Camp	Engr.	Akron
Esch, William J.	Engr.	Dearborn, Detroit, Mich.
Fink, Herbert Henry	Engr.	Akron
Gangl, Eugene	Engr.	Portage Lakes
Guinan, John Franklin	Engr.	Akron
Harman, Allan Meranda	E. E.	Akron
Harpley, Raymond Stein	Engr.	Akron
Hawk, Harry Dale	Engr.	Kenmore
Higgins, Bernard James	Engr.	Orrville
Higgs, Harold Thomas	Engr.	Akron
Johnson, Everett Forest	E. E.	Akron
Jones, James Edward	Engr.	Massillon
Kamp, Virgil Richard	Engr.	Akron
Kodish, Abe	Engr.	Akron
Kraus, Paul A.	M. E.	Silver Lake
Laiblin, William Albert	C. E.	Hartville
Laub, Robert William	Engr.	Markleysbury, Pa.
Lorenz, Walter Arthur	Engr.	Mantua
Lykins, Samuel Dale	Engr.	Tallesboro, Ky.
McDonough, J. B.	E. E.	Akron
Mansfield, Joseph Kenneth	Engr.	Donnellson, Ill.
Marcinkoski, Frank, Jr.	Engr.	Akron
Marconi, Albert Anthony	Engr.	Akron
Moeller, Howard Louis	Engr.	Akron
Moss, Jesse Stafford	M. E.	Cleveland
Moye, Norman Grey	Engr.	Akron
Mueller, John Eric	Engr.	Akron
Mullin, George Franklin	M. E.	Kenmore
Murphy, James T.	Engr.	Akron
Preusse, Robert Ernest	Engr.	Akron
Putt, Charles Edward	Engr.	Akron
Quinn, Gerald Summers	Engr.	Akron
Ries, Robert Albert	Engr.	Akron
Roeger, Earl Archibald	C. E.	Akron
Roesch, Harold	Engr.	Sandusky
Roos, Carl Louis	Engr.	Sharon, Pa.
Salyerds, Ronald Clifford	Engr.	Akron
Schieber, Henry John	Engr.	Akron
Schmittgen, Willard John	E. E.	Elyria
Schubert, John Arnold	Engr.	Akron
Shook, Donald Hartman	Engr.	Akron
Smith, Tom	Engr.	Akron

THE UNIVERSITY OF AKRON

Smith, Wm. James	Engr.	Evansville, Ind.
Spade, Russell E.	Engr.	Akron
Sparks, Paul Emerson	C. E.	Lakemore
Stine, Wm. Virgil	Engr.	Litchfield
Surbey, C. Wade	Engr.	Akron
Sweet, Wm. Robert	M. E.	Corry, Pa.
Syracopoulos, Philip C.	Engr.	Akron
Talisman, Leib	E. E.	Palestine
Triplett, Dean Franklin	Engr.	Akron
Trussell, Hobart Huston	Engr.	Akron
Vaughn, Francis Lyle	Engr.	Coudersport, Pa.
Waddell, Robert Grove	Engr.	Akron
Wansky, Morris Harold	Engr.	Akron
Wansky, Simon	Engr.	Akron
Warden, Ralph Park	Engr.	Akron
Werner, Howard Louis	Engr.	Lorain
Widick, Branko John	Engr.	Akron
Wykoff, Ralph Charles	Engr.	Akron
Yarian, Harold David	Engr.	Rootstown
Zabel, Albert	Engr.	Cleveland
Total, 77 Men		

IRREGULAR STUDENTS

	Course	
Carter, Corwin Howard	E. E.	Everett
Hobson, Lewis H.	E. E.	Akron
Total, 2 Men		

SPECIAL STUDENTS

	Course	
Cranz, Bruce Emmett	Engr.	Akron
Jewell, Jacob Wm.	M. E.	Akron
Mizel, Ben	Engr.	Canton
Total, 3 Men		

DEPARTMENT OF COMMERCE AND BUSINESS
ADMINISTRATION

GRADUATE STUDENTS

Barber, Ruth	Akron
B. S., Western Reserve University	
Lancaster, Emmer Martin	Akron
A. B., The University of Akron	
Men 1; Women 1; Total 2	

SENIOR CLASS

Forbes, Samuel John	Cuyahoga Falls	Rose, William Malcolm	Akron
Fulton, Charles Everett	Akron	Tidyman, Jack D.	Akron
Morris, Wesley Orton	Kenmore	Van Kirk, Budd	Akron
Nelson, Harold C.	Akron	Zuelsdorf, Ellwood Milton	Akron
Olden, Morris	Akron		
Total, 9 Men			

JUNIOR CLASS

Ard, James Weaver	Aaronsburg, Pa.	Lininger, Dale Chester	Norwood
Benson, George H.	Akron	Lins, George Walter	Akron
Black, Paul Eugene	Akron	Little, William Owen	Akron
Chapin, Maurine	Akron	McCollum, Wilfred D.	Akron
Crum, Allen Samuel	Akron	Neil, James Charles	Cleveland
Favinger, Clarence Means	Akron	Parsons, Percy Perry	Akron
Godlesky, Vincent Walter	Athol, Mass.	Place, Frederick Andrew	Akron
Hale, Edward Loren	Solon	Rogers, David Crum	Bucyrus
Hampel, Louis Frederick	Akron	Suitt, Samuel R.	Durham, N. C.
Harding, Clarence G.	Kenmore	Thatch, John S.	Akron
Herrick, Earl Victor	Akron	Zahniser, Robert Elmer	Akron

Men 21; Women 1; Total 22

PRE-JUNIOR CLASS

Morris, Donald Robert	Akron	Schlemmer, Robert Meade	Akron
Myers, Donald Herman	Akron		

Total, 3 Men

SOPHOMORE CLASS

Adams, James F.	Akron	Ostroff, Samuel	Akron
Albertson, Roy Earl	Cuyahoga Falls	Porter, John Edwin	Akron
Booth, Richard Francis	Akron	Reuter, George William	Akron
Demko, Michael Paul	Akron	Rivitz, Harold H.	Akron
Ensign, Hadley N.	Akron	Rogers, Cecil Albert	Akron
Foutts, Harold Charles	Akron	Savage, Harold William	Akron
Gordon, Jacob	Akron	Schell, Burton W.	Akron
Hartz, Gilbert Arthur	Akron	Secrest, Burt Theodore	Akron
Hunter, Harold Robert	Cuyahoga Falls	Tapper, Irving Bernard	Akron
Keen, Bernard Spencer	Akron	Turina, Irvin Walter	Akron
Kodish, Louis	Akron	Waggoner, Robert Hugh	Akron
McCallops, David Albert	Akron	Wagstaff, Kenneth Alonzo	Akron
Meadows, James Rufus	Akron	Walkup, William Edmund	Akron
Miller, William Weirich	Akron	Weber, Fred Charles	Akron

Total, 28 Men

FRESHMAN CLASS

Arnold, Harold Galin	Akron	Koehler, Donald Frank	Akron
Atterholt, William Lloyd	Akron	LoCascio, Joseph	Akron
Bradshaw, Thomas	Wallace, N. C.	Lockert, Robert Parker	Akron
Carper, Frank William	Akron	McCarty, Herschel Bernard	Marshall, Ill.
Coddington, Wilfred Ronald	Akron	Middleton, Arnold	Akron
Conley, Charles Blaine	Akron	Nelson, Richard Thomas	Akron
Cunningham, James Henry	Akron	Pearson, Norman Sanfrid	Akron
Ellis, Albert M.	Ellicottville, N. Y.	Peterson, Leo	Akron
Ewing, Robert G.	Akron	Radam, David	Akron
Favinger, Floyd Wilbur	Akron	Robb, James Edward	Kenmore
Flaugher, Frank Vernol	Akron	Roberts, Kenneth	Akron
Frantz, Harry Wilbur	Akron	Shaw, George Emmitt	Akron
Galloway, Robert William	Akron	Smelser, Eugene Richard	Akron
Gore, Gilbert Franklin	Akron	Smith, James Boyd	Macon, Miss.
Gray, Donald Joe	Akron	Speck, Leroy Alfred	Akron
Hamlin, Robert Evans	Akron	Strickler, Paul Wood	Cuyahoga Falls
Harry, Winchester	Akron	Stull, Richard Elmer	Akron
Hennessy, Harold Francis	Akron	Sweeny, Dow Edward	Akron
Husted, Lawrence Kissner	Warsaw	Tummel, Louis	Akron
Jackson, George Henry	Akron	Usher, George James	Akron
Jenkins, Robert William	Akron	Windsor, Frederick Thomas	Akron

Total, 42 Men

IRREGULAR STUDENTS

Bergey, Nelson Jacob	Akron	Ford, Morris Opal	Norman Station, Ind.
Bierce, Lucius V.	Tallmadge	Griesmer, Joe Andrews	Wadsworth
Bird, Thomas Whittier.....	Horse Shoe, N. C.	Shaw, Perry A.	Akron

Total, 6 Men

SPECIAL STUDENTS

Birch, Harry A.	Akron	Hlas, Pohn Peter	Barberton
Doland, Howard Arthur	Akron	Morgan, David	Newlinsburg, Pa.
Fair, Orville Raymond	Akron	Neag, Demetrius	Roumania
Gadd, Lester	Akron	Spratt, William Walter	Akron
Gruccio, Joseph	Akron	Yockey, Jacob Austin	Ozark

Total, 10 Men

SECRETARIAL SCIENCE COURSE

SENIOR CLASS

Stall, Margaret

Akron

JUNIOR CLASS

Sapp, Dora

Akron

SOPHOMORE CLASS

Armstrong, Catherine Jane	Akron	Munsell, Gertrude Ruth	Akron
Clark, Frances Adelaide	Akron	Orr, Grace	Attleboro, Mass.
Cohen, Jeanne Edithe	Akron	Schlemmer, Josephine Elizabeth.....	Kenmore
Danford, Dorothy M.	Akron	Starnes, Geraldine Leona	Akron
Jones, Margaret Celia	Akron	Young, Helen Louise	Akron

Total, 10 Women

FRESHMAN CLASS

Bitter, Esther Mary	Akron	Souers, Gertrude	Akron
Dix, Ruth Stevenson	Akron	Spratt, Bula Elizabeth	Akron
Ferrell, Janet Beverly	Barberton	Stall, Laura Elaine	Akron
Gangl, Ethel Helen	Portage Lakes	Stedman, Marion Edith	Akron
Moskovitz, Ruth Mildred	Akron	Stevens, Marjorie Adele	Akron
Myers, Wayne Leone	Kenmore Station	Thomas, Lucille	Akron
Presswell, Cosette Bernice	Kenmore Station	Woerz, Anna Margaret	Akron
Reaven, Shirley	Akron		

Men 1; Women 14; Total 15

IRREGULAR STUDENTS

Fanning, Edna Lou

Akron

THE TEACHERS COLLEGE

GRADUATE STUDENTS

Chandler, Lois Wood	Akron
Ph. B., Denison University	
Corbett, Evelyn Doris	Akron
A. B., The University of Akron	
Dorn, Ruth M.	Akron
B. S. in Commerce and Bus. Admin., The University of Akron	
Finley, Otis Ezekiel	Akron
B. E., The University of Illinois	
Hanna, Gaynelle Lisle	Alliance
B. A., Mount Union College	
Hassenfue, Mary Jane	Akron
A. B., Ohio Wesleyan University	
Hoffman, Mildred Almira	Akron
A. B., The University of Akron	
Horst, Harriet Eleanor	Akron
A. B., The University of Akron	
Lipps, Walter Conrad	Akron
B. E., The University of Akron	
McCown, Mary Ellen	Akron
A. B., The University of Akron	
Marquis, Ada	Akron
A. B., The University of Akron	
Mosher, Esther Naomi	Akron
A. B., The University of Akron	
Otis, Marie Louise	Akron
A. B., The University of Akron	
Plotkin, Louise	Akron
A. B., The University of Akron	
Schapiro, Mrs. Paula	Wadsworth
B. E., Lubeck, Germany	
Schiller, Mareta Grace	Akron
A. B., The University of Akron	
Test, Edna Moore	Richmond, Ind.
A. B., Earlham College	
Workman, Velma Olga	Bellaire
B. S., Mount Union College	

Men 2; Women 16; Total 18

SENIOR CLASS

Allen, Isabelle Frances	Akron	Bunnell, John H.	Akron
Allen, Sara Geraldine	Akron	Burgess, Bernadette J.	Akron
Alpeter, Katherine Marie	Akron	Butterworth, Mary Elizabeth	Kenmore Station
Apel, Sara B.	Akron		
Baus, Mary	Akron	Colville, Myrtle Blanche	Canton

THE UNIVERSITY OF AKRON

DeYoung, Catharine Myra	Akron	Mason, Ada Miriam	Akron
Egbert, Viola June	Barberton	Minnick, Marguerite Leone.....	Cuyahoga, Falls
Giroux, Henry Alfred	Akron	Myers, Ingram Calvin.....	Kenmore Station
Gross, Roy Edwin	Greentown	Nischwitz, Waldemar Alexander	Youngstown
Hannah, Alice Frances	Akron	Parsons, Frances Elizabeth.....	Akron
Harding, Elizabeth Jane	Akron	Randall, Lucetta B.....	Akron
Harford, Margaret Avanelle	Akron	Reiter, Alma	Akron
Hayes, Merlin Lewis	Akron	Richards, Marie Louise	Akron
Hinch, Roy Orris.....	Spring City, Tenn.	Robinson, Charles Ewing	Akron
Hopkins, Carl Lawrence	Akron	Rosenberg, Rose Rae	Akron
Hurst, Olive W.	Akron	Ruttman, Daniel Walter, Jr.....	Akron
Jusell, Judson George	Akron	Suhadolink, Lawrence Edward, Jr.....	Akron
Kennedy, Emily Virginia	Peninsula	Tisch, Loretta	Akron
Kline, William Spencer	Akron	Williams, Vivian Mary	Akron
Lebold, Ellen Lenore	Akron	Woodworth, Florence P.	Irwin
Ludlam, Eulalia	Akron	Wright, Helen Edith	Akron
McShaffrey, Mary Elizabeth	Akron		
Manziona, Anna Berenice	Akron		

Men 13; Women 30; Total 43

JUNIOR CLASS

Ahern, Rose Louise	Akron	Koester, Marie Johann	Akron
Allen, Gertrude Cecilia	Akron	Leibforth, Rozena	Akron
Allen, Grace Victoria	Akron	McCallops, Dorothy Zoe	Akron
Armacost, Kathryn Gertrude	Akron	McCown, Anna Mae	Akron
Barnes, Ethel G.	Canton	Marggraf, Edward Ewald	Akron
Barnholth, Claude Robert.....	Akron	Marks, Marie Marian	Akron
Baughman, Doris Elizabeth	Akron	Metzger, Frances Irene	Greentown
Brauenstein, Katie	Akron	Montgomery, Edwin Austin	Akron
Buys, Marjorie Anna	Akron	Myers, Donna	Wooster
Cardarelli, Anna Josephine	Akron	Myers, Edward C.	Akron
Christenson, Bernice Ruth	Akron	Nathanson, Mary Belle	Akron
Close, Alice Josephine	Akron	Poppenger, Bertha Blanche	Akron
Corl, Helen Marie	Akron	Reusch, Helen Margaret	Akron
Corns, Richard William	Akron	Rians, Dorothy Jane	Akron
Dasch, Anna May	Akron	Sanderson, Dorothy C.	Akron
Davenport, Winifred	Akron	Schory, Wilda	Akron
Emmons, Paulyne Drabelle	Akron	Sheinin, Katherine	Akron
Ewing, Dorothy Marie	Akron	Snyder, Anne	Akron
Fischer, Mary Louise	Akron	Spessard, Carl Dick	Akron
Fox, Jennie	Akron	Stroman, Doris Akers	Akron
Heepe, Ethel Marie	Akron	Sullivan, William Cornelius	Stryker
Hood, Margaret Helen	Akron	Thompson, Sarah Elizabeth	Andover
Hunter, Helen Hays	Barberton	Watkins, Pauline Lucille	Wadsworth
Hutz, Elonet Amelia	Akron	Weber, Fanny Margaret	Akron
Joachim, Lucile Charlotte	Wadsworth	Whiteman, Frank	Akron
Jones, Theodore Samuel	Akron	Williams, Evelyn May	Akron
Keep, Haskell Harold	Dorset	Williams, Irene	Akron
Keller, Ruth Edna	Akron	Wilson, Mary Catherine	Akron
Klipstein, Edward Emil	Akron	Yeager, Judd D.	Ellet Station
Knabe, Leona Ruth	Akron	Young, Ruth DuShane	Tallmadge
Koester, Lillian Adelia	Akron		

Men 12; Women 49; Total 61

SOPHOMORE CLASS

Ackley, Stanley	Akron	Bankes, Byron Alston	Portage Lakes
Armacost, Mildred Elisa	Akron	Bende, Helen Margaret	Kenmore Station
Armstrong, Mary Elizabeth	Akron	Bissell, Lilia Bishop	Akron
Avery, Virginia Harriet	Akron	Black, Clara May	Akron

Brothers, Madeleine Fay	Akron	Mitchell, Marian Elsie	Akron
Burket, Grace Lucille	Akron	Mogul, Julia Eisenberg	Canton
Button, Fae Elizabeth	Akron	Nathanson, Albert	Akron
Callan, Jay Dwight	Toledo	Newall, Helen Mae	Akron
Carey, Alice Beatrice	Akron	Palmer, Ellen Frances	Akron
Casenhiser, Clifford William	Akron	Parsons, J. Walter	Akron
Cherryholmes, Eva Priscilla.....	Barberton	Pearce Verena Queen	Akron
Cochrane, Kenneth	Akron	Peterson, Florence Harriet	Akron
Cohn, Virginia Webber	Akron	Petley, Harriet Louise.....	Kenmore Station
Conner, Virginia Montez	Akron	Pickton, Jeanne Leone.....	Akron
Cooper, Alice Margaret	Akron	Plum, Esther Irene	Akron
Cox, Homer Theodore	Akron	Rahner, Donna Frances	Akron
Daitch, Harry Jack	Akron	Reed, Edith	Barberton
Davis, Anna Louise	Akron	Reed, Martha Virginia.....	Kenmore Station
Deck, Frances Margaret	Akron	Richards, Sylvia Smith	Akron
Dehn, Viola Carolyn	Akron	Rife, Mary Ruth	Akron
DeSure, Mary	Akron	Rinaldo, Joseph Nicholas	Magnolia
Dickinson, Vivian Mae	Peninsula	Robertson, Alice Euphemia	Akron
Dietz, Josephine Helen	Akron	Roeger, Glen W.	Akron, R. D.
Elliott, Elizabeth Iris	Cuyahoga Falls	Russell, Elizabeth Miriam	Akron
Fassnacht, Edward Albert	Akron	Saffles, Frances Williams	Akron
Frank, Elizabeth Hope	Fairlawn	Schaeffer, Betsy Marian	Akron
Frederick, Virginia A.	Akron	Schiller, Florence Jeanette	Akron
Frye, Harold Eugene	Akron	Schultz, Rosalind Pearl.....	Cuyahoga Falls
Frye, Paul Leroy	Akron	Schwartz, Celia Helen.....	Cuyahoga, Falls
Gonder, Evelyn Ruth	Akron	Schwartz, Irene Lillian	Akron
Griffin, Alice Helen	Akron	Sherer, Ruth Gayle	Akron
Griffin, John C.	Akron	Sherwood, Coral Gwendolyn.....	Akron
Grosh, Elizabeth Freeman	Youngstown	Simpson, Norris Lavinia....	Kenmore Station
Haines, Ruth Elizabeth	Akron	Sloop, Harold	Akron
Hammond, Wayne Celian.....	Kenmore Station	Smith, Mercedith Mae	Akron
Heintz, Eleanor May	Akron	Snyder, Margaret Emma	Akron
Hofer, Elsie	Akron	Souers, Gene	Akron
Hoffman, Elizabeth Margaret	Akron	Stahl, Katheryne Mary	Kenmore Station
Hull, Wayne Duncan	Akron	Staley, Mary Lucille	Akron
Hutchinson, John Bernard	Akron	Stedman, Virginia Martha	Akron
Jenks, Iona Mapes.....	Chagrin Falls	Toharsky, Mollie F.	Akron
Kepler, Beatrice	Akron	Trommer, Ruth Marie	Akron
Kepler, Dorothy	Akron	Wagner, Lawton Robert	Akron
Kindig, Ruth Marian	Akron	Walsh, Marian Margaret	Akron
Kregenow, Mignonette	Akron	Waugh, Nina Aldene	Akron
Lackman, William Frederick	Akron	Wells, Arland Ray	Akron
Lenig, Delma Lucetta	Akron	Wharton, Kathryn Elizabeth	Akron
McAuliffe, Mary Madeline	Akron	Wise, Raymond Shirey	Akron
McDowell, Edwin Lincoln	Akron	Wood, Vadia Theresa	Akron
Mahoney, Elizabeth	Akron		

Men 25; Women 74; Total 99

FRESHMAN CLASS

Allbright, Kathryn Elizabeth	Akron	Buntz, Wava Audrene	Akron
Apel, Doris Jean	Akron	Burch, Thelma Lucile	Akron
Barlett, Mildred Mae	Akron	Coddington, Mary Lucille	Akron
Beims, Sophia Marie	Akron	Cogan, Madeline Mary	Akron
Belden, Edith Louise	Akron	Corbett, Ruth Mabel	Akron
Bergen, Elizabeth	Akron	Crane, Lionel Gail	Akron
Bergstrand, Bernice Bower	Akron	Cunningham, Dortha May	Akron
Blowers, Virginia	Akron	Dobbins, Anna Margaret	Akron
Boyd, Antoinette Laura	Akron	Dye, Delores Mary	Akron
Brauenstein, Anna	Akron	Ellis, Nina Minnie	Akron

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Esch, Elta Kathleen	Flinton, Pa.	Oldham, Mary Josephine	Akron
Felger, Mary Mourer	Akron	Patton, Ruth Emma	Akron
Fitterman, Sophie	Akron	Piazza, Josephine Agnes	Akron
Flint, Anna Mae	W. Webster, N. Y.	Plant, Betty Ruth	Akron
Florin, Ignatius Joseph	Akron	Porter, Mary Elizabeth	Akron
Freas, Helen Elizabeth	Akron	Reed, Helen Elizabeth	Akron
Freshour, Margaret	LaRue, R. D. 3	Rossi, Anna Marie	Akron
Funk, David Stanley	Newville, Pa.	Russell, Henrietta Irene	Akron
Gibson, Ruth Elizabeth	Akron	Sarchet, Elizabeth Fae	Akron
Gilletly, Donald Ewing	Sterling	Schaefer, Orien Clifford	Kenmore Station
Gochler, Charles Ralph	Akron	Sears, Clifford Thomas	Akron
Grimshaw, Lily	Akron	Seenberg, Ada	Akron
Gruener, Elvira	Akron	Shollenberger, Albert Luther,	Tyrone, Pa.
Hale, Mary Louise	Akron	Singer, Pauline Pearl	Akron
Harding, Wilma Josephine	Akron	Smith, Herman Lewis	Akron
Harwell, Mary Juliett	Akron	Smith, Lucille Jessie	Warsaw, R. 3
Hawkins, Edna Marie	Akron	Stetler, Meta Anne	Doylestown
Hercek, Catherine Margaret	Akron	Sumtiner, Juanita Una	Mt. Vernon
Huber, Ann Nina	Akron	Switzer, Ronald Earl	Akron
Irwin, Vera Erma	Canton	Talis, Ida	Akron
Johnson, Edith Victoria	Akron	Tapper, Irvin	Akron
Jones, Sarah Helen	Akron	Taylor, Virginia Morgan	Akron
Karlo, Alice Ruth	Mogadore	Thomas, Marion Gertrude	Akron
Kennedy, Pauline Lucille	Akron	Tragler, Marjorie Ruth	Akron
Kerr, Mida Betty	Akron	True, Della Davis	Detroit
Kirn, Dorothy Elizabeth	Akron	Tyson, Isaac	Akron
Krohmer, Paul Edgar	Ellet Station	Van Dis, Ernestine Ruth	Akron
Lloyd, Eleanor Ruth	Akron	Van Hoosier, Clyde Owen	Clinton, Ind.
Lyden, Marguerite Patricia	Niles	Vaughan, Elizabeth Lawton	Akron
MacGregor, Elizabeth Emily	Akron	Wall, Ruth Elizabeth	Akron
McGailley, Bernadette Marie	Akron	Waller, Georgena Josephine	Akron
McGuire, Ruth Elizabeth	Akron	Webster, Vashni Edward	Akron
McKinnon, Robert Lyle	Akron	White, Vivian Irene	Barberton
Mascola, Josephine Anna	Akron	Wigley, Virginia Jean	Akron
Miller, Lucille Marie	Akron	Woodburn, Margaret	Akron
Moore, Nellie Jane	Akron	Woofter, Louise Margaret	Akron
Morgan, Alice Louisa	Akron	Woolcock, Cyril William	Akron
Moye, Donovan Alto	Akron	Zemlansky, Olga Magdalene	Akron

Men 18; Women 78; Total 96

IRREGULAR STUDENTS

Huffman, Raymond Russell	Stryker	Templeton, W. Paul	Akron
			Total, 2 Men

SPECIAL STUDENTS

Hinkle, Lawrence	Akron	Winch, George Washington, Jr.	Akron
Tubbs, Clarence Wesley	Coshocton		
			Total, 3 Men

THE EVENING SESSION

Abdo, Joseph
 Adams, James
 Adams, Roger
 Aenis, V. E.
 Akers, Helen
 Akins, Merlin
 Albers, Alta
 Albertson, Oleta
 Aldrich, George L.
 Alexander, Arvin
 Alexander, C. W.
 Alexander, F. G.
 Alexander, Harriet
 Alexander, Maude
 Alexander, Rosanna
 Allen, Gertrude
 Allen, Isabel
 Allen, John
 Allen, Margaret
 Allen, Ruth
 Allio, James
 Alpeter, Charles J.
 Alpeter, Katharine
 Alspach, Martha E.
 Ambrose, Quentin T.
 Amos, Jennie
 Ammerman, H. E.
 Anderson, G. I.
 Andrew, Eva E.
 Anskay, Maxine
 Anthony, Lillian C.
 Arcidiacono, Joseph
 Ardelian, Agnes
 Armentrout, Dwight
 Armour, Margaret L.
 Armstrong, Mary
 Arnheim, Dick
 Arnold, C. H.
 Arnold, Claude
 Arneson, Loretta
 Atkins, Estie
 Ault, Bessie R.
 Ault, Eva D.
 Aumann, Henry F.
 Aunc, A. B.
 Austin, J. Atwood
 Auten, Josephine
 Averell, Max
 Averiett, Catherine
 Bache, R. F.
 Bachtel, Kenneth
 Bachtel, Mildred
 Backderf, L. H.
 Baird, Ray H.
 Baker, Alice
 Baker, Frank
 Baker, Orin D.
 Baldwin, Cecile
 Ball, George H.
 Ballard, Bess I.
 Ballard, Florence M.
 Ballere, Richard
 Balsinger, Lena
 Bankes, Walter E.
 Barber, Mabel
 Barbiers, Arthur R.
 Barker, Jay C.
 Barker, Laura
 Barkley, Florence F.
 Barnard, Virginia
 Barnes, Ethel G.
 Barnes, Eunice
 Barnes, Foster
 Barnes, Mabel
 Barnes, Mildred
 Barnes, Raymond H.
 Barnett, Sylvia
 Barnhardt, Jane S.
 Barnhardt, Richard
 Barnhardt, A. L.
 Barnhardt, Hanna B.
 Barnhill, Otis J.
 Barrackman, Lulu M.
 Barrett, Lois B.
 Barrick, Angeline
 Bartels, Ruth
 Bartholomew, Luther R.
 Barton, Sophia
 Bartsky, Roy F.
 Baruch, Laura L.
 Bastian, A. L.
 Batchelor, Grace I.
 Battistelli, R. E.
 Baudin, W. A.
 Baughman, Anebel
 Baughin, Maude
 Baum, J. Hadsell
 Baumgardner, Irene
 Baxter, Francis
 Baxter, Helen
 Beal, Neil C.
 Bean, Harold
 Beatty, George
 Beaver, Edna R.
 Beck, Emma
 Becker, Charles
 Becker, Harold
 Becker, John J.
 Beckett, Don
 Beckwith, Lester
 Beckwith, Alpha
 Beidler, Neil
 Belden, Mary
 Belenky, Deena
 Bender, Charles P.
 Bender, Elizabeth C.
 Bender, John E.
 Benn, Paul
 Bennett, Robert H.
 Bennethum, Glenn O.
 Benseler, William
 Benson, George
 Berger, June
 Berglind, Edwin
 Berman, Leonard B.
 Birmingham, Maye C.
 Berry, James A.
 Berry, Louise
 Bessay, R. S.
 Besser, Michael
 Best, John A.
 Betson, Emma
 Bettler, Bertha C.
 Bey, Albert P.
 Bey, Arthur E.
 Beyer, Albert
 Beyer, Forest A.
 Bickett, Frank
 Bigum, Helen
 Bing, Ross S.
 Bird, Thomas
 Bissell, Lillias
 Bissell, Neil
 Bitter, Esther
 Bittaker, George P.
 Bittman, J. C.
 Black, Clara M.
 Black, Ethel M.
 Black, Paul
 Blackman, W. G.
 Blake, Hazel M.
 Blank, Ruth E.
 Blasitz, Mike
 Blazek, Lydia
 Blazer, Mary
 Blazer, Violet
 Bliley, Elizabeth J.
 Blower, Leo
 Blumenstein, Rose
 Boback, Kathryn
 Bobbitt, Albert V.
 Bodle, V. H.
 Boedicker, H. R.
 Boehm, Carolyn
 Boehringer, C. W.
 Boggs, Maxwell P.
 Boland, J. R.
 Bolanz, Margaret
 Bolinger, Blanche E.
 Bolton, Madge T.
 Booner, Thomas M.
 Booster, Francis
 Booth, Richard
 Boots, Glenn L.
 Bordner, Ada
 Bordner, Paul
 Boss, Alice S.
 Boughton, Dorothy
 Bowen, Achsah
 Bowen, Beatrice
 Bowen, Bertha G.
 Bowen, Gladys
 Bowen, Janice B.
 Bowen, Maurice
 Bowdeon, Mabel
 Bowden, Marguerite E.
 Bowery, D. L.
 Bowsher, James R.
 Boylan, A. Lucile
 Boyle, Robert
 Boyle, Sarah
 Bradley, Phoebe
 Bradshaw, Thomas R.
 Brady, Geraldine R.
 Braley, G. V.
 Brast, Bertha
 Brauenstein, Katie
 Brazelton, John W.
 Brean, Joseph S.
 Breiner, Edward R.
 Breiner, Raymond J.
 Brenfleck, Elmer P.
 Brenfleck, Elvira
 Brewster, K. Charlotte
 Breyfogle, Estella C.
 Brickley, Helen
 Broadhurst, William
 Brodt, Eleanor E.
 Brodt, Helen M.
 Brown, Blanche
 Brown, Harry G.
 Brown, James
 Brown, Olin
 Brown, R. S.
 Brown, Robert
 Brown, Walter S.
 Brubaker, C. E.
 Brubaker, Irene
 Bruce, Alan E.
 Bruce, Elizabeth W.
 Bruderlein, Rilla
 Bucher, Elaine D.
 Buchtel, Emma C.
 Buckley, John H.
 Bucklin, Isabel
 Buckohr, Fred J.
 Buehl, Harold
 Buerkle, L. Herbert
 Bulgrin, Adolph
 Bulgrin, N. W.
 Bullach, Florence

Bunnell, John
 Bunts, Louis
 Burch, Howard H.
 Burgess, Bernadette J.
 Burgner, Donald D.
 Burgner, Hazel R.
 Burgoon, James A.
 Burns, C. A.
 Busby, Ruth Irene
 Bushey, Pauline L.
 Buskirk, Wanda
 Butcher, C. E.
 Butler, Worrton C.
 Butler, W. E.
 Butters, Harriet E.
 Butterworth, Frank
 Butterworth, Mary E.
 Butzer, Esther A.
 Cable, Rena Nancy
 Caldwell, Angus
 Caldwell, Emma
 Caldwell, Howard
 Callnon, Irene
 Campbell, J. M.
 Cannon, E. A.
 Cannon, Emma V.
 Capps, Amy
 Cardarelli, Anne
 Cardarelli, Jennie
 Cardey, Mrs. Arma
 Carey, Lila
 Carey, Lucille V.
 Carlson, Leidon W.
 Carney, Oval
 Carpenter, Raymond H.
 Carpenter, Thurman
 Carroll, John W.
 Carter, Anthony G.
 Carter, Lucille
 Casselberry, Arthur B.
 Casselberry, Jewel C.
 Cassley, Ethel R.
 Castanaro, Philip M.
 Catlin, Willard
 Cervenka, Edith
 Chamberlain, Armin C.
 Chamberlain, Georgia E.
 Chamberlain, Lester A.
 Chaney, Kathryn
 Chapel, Ruth
 Chapin, Maurine
 Chapman, Myron
 Cherryholmes, Eva
 Child, Harold R.
 Childs, D. S.
 Chisnell, Elmer
 Chittenden, Walter
 Christenson, H. V.
 Cimperman, John
 Cissne, Roy
 Clark, M. A.
 Clark, Merrey
 Clark, Orville
 Clark, Theresa
 Claypoole, Clinton
 Cleland, William
 Clemenson, E. M.
 Cleveland, R. D.
 Clopper, Ralph H.
 Cloyd, Ida E.
 Coburn, Roscoe
 Coby, A. B.
 Cochran, Harold M.
 Coddington, Wilford K.
 Coffin, Lawrence
 Cohen, Arthur
 Cole, F. M.
 Cole, Howard V.
 Cole, Lee
 Cole, Lytle
 Cole, R. J.
 Coleman, Helen
 Collier, Vynita B.
 Collins, Elizabeth
 Collins, W. H.
 Comer, E. Wayne
 Compher, Sara C.
 Conkle, Marion A.
 Conklin, Mattie V.
 Conley, Allie H.
 Conley, Dorothy L.
 Conley, Margaret
 Connelly, Charles E.
 Considine, Raymond
 Converse, Lucius
 Conway, Ruth
 Cook, Adrian V.
 Cooney, John
 Cooper, B. F.
 Cooper, Eloise
 Cooper, Robert W.
 Corbett, Evelyn D.
 Cori, Helen M.
 Corman, Eleanor
 Corman, Fannie
 Cormany, Lee
 Corns, Richard
 Corwin, Harold
 Coulter, Martin H.
 Cramer, Arlyn B.
 Cramer, Edna B.
 Cramer, Helen
 Crano, John
 Crano, Rose
 Crawford, Cletus B.
 Crawford, E. C.
 Crawford, M. Lee
 Cregan, Regis M.
 Creighton, Olin C.
 Creswell, E. Percy
 Crisp, Robert S.
 Cromley, Jane
 Croft, Nellie
 Crosby, Thelma A.
 Cross, Wanda L.
 Crown, Ralph F.
 Crown, Victor
 Cruce, William
 Crum, Allen
 Crum, Jessie E.
 Crumell, Lula M.
 Crusoe, Edmond L.
 Cubbison, Mark F.
 Culbertson, Vera
 Cully, John
 Culp, Arthur R.
 Culp, Vernon S.
 Curley, Thomas F.
 Curnow, John J.
 Currado, Frank
 Curry, F. D.
 Curry, Mildred
 Curry, W. H.
 Curtis, Mary E.
 Cutler, Thomas E.
 Cyriax, Carl
 Daily, Harriet
 Daily, Roy T.
 Dallas, Frank
 Dalrymple, Maude
 Daly, L. Sheldon
 Damerow, Otto R.
 Damerow, Richard T.
 Dandridge, Mildred
 Danforth, Florence
 Daniel, Nancy
 Dasch, Anna M.
 David, William H.
 Davidson, Charles
 Davies, J. P.
 Davis, Ford C.
 Davis, Gertrude
 Davis, Hazel Belle
 Davis, Hazel Kirke
 Davis, Margaret A.
 Davis, Marian
 Davis, Olive F.
 Day, Gertrude
 Dechant, Robert S.
 Deck, Francis
 Deck, John F.
 Decker, E. S.
 Deering, Bessie G.
 DeHaven, Dessie
 Delaney, Earle
 Delaney, Robert V.
 DeLine, Helen
 Demeter, Elias
 Denning, Muri I.
 Derson, Carl B.
 Dessecker, D. R.
 Dettling, Dorothy
 Deuber, Ivah
 DeVaughn, Ruth
 DeVere, L. E.
 Dewey, Harry
 DeYoung, Myra C.
 Dice, Henry G.
 Dice, William M.
 Dick, Florence M.
 Dickas, Kathryn
 Diller, Goldie N.
 Dilworth, Charles
 Dinius, Lowell W.
 Dissinger, M. R.
 Doak, Bessie
 Doan, John B.
 Dobie, Robert B.
 Dodge, Howard N.
 Doerler, Charles E.
 Doerler, Loila R.
 Dombroski, S. Walter
 Doner, Howard
 Doner, David W.
 Donnelly, Louise
 Doran, Anne
 Doran, Helen
 Dorman, May L.
 Dort, Silas A.
 Dottarar, Harold
 Dougherty, S. S.
 Downs, Burton
 Douth, H. M.
 Doyle, Harold
 Dozier, Raymond
 Drach, C. A.
 Dreher, Glen
 Dreisbach, Oliver C.
 Driscoll, Kathryn
 Dudley, John
 Duffey, Elizabeth M.
 Dunbar, John W.
 Duncan, Leland A.
 Duncley, Sarah
 Dunlap, Leroy
 Dunn, Emma
 Dunphy, Eleanor
 Dunphy, Martha
 Dunstan, Floyd
 Dutt, Marie
 Dye, Dolores
 Dye, Howard W.
 Dyke, Marjorie
 Dyke, Thelma
 Dyson, Phyllis
 Easterday, Hazel V.
 Easterday, Helen
 Ebright, Dorothy
 Eckert, Clara A.
 Ecrement, Lloyd L.

Edson, Frank T.
 Edelburn, Florence
 Edwards, Leslie D.
 Edwards, Marguerite
 Edwards, Mayme
 Eginton, Elizabeth C.
 Eiber, Alvin G.
 Ellet, Gladys
 Elliott, Sara E.
 Elliott, William J.
 Elmore, Estelle B.
 Elsass, Helen
 Ellwood, J. M.
 Emley, Josephine
 Emmons, Virginia Lois
 Endsley, Russell
 Engstrom, Esther Marie
 Eppley, H.
 Ervin, Berchal
 Ervin, Lillian
 Esch, Joye
 Esch, William
 Eubank, John
 Evans, Clyde A.
 Evans, D. S.
 Evans, David R.
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 Evans, Evan
 Evans, M. G.
 Evans, Minnie
 Evans, Robert
 Everett, Florence J.
 Everhard, Beulah D.
 Everson, Cora
 Ewalt, John C.
 Ewing, Dorothy
 Faber, Lillia
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 Fairbanks, Edna E.
 Fairbanks, Helen A.
 Fankbonner, Doris K.
 Farabaugh, Margaret
 Fargo, W. D.
 Farrington, Robert A.
 Farver, Ethel
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 Favinger, Clarence
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 Feil, Gail
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 Felmly, David F.
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 Ferguson, Donald
 Ferris, H. E.
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 Fickes, Robert W.
 Fiegly, Alice
 Fiers, N. Pearl
 Fink, S. H.
 Finley, Otis E.
 Finney, Addis H.
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 Firick, Florence L.
 Fischer, Edward
 Fisher, George A.
 Fitch, Winifred
 Fitzgerald, Anna M.
 Fitzgerald, David A.
 Flanigan, Mary Virginia
 Flanigan, Peter
 Flesher, Mamie
 Fletcher, L. E.
 Flint, Eldora
 Florin, Ignatius
 Fogle, W. G.
 Foltz, Esgar B.
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 Forbes, Gertrude
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 Force, Hudson J.
 Force, Marion E.
 Fornwalt, Roy G.
 Forshey, Charles H.
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 Fortner, Lois J.
 Foss, Richard W.
 Foster, Mary
 Fox, Iva
 Fox, Lee
 Fox Stacy J.
 Frampton, Bertha R.
 Frase, Alice
 Frase, Mabel
 Frederick, Florence
 Freund, K. C.
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 Freyberger, Ernest
 Fricker, Helen
 Fritch, E. D.
 Fritch, Mrs. E. D.
 Fritchman, J. B.
 Fritsch, Paul
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 Fry, G. E.
 Fry, Nora B.
 Fullington, Mildred
 Fulton, Charles E.
 Fulton, Harold
 Gadel, Joseph C.
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 Galloway, Marie
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 Garbett, Evelyn
 Gardner, Francis A.
 Garfield, Sonya
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 Garrison, Bernice S.
 Garver, Ira E.
 Gaston, Lawrence C.
 Gay, Kenneth
 Gaylord, Dorothy
 Gaylord, Helen
 Gear, George A.
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 Gehri, Lillian
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 Geiger, James C.
 Geis, John
 Geissinger, Roy B.
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 Georges, Jewel M.
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 Gibson, Marshall
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 Gibson, Sarah
 Giessen, Dorothy E.
 Gilbert, Ben
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 Gilbride, Rose
 Gilchrist, Ida J.
 Gilham, Clarence T.
 Gill, Ethel E.
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 Gillette, E. K.
 Gillooly, J. A.
 Gintz, H. E.
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 Goehler, Charles R.
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 Goff, Arthur H.
 Gokel, Elmer C.
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 Golitz, Thaddeus
 Gonder, Evelyn Ruth
 Gooch, Raymond O.
 Goodell, Dorothea
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 Goodman, Adolph
 Goodman, E. F.
 Goodman, Leo
 Goodwin, Dorsey
 Gordon, Claire E.
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 Gotham, T. Barry
 Grabill, Alice S.
 Graham, Herbert A.
 Graham, Luella
 Graham, M. M.
 Graham, M. Nevada
 Graham, Mildred
 Graham, Wilda T.
 Grant, Catherine
 Grant, Glennie M.
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 Grassbaugh, R.
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 Gray, Wava
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 Green, Russell
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 Grogan, Richard
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 Gross, Flora C.
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 Grossman, Mac B.
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 Grow, Milton
 Grubb, Edwin W.
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 Gugler, Bertha J.
 Gustafson, Huga F.
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 Hackett, C. W.
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 Haeefe, Pluma V.
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 Hamilton, Gertrude
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 Hammer, J. Stephen
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 Hanna, Gaynelle L.
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 Hanson, Margin H.
 Harding, Olive
 Hardy, Leslie P.
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 Harper, Don H.
 Harrington, Fay B.
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 Harris, Agnes M.
 Harris, Helen
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 Harsh, Elma K.
 Hart, Elizabeth E.
 Hartline, Chester V.
 Hartong, R. H.
 Hartz, Ralph W.
 Harvey, Harold P.
 Haslett, George W.
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 Hatfield, Dora B.
 Hathaway, Joseph K.
 Hauck, Laura N.
 Haus, Lucile
 Hawk, Ethel
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 Heaton, Sam B.
 Heckathorn, Anne
 Heckman, J. H.
 Hedlund, Margaret K.
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 Helmkamp, Theodore
 Heminger, Edgar J.
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 Henry, C. M.
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 Herbert, Mary
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 Herrick, Earl
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 Herrstrom, W. D.
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 Herzog, Paul
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 Heydorn, Walter
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 Hill, Florence E.
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 Hilbish, Russell W.
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 Hinch, Roy B.
 Hinderliter, Harry E.
 Hines, Frances G.
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 Hinsdale, Josephine
 Hissam, O. L.
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 Hoerbelt, G. J.
 Hofer, Elsie
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 Hoffman, George F.
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 Hogarth, Paul
 Holcomb, L. Herbert
 Holkko, Hilma A.
 Holldorf, H. R.
 Holley, Geneva
 Holloway, L. P.
 Holm, Edwin
 Holmes, I. A.
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 Holub, Miriam
 Holtz, Sam
 Homeier, Otto F.
 Hoobler, Paul
 Hoopes, Fred W.
 Hope, Homer H.
 Horger, Ralph E.
 Horning, Leone M.
 Horst, Harriet
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 Hossler, Willa A.
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 Housel, Mildred E.
 Howard, Harry P.
 Howell, Florence
 Hoyt, M. L.
 Huber, Roberta J.
 Hudack, Andrew
 Hudgins, Ercell S.
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 Hummel, E. Harry
 Humphrey, Nina S.
 Hunsicker, Juanita
 Hurcomb, Roy A.
 Hurst, Olive W.
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 Hyder, Sam
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 Hynd, David L.
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 Illenberger, Arthur
 Ingersoll, Robert
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 Irish, Clayton
 Irons, Albert
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 Iseman, A. L.
 Jaccaud, Elma T.
 Jackson, George J.
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 Jamison, C. L.
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 Jeppesen, Helen L.
 Jesse, Walter A.
 Joel, William A.
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 Jones, J. G.
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 Jordan, Adeline
 Juengel, Robert W.
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 Juthe, Marion S.
 Junge, Constance M.
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 Kanagy, Celia
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 Karadin, Anton
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 Kaufman, Robert
 Keach, John R.
 Kearns, F. O.
 Keck, Blanche I.
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 Keeney, Gilbert J.
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 Keirn, Winifred
 Keith, Buelah
 Kelly, John B.
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 Kelsey, William E.
 Kempel, Caroline B.
 Kennedy, E. M.
 Kennedy, Emily V.
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 Kent, Morris H.
 Kern, Ervin S.
 Kerr, Elizabeth M.
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 Kettren, Rose
 Keyes, Priscilla
 Kibler, Raeman A.
 Kick, Margaret
 Kider, George T.
 Kilburn, Ruth C.
 Killian, Francis J.
 Kincaid, Pansy S.
 King, Charles J.
 King, Frank E.
 King, James J.
 King, Jerome H.
 Kinkler, Ella
 Kinn, Walter N.
 Kistler, Marguerite
 Kittle, Lionel C.
 Kittredge, Lois
 Klahre, Ethel S.
 Klein, Anna M.
 Klein, Helen A.
 Klein, Mary K.
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 Klepinger, Mary K.
 Kline, Dorothy E.
 Kline, Helen
 Kline, Lois E.
 Kline, Paul
 Kline, Vera B.
 Knapp, Audrey I.
 Knerr, Elmer E.
 Knoske, Virginia I.
 Kocher, Franklin
 Kocher, Joseph M.
 Koester, Marie J.
 Koethe, Mabel
 Konter, Katherine

Koons, Wilbert
 Koontz, Mary Edna
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 Koontz, Rolland
 Kosch, Kermit
 Kovasgnai, Anthony P.
 Krabill, Paul
 Kranz, Charles R.
 Kraus, Alice B.
 Krause, Floyd C.
 Kroeger, William H.
 Kriegbaum, Mildred
 Krohngold, Cyril R.
 Krueger, Inez C.
 Krutel, Sadie
 Kuhne, Bernard G.
 Kunkler, Veronica
 Kuntzleman, Roy A.
 Labbe, Bettie A.
 Lacy, Mary
 Ladley, Mary E.
 Laepplly, R. F.
 LaGanke, Ruth
 Lake, Helen
 Lambert, Edward
 Landis, Eugene A.
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 Landon, Lloyd E.
 Lang, Alma
 Lang, Lester
 Lang, Pauline
 Lang, Victor L.
 Langer, Ralph P.
 Larson, Antoinette
 Larson, F. C.
 Lasch, Katherine
 Latshaw, Mildred
 Laub, Robert W.
 Lawitzen, W. M.
 Lawler, Doris
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 Lawrence, Mildred
 Lawrence, Millard L.
 Lawrence, F. Ulysses
 Lawrence, Thomas R.
 Layton, Walter
 Laxton, R. D.
 Lechner, Richard
 Leckrone, Edna F.
 Lecky, H. B.
 Leeper, Isadore
 Lehman, David E.
 Leib, Myrtle C.
 Leibole, W. A.
 Leigh, Harry L.
 Leight, Vesta M.
 Leiter, Carolyn B.
 Lemmler, Hazel R.
 Lenihan, E. R.
 Lent, Edson C.
 Leonard, Gladys
 LePrevost, F. Elene
 Leshinsky, I.
 Lewis, Cora B.
 Lewis, John B.
 Lewis, K. R.
 Lewis, Nadine
 Light, George S.
 Lightner, Beryl A.
 Lind, Pauline
 Lindemann, Robert E.
 Linn, Bertha G.
 Lippman, Julius R.
 Lipps, Walter C.
 Lipscomb, Joseph H.
 Little, William O.
 Littman, Eunice
 Litz, Randolph R.
 Litzinger, Josephine
 LoCascio, Joseph
 Locken, Norman
 Loeber, William
 Loewy, Martin
 Logan, Elizabeth D.
 Long, Carl M.
 Long, Edwin T.
 Lorentz, George M.
 Lose, Kathryn
 Lowe, Miriam E.
 Lower, Daisy F.
 Lowery, Matilde
 Lucas, George E.
 Ludlam, Eulalia
 Ludwig, Mary E.
 Ludwigsen, O. T.
 Luff, Lawrence D.
 Lundeen, Tom A.
 Lutz, Carl O.
 Lutz, S. Mae
 Lutz, Twila
 Lutz, Wilford I.
 Lyle, Chester A.
 Lyle, Donald
 Lynn, Dillard A.
 Lynn, Opal
 Lynn, Orrien K.
 Lyons, J. K.
 Lytle, Belle
 McAcy, Helen K.
 McArtor, Alice N.
 McAuliffe, Alice
 McCallops, David
 McCandish, H. M.
 McCartney, Ralph H.
 McChesney, H. W.
 McClure, Bernard L.
 McCobb, H. H.
 McConville, Robert E.
 McCorkle, Paul H.
 McCormick, Beatrice
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 McCormick, Mary E.
 McCown, Anna M.
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 McCune, Grace
 McDonald, Beatrice A.
 McDougal, John N.
 McDougal, J. T.
 McDowell, Anna E.
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 McFadden, Marion B.
 McGinnis, William M.
 McGowan, Gladys
 McGuckin, Charles M.
 McGuire, Katherine
 McGuire, Louis
 McIlroy, Thomas D.
 McKee, Eva A.
 McKee, Leora
 McKeehan, William C.
 McKelvey, Augusta
 McLean, W. R.
 McNamee, Raymond W.
 McNeese, Carl P.
 McPeck, John K.
 McShaffrey, Regina
 Maasen, Gustav C.
 Mabry, Winifred
 Mace, Mabel B.
 Mace, H. H.
 Mackay, Isabella
 Mackin, T. A.
 Makinson, Grant E.
 Madden, Lillian
 Mager, Ernest
 Maier, Bertha
 Maier, Edward L.
 Major, C. W.
 Major, Robert L.
 Majors, Leona P.
 Malberg, Achsah A.
 Malick, G. Franklin
 Malmquist, Edna M.
 Mandru, Paul J.
 Manliet, H. I.
 Manziona, Anna B.
 Marcus, Celia E.
 Marquardt, Edward
 Marsh, Marian J.
 Marshall, Donald F.
 Martin, Bruce M.
 Martin, Cletion
 Martin, Edith
 Martin, Jene
 Martin, Julia
 Martin, Nelda
 Martin, Rose E.
 Martin, W. T.
 Martin, Walter F.
 Mathews, Marguerite
 Matz, Claude A.
 Maur, Robert
 Maxwell, Charles H.
 Mayne, Robert
 Mayer, Elfrieda
 Maye, Marie A.
 Mayfield, Eugene A.
 Mayhew, Clarkson J.
 Mazey, Allyne
 Mazur, Hi
 Meadows, Pauline
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 Means, Huldah
 Means, Maynard
 Mearig, J. F.
 Mears, Charles A.
 Meiers, Walter W.
 Melander, Amanda
 Mellon, Herbert D.
 Mendelson, Jeannette
 Mengensdorf, Fay
 Menser, W. W.
 Merryweather, Clyde
 Metzger, Frances I.
 Metzger, John D.
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 Meyer, August
 Michel, A. Mae
 Middletown, Arnold
 Miksch, R. A.
 Millar, Marguerite
 Miller, Catherine C.
 Miller, David L.
 Miller, Dewey A.
 Miller, Dorothea F.
 Miller, E. Bruce
 Miller, Ellwood E.
 Miller, Ellis M.
 Miller, Grayce J.
 Miller, H. Amos
 Miller, Josephine
 Miller, J. Paul
 Miller, Louis F.
 Miller, Lucille M.
 Miller, Margaret H.
 Miller, Marie E.
 Miller, Mary L.
 Miller, Naomi
 Miller, Ralph V.
 Miller, Ruby J.
 Miller, Verna Mae
 Miller, Wendall A.
 Miller, William W.
 Millersack, John D.
 Mills, Kathleen
 Miner, William H.
 Minter, Irene
 Mitchell, Alber
 Mitchell, Emma S.
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 Moir, Harry G.
 Molenaar, Michel
 Moloney, Philip G.
 Monroe, C. T.
 Monroe, Mabelle H.
 Monroe, Stanley G.
 Montgomery, C. E.
 Moomaw, Phyllis
 Moon, Marie V.
 Mooney, Sara M.
 Moore, Alice
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 Morgan, George F.
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 Morris, Donald C.
 Morris, Vera I.
 Morris, W. O.
 Morrison, Charles H.
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 Mossler, George F.
 Mottinger, Neva
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 Moyer, Elfreda
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 Mueller, Elliott S.
 Mullett, Evelyn
 Mullikin, Alice L.
 Mulson, Madeline
 Murphy, C. W.
 Murphy, George P.
 Murphy, Paul R.
 Murphy, Raymond F.
 Murphy, Roger
 Murray, Gladys L.
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 Musser, Esther M.
 Musser, C. Harold
 Musser, Roy H.
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 Myers, Donald H.
 Myers, Earl E.
 Myers, Elmer F.
 Myers, Forest C.
 Myers, Forrest D.
 Myers, Gladys M.
 Myers, Ruth M.
 Nance, Cletis E.
 Nathanson, Mary
 Naumer, Lora I.
 Neal, Edith
 Neal, George C.
 Neil, Marie
 Neill, Raymond J.
 Neiswanger, Ruth
 Nellis, Gertrude
 Nelson, Harold C.
 Neuwirth, Mildred
 Newbauer, Henry M.
 Newkirk, Karl F.
 Nichols, Robert C.
 Nicholson, Laura M.
 Nischwitz, W. A.
 Noakes, L. C.
 Northy, Marian C.
 Norton, Helen C.
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 O'Brien, Mae M.
 O'Connor, Brendau
 O'Connor, Elizabeth
 O'Day, Lenora
 Ohl, Bernice
 Olsen, Louis
 Olson, Gaynell
 Olson, Pauline
 O'Mansky, Katherine
 Ondecker, Anne
 O'Neil, Eugene J.
 O'Neil, Bertram B.
 Oplinger, Clyde W.
 Orr, Dudley
 Osborne, Frances
 Osgood, Fred W.
 Ost, Ray
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 Owen, W. R.
 Oyston, Ernest
 Pace, L. L.
 Pahl, Agnes L.
 Palmer, Harry D.
 Palmer, Irene
 Panyi, Margaret G.
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 Parker, Ethel
 Parker, Harriet J.
 Parker, Lucian E.
 Parker, Walter
 Parks, Helen
 Parks, Keith A.
 Parks, Marjorie C.
 Parks, William M.
 Parry, Lissa
 Parseghian, Michael
 Parsons, George
 Parsons, Preston
 Parsons, J. Walter
 Parsons, Percy
 Parsons, S. Preston
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 Patterson, Paul M.
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 Peake, B. H.
 Pearce, W. J.
 Pearson, Gladys
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 Pease, Ruth M.
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 Pfeister, Sevilla
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 Phillips, H. Agnes
 Phillips, Lennie
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 Plant, Leland H.
 Plant, Paul B.
 Pleasants, Elizabeth
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 Plotkin, Louise
 Plum, Esther
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 Poppenger, Blanche
 Porter, Albert C.
 Porter, Mary Elizabeth
 Porter, Florence C.
 Porter, O. A.
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 Powell, Charles S.
 Powell, Dorothy
 Powell, Laura K.
 Powell, W. D.
 Powers, Emma F.
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 Randall, Lucetta R.
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 Reed, Edith H.
 Reed, Olive D.
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 Reece, Jane
 Reese, Ned L.
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 Reining, Elizabeth
 Reinoehl, Lloyd E.
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 Rhodes, Marguerite F.
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 Richards, Marie L.
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 Richardson, John C.
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 Riley, Vance L.
 Ringhand, Florence
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 Ritzman, Paul E.
 Robbins, Cecil
 Roberts, Bertha P.
 Roberts, Christine

Roberts, Gilbert
 Roberts, N.
 Robertson, Lowell E.
 Robinson, Bernice
 Robinson, Bertha H.
 Robinson, Francis
 Robinson, Margaret
 Rockwell, Bertha
 Rockwell, Theodore F.
 Roetzel, Marie J.
 Roetzel, Ruth L.
 Rogers, Howard V.
 Rogers, Mildred S.
 Rogovy, Eva
 Roman, Patrick
 Romig, L. Blanche
 Romweber, Ruth E.
 Rook, Margaret L.
 Roppel, Florence C.
 Rorick, Harvey L.
 Rosenberg, Rose
 Rosenbuech, Herman A.
 Rosenfeld, Wilbur F.
 Rosenthal, Benjamin
 Ross, Alice I.
 Ross, Clyde E.
 Ross, Gladys
 Ross, Mary G.
 Ross, O. C.
 Ross, Sarah
 Rossi, Anna M.
 Roth, Earl E.
 Rothermel, Bernard P.
 Rowan, W. J.
 Ruch, J. Earl
 Ruch, Lewis C.
 Rudy, Frieda
 Rufenacht, Paul F.
 Rumsey, Maude
 Rumsey, Rebecca
 Rupp, S. Srivilda
 Rumbaugh, Carlton D.
 Rushing, Blanche
 Russell, Effie
 Russell, Elizabeth
 Russell, C. Willard
 Ruston, Sarah G.
 Ruthenberg, E. C.
 Rutherford, Robert J.
 Ryan, Margaret M.
 Rylander, Martha O.
 Rynn, Edwin J.
 Sister Marie Agnes
 Sister M. Clarita
 Sister M. Helen
 Sister Mary Kathleen
 Sister Mary Roussert
 Sister M. Marguerite Walsh
 Saffel, Charles A.
 Safreed, Clair Olan
 Sagadensky, Marie
 Sammon, Thomas P.
 Sanders, Sam
 Sanderson, Dorothy
 Santrock, Nora
 Sarah, Richard
 Sarbey, Anne
 Sarchet, Fae
 Satterfield, Lillian
 Satteson, Carrie L.
 Satow, Ivan C.
 Sauber, Aurelia
 Sauder, A. E.
 Sauce, Kathleen
 Sawyer, Glenn G.
 Sawders, Helen
 Sawdy, Harold
 Sayre, Mildred
 Schacht, John
 Schaeffer, Carl H.
 Schaeffer, Marie
 Schaeffer, Forrest R.
 Schapiro, Mrs. Paula
 Scharfe, Robert
 Scheffer, Magdelene E.
 Schenz, J. Edward
 Schiller, Marena G.
 Schlemmer, Clayton
 Schlemmer, Robert
 Schlegel, Herbert
 Schliitt, Freda E.
 Schmidt, Carl L.
 Schofield, Walter
 Scholes, Hazel
 Schubert, Henry L.
 Schmuck, Florence P.
 Schwarz, Mary Alice
 Schwarzmueller, Harry
 Schweikart, Frieda L.
 Schwein, Mabel
 Scollard, Margaret
 Scott, Russell
 Seckel, Leroy E.
 Segerlund, Paul H.
 Seib, Edna
 Sellers, Hazel B.
 Sellers, Orville
 Serfass, Addie
 Serfass, Milo P.
 Shade, M. Elta
 Shaeffer, Clifton
 Shaeffer, Marie W.
 Shaffer, Emiline M.
 Shaffer, Emmert S.
 Shaffer, J. M.
 Shannon, C. L.
 Shannon, Ida C.
 Shannon, Lulu S.
 Sharp, Milo E.
 Sharpe, Nelle C.
 Shea, J. W.
 Sheaffer, Grace L.
 Sheard, Richard
 Shellenberger, Emmett C.
 Shelly, Joe
 Shepard, Mary E.
 Sherard, Ronald E.
 Shields, Edith F.
 Sherman, Louise J.
 Shetler, Verda I.
 Sherbondy, Kenneth B.
 Sherwood, Coral G.
 Shimmel, Chalmer
 Sholiton, Eva L.
 Shoemaker, F. Gordon
 Shreve, Harold B.
 Shumaker, John T.
 Shuman, Cottie P.
 Sillito, Lucile
 Sills, Evelyn
 Simmons, Donald P.
 Simpson, Anna
 Simpson, Mary Lee
 Simpson, William H.
 Simpson, Walter A.
 Sinclair, Hugh G.
 Singer, Beatrice E.
 Sisca, Anthony
 Sisko, Grace
 Simcox, Irene
 Skaer, Blanche
 Skeese, Hoover
 Skladen, Stephen J.
 Skinner, Cloyd E.
 Slanker, Harold B.
 Slater, Allene
 Slec, Victoria I.
 Sloan, J. Howard
 Slough, Robert K.
 Slusser, E. O.
 Slusser, Grace M.
 Slusser, H. L.
 Smeal, Maldine
 Smeltzer, Mae
 Smith, Douglas D.
 Smith, Elwynn
 Smith, Florence M.
 Smith, Gilbert H.
 Smith, Harry F.
 Smith, Harrison L.
 Smith, Harry L.
 Smith, Hazel V.
 Smith, Howard P.
 Smith, Jessie G.
 Smith, Kenneth
 Smith, Lee
 Smith, Lois
 Smith, L. Kyle
 Smith, Lulu I.
 Smith, Maude L.
 Smith, Mildred P.
 Smith, Mollie
 Smith, Morrison
 Smith, Norma
 Smith, Norman
 Smith, Robert M.
 Smith, Samuel W.
 Smith, Sinclair P.
 Smith, T. V.
 Smoyer, Nellie L.
 Snavely, Floyd A.
 Snelling, Mildred E.
 Snook, R. B.
 Snyder, A. L.
 Snyder, Beatrice R.
 Snyder, Bertha E.
 Snyder, Dora
 Snyder, Mahlon
 Snyder, Nellie M.
 Soehnlén, George J.
 Sohl, William E.
 Sommerfeldt, Myrtle M.
 Sonnhalter, Rita G.
 Soose, Adolph
 Soos, Velma M.
 Sorrell, Dimple
 Soubrielle, Joseph
 Sours, H. Gladys
 Spafford, Beryl
 Spain, C. A.
 Sparks, Henry C.
 Speers, Glenna
 Spears, Hulon
 Speicher, Joseph L.
 Spence, Park R.
 Spencer, Ethel M.
 Spencer, John N.
 Spencer, Margaret
 Spiker, Clyde J.
 Sprague, Ralph W.
 Sprague, Valette
 Spratt, Elizabeth
 Spratt, William W.
 Springer, Duane
 Springer, Marie
 Sprunger, Vernon J.
 Spuller, Minnie
 Squires, Blanche
 Squires, Horace D.
 Squires, Raymond
 Staacke, Charles W.
 Stalder, Chris H.
 Staley, Lucille M.
 Stanger, Rose M.
 Stallsmith, Edwin O.
 Stancliff, Fenton S.
 Stall, Blanche
 Stansbury, Mary
 Stansbury, O. E.
 Starkweather, Lucile C.

Starrine, Marvel
 Stauffer, Blanche V.
 Stebbins, Charles S.
 Stebbins, Thomas A.
 Stebich, Louise
 Steckhan, Charlotte
 Stedman, Virginia
 Steel, Frank E.
 Steffe, Edna
 Stehmeyer, Fred
 Stein, Elizabeth Clark
 Steinel, Lawrence
 Steiner, Elvira
 Stertz, Ariel
 Stephens, Alpha
 Stetler, Lucille
 Stewart, Henry
 Stewart, Marjorie
 Stilwell, Clair E.
 Stilwell, Norman R.
 Stivers, Frank
 Stockman, Emma
 Stone, George I.
 Stoner, James A.
 Storts, Adeline M.
 Stover, Gross H.
 Streby, L. B.
 Streib, Amanda
 Strobel, Dorothy
 Strough, Paul F.
 Strufe, Fred W.
 Stube, Arthur H.
 Stucker, Henry H.
 Stuckey, Emma
 Stump, Carl
 Sturman, Irene M.
 Sturm, Francis
 Sugar, Ben
 Sugden, John Henri
 Suhadolnik, Lawrence E.
 Sullivan, Ellen F.
 Sullivan, Helen J.
 Sullivan, Katherine
 Sullivan, Marnette E.
 Sullivan, Nora E.
 Suschik, Erfin G.
 Summers, R. W.
 Sumtiner, Juanita
 Sunderhaus, M. Ben
 Sutherland, E. B.
 Sutherland, Ida
 Sutton, M. Claude
 Swearingen, Walter
 Sweeney, Eugene F.
 Sweitzer, LeRoy
 Swisher, Paul
 Switzer, C. G.
 Switzer, Devere
 Switzer, Happy M.
 Sydlow, Mary C.
 Sykes, Harry
 Symms, Samuel Y.
 Sypfer, A. H.
 Taggart, William G.
 Taylor, Owen R.
 Taylor, Roberta Marie
 Teeter, Vivian
 Tennissen, Ann M.
 Test, J. Arthur
 Testa, James P.
 Tewksbury, Grace M.
 Theakston, Angie
 Thoma, Lloyd J.
 Thomas, A. J.
 Thomas, Dorothy S.
 Thomas, Esmond
 Thomas, Harold
 Thomas, Lillian Crawford
 Thomas, Stanton
 Thomas, William Glen
 Thompson, Grace
 Thompson, Mrs. O. F.
 Thompson, W. B.
 Thornberg, Frances
 Thourot, Grace Mary
 Thrasher, Amanda Lee
 Thutt, Sylvia W.
 Tidrick, LaVan
 Tietgen, Carl F.
 Tiffan, Frank F.
 Tillett, John
 Tinter, John
 Tisch, Loretta S.
 Titley, Norris
 Titmas, William G.
 Tobin, Paul E.
 Towell, Lorene
 Towne, Iva J.
 Tracey, Alice L.
 Tragger, Margaret
 Trainer, John E.
 Trautwein, Alice
 Trautwein, Helen
 Trautman, F. E.
 Traverson, Josephine
 Trece, Roy
 Treffinger, Carolyn
 Treffinger, Glenn
 Treleaven, Louis
 Treloar, Philippa
 Trenner, Anna R.
 Trenner, Ruth J.
 Tressler, Homer R.
 Trew, Bessie Duff
 Triplett, Bruce R.
 Trithart, L. G.
 Trump, Ruth A.
 Trusler, C. L.
 Turner, Alvin W.
 Turner, Margaret
 Turney, Theodore
 Tyler, Lloyd E.
 Ulmer, Guerdon
 Vance, Otto K.
 Vance, Odessa
 VanHyning, Bernice
 VanOver, H. E.
 VanRemes, Cornelius
 Vasbinder, Kenneth
 Vassel, Michael J.
 Vaughan, Melvin R.
 Velte, Margaret
 Vemity, George M.
 Venner, Esther M.
 Verran, Ruby A.
 Voitle, Glenna C.
 Viall, Robert A.
 Vogel, R. H.
 Voris, Marian
 Vorlander, Norman G.
 Von Gunten, W. E.
 Voss, William
 Vough, Guy O.
 Wachter, Rose C.
 Wade, Donald C.
 Wagler, Lerhetta
 Wagner, Anna M.
 Wagner, Henry
 Wagner, John F.
 Wagner, L. R.
 Wagner, Mary E.
 Walcott, Fannie S.
 Walker, Arby
 Waldkirch, L. Earl
 Walker, Ernest E.
 Walker, Muriel
 Walker, N. H.
 Walkup, A. Louise
 Wall, Glen B.
 Waller, Mabel
 Waller, Florence
 Wallace, Grace
 Walsh, Josephine
 Walsh, Raymond M.
 Walters, Ellsworth
 Ware, Dorothy D.
 Warner, Eva Pierce
 Warner, Florentina
 Watson, Gerald T.
 Watson, L. D.
 Watts, Stanley
 Waugh, Walter D.
 Waxman, Louis
 Way, Helen S.
 Way, Russell M.
 Wayne, Robert
 Weatherwax, P. C.
 Weaver, Burdette
 Weaver, Charlotte
 Weaver, Homer H.
 Webb, Vaughn M.
 Weber, Fanny M.
 Weber, George F.
 Weber, James M.
 Webster, Ruby
 Weigle, M.
 Weiler, W. D.
 Weiser, D. W.
 Weibole, Willard
 Wells, Ariand
 Wells, Cleon
 Wells, Mae
 Wells, Raymond
 Welsh, James A.
 Welsh, Iressa M.
 Welty, Frances
 Welty, Henry D.
 Werra, Gerhardt
 Westfall, Stella B.
 Wetterlund, Alice D.
 Wetzel, George E.
 Wetzel, Ward
 Weygandt, Edna K.
 Wheeler, James
 Wheeler, Robert M., Jr.
 Wheeler, Stephen
 Whelan, J. V.
 Whitacre, Clarence R.
 White, John H.
 White, Verena Lois
 Whorl, Ruth E.
 Whyler, Frank E.
 Wiedinger, A. J.
 Wiener, Mary E.
 Wiggins, Mary
 Wilcox, Forrest R.
 Wilcox, Irma
 Wiles, Bernice
 Willemson, J. W.
 Willenbacher, Genevieve
 Williams, Byrdie
 Williams, Dorothy M.
 Williams, Edward R.
 Williams, Glenn
 Williams, Harold
 Williams, Harry R.
 Williams, Mearle
 Williams, Nelson
 Williams, P. A.
 Williams, Robert E.
 Williams, Willard E.
 Willingham, Ruth P.
 Willmot, Leo J.
 Wills, Howard O.
 Willson, Edward A.
 Wilson, A. L.
 Wilson, Eleanor
 Wilson, June
 Wilson, Margaret I.
 Wilson, Loren

Wilson, Mary M.	Wolfe, Homer G.	Wright, Louise H.
Wilson, Walter F.	Wolfe, H. Vernon	Wykoff, Clarence H.
Winans, Charles F.	Wolfe, Raymond F.	Wyle, John J.
Winans, Marguerite	Woll, Edwin J.	Wymer, Lulu
Wince, Lena G.	Wood, Bertha	Yahl, Margaret W.
Windisch, Eva P.	Wood, John R.	Yarian, Harold
Wine, Rose	Wood, Leona R.	Yeager, Judd D.
Wineberg, Esther	Wood, Thomas B.	Yerrick, Helen L.
Wingerter, R. A.	Woodcock, Frederick L.	Yood, Marjorie L.
Winkle, Mary	Woods, Alice C.	Yost, Elizabeth
Winland, G. I.	Woods, Robert	Young, Foster J.
Wirth, Charles	Woodward, Lena M.	Young, Ruth D.
Wise, Hinda L.	Woodworth, Florence P.	Zadinajsky, Martin
Wise, Mabel	Woody, Hazel I.	Zahniser, Kenneth
Wise, Raymond S.	Woofter, Margaret Louise	Zahniser, Robert E.
Wiseman, Mae	Woolcock, Cyril	Zeis, Mary
Witmer, Merrill D.	Woolton, J. C.	Zembo, Stanley
Witter, T. H.	Workman, Lucille K.	Zepp, Marguerite
Witwer, Lois G.	Workman, Velma O.	Zettle, Ethel
Witzeman, B. Evangeline	Worrell, Mayme	Zimmerman, Ora F.
Woerz, Anna M.	Worrell, Virginia Mae	Zinninger, Alma M.
Wolf, D. S.	Wright, Estelle J.	Zook, D. B.
Wolfe, Edna	Wright, George D.	Zuiderhock, P. H.
Wolfe, J. Emerson	Wright, Helen	Zuver, Neva May

Men 1074; Women 909; Total 1983

1928 SUMMER SESSION

Adams, Jennie Hanson
 Aitkenhead, John, Jr.
 Albers, Alta
 Albertson, Oleta R.
 Albright, Georgia Anne
 Alexander, Maude Mae
 Allen, Isabelle Frances
 Allen, Sara Geraldine
 Alpete, Katharine Marie
 Amer, Francis Joseph
 Amer, Josephine R.
 Amos, Jennie
 Andrews, Ila Elizabeth
 Anthony, Lillian Constance
 Apel, Sara
 Archibald, Annie Etta
 Arkebauer, George G. A.
 Ashburn, Glenn A.
 Ashburn, Mrs. Mildred
 Aspell, Marion Lincoln
 Aspell, Rosalie Margaret
 Auten, Ralph W.
 Averell, Julia
 Bailey, Lucy Madge
 Bair, Marguerite Elizabeth
 Baker, Arda Mae
 Balinge, Blanche E.
 Bankes, Byron Alston
 Barker, Carl Harvey
 Barnes, Ethel G.
 Barnes, Lorena Ethel
 Barnett, Sylvia
 Bates, Franklin
 Baughin, Maude
 Baughman, Anabel
 Baumgardner, Irene Mae
 Baus, Mary
 Bean, Gladys Elizabeth
 Beaver, Edna R.
 Becker, Harold D.
 Belohlavek, Vlasta Marie
 Bettler, Marjorie R.
 Binet, Olga
 Birch, Harry A.
 Black, Margaret A.
 Black, Paul Eugene
 Blake, Hazel M.
 Blauch, Clemens E.
 Bolanz, Margaret Katherine
 Bolich, Catherine E.
 Bordner, Ada
 Bordner, Paul William
 Bowen, Nellie Beatrice
 Bowen, Belle
 Bower, Orpha
 Bowman, Bea Florence
 Bowman, Laura
 Brady, Richard
 Braverman, Dora Holub
 Brenfleck, Elvira Sutter
 Brewster, Charlotte
 Brothers, Jeanne
 Brown, Lucille
 Brown, Roy Edward
 Brown, Stella Marie
 Brubaker, Irene
 Bunnell, John H.
 Burgess, Bernadette
 Burgner, Hazel
 Burket, Grace Lucille
 Buys, Marjorie Ann
 Cahill, Laura Wilson
 Caine, James Rober
 Campbell, James Martin
 Cardarelli, Jennie
 Carney, Don T.
 Chadwick, Pearl Carrie
 Chalmers, Harry J.
 Chambers, Auten R.
 Chapin, Maurine
 Clayton, Dorsey M.
 Clemenson, E. M.
 Clement, Sela Page
 Cochran, Martha Laura
 Cockrell, Helen Elisabeth
 Cogan, Ruth M.
 Cole, Frederick Lamson
 Collins, Anne Elizabeth
 Colville, Myrtle Blanche
 Conklin, Mattie V.
 Conley, Sara
 Cooper, Plascette
 Corice, Elma Leona
 Corl, Helen
 Corl, Ralph
 Cramer, Edna Bernice
 Cramer, Helen Florence
 Crano, Rose Martha
 Crisp, Harriet Esther
 Croke, Kathryn Miller
 Croysdale, Arthur George
 Crum, Allen Samuel
 Cubbison, Jennie M.
 Culbertson, Vera Purkey
 Cunningham, Dortha May
 Daily, Roy Thomas
 Damon, Mabel
 Danforth, Florence M.
 Danforth, Gladys Scott
 Dansigen, Velma L.
 Davis, Frank Spurgeon
 Davis, Mrs. Hazel
 Dettling, Dorothy Margaret
 Dewey, Harry E.
 Dey, Alice Grace
 DeYoung, Catherine Myra
 Dickas, Kathryn Evelyn
 Donnelly, Louise N.
 Dornan, Mary Lewis
 Dull, Letta
 Dunckley, Sarah
 Earl, Grace
 Eberts, Edna J.
 Eckroate, Harold Joseph
 Ecrement, Lloyd LeRoy
 Edwards, Mayme G.
 Egbert, Viola June
 Eginton, Mrs. Elizabeth C.
 Eick, Mildred
 Elliott, Sara E.
 Emly, Josephine Cataldi
 Emmons, Virginia Lois
 Erb, Mrs. Nellie C.
 Ervin, Berchal
 Everhard, Beulah Idona
 Everhart, Florence Mildred
 Ewing, Mrs. Ruth
 Fairbanks, Helen A.
 Fankbonner, Doris Kathryn
 Farnsworth, Helen F. Barry
 Fassnacht, Edward Albert
 Feather, Elizabeth
 Felber, Anna Marie
 Ferguson, Don C.
 Ferguson, Marguerite L.
 Ferrell, Hazel Kreiter
 Fetter, Marfan E.
 Fetter, Marv I.
 Fitzharris, Cletus J.
 Flanigan, Mary
 Flickinger, Eleanor Kathryn
 Flickinger, Helen Louise
 Flint, Eldora
 Flory, Irene
 Forbes, Samuel John
 Fox, Iva Ella
 Frase, Mabel
 French, Charlotte Jeanette
 Fuller, Belle
 Fulton, R. Harrison
 Galloway, Marie Janet
 Gantz, Elsie Sharp
 Gardner, Edna R.
 Garvin, Lucy Ellen
 Germann, Paul P.
 Giessen, Dorothy E.
 Gilbride, Rose M.
 Gilham, Clarence Taft
 Gill, Marian
 Gille, Merrill Charles
 Gilleland, J. Ellsworth
 Giroux, Rachel
 Goodenberger, Harry T.
 Graham, Ruth Elizabeth
 Gray, Wava Vera
 Green, Gretchen G.
 Greenly, Russell James
 Gruber, Eunice A.
 Hadley, Lucy
 Hagen, John Ferdinand
 Hale, Edward L.
 Hall, Lowell Headley
 Hall, Vesta Gladys
 Halter, Florence Emma
 Hannah, Alice Frances
 Harding, Elizabeth Jane
 Hartford, Margaret A.
 Harris, Mary Louise
 Harrison, M. Elizabeth
 Harsh, Elma Kathryn
 Harshbarger, Glenn Eldon
 Harshbarger, Irene Mead
 Harter, Karl Walter
 Harwell, Mary Juliett
 Hatch, Frederic Oliver
 Hatfield, Dora Browne
 Hauck, Laura N.
 Hawk, Ethel
 Hawkins, Harriet Hampson
 Heer, Florence C.
 Helwig, Corinne Christine
 Henneuse, Margaret E.
 Henry, Minnie Pettitt
 Henthorne, Hazel
 Herrold, Verda Lucille
 Herz, Ella E.
 Hetrick, Arthur C.
 Hill, Charles J.
 Hill, Clarence F.
 Hill, Elisabeth
 Hill, Italia Elizabeth
 Hill, Marjorie
 Hillock, Amy Osborn
 Holub, Miriam Audrey
 Holub, Sam M.
 Horst, Henry M.
 Housel, Mildred Ethel
 Houser, Ruth
 Hoy, Eleanor
 Hunter, Helen Hays
 Hurst, Robert Erskine
 Hutz, Elonet A.
 Inches, Eleanor M.
 Inks, Reva Elenor
 Irwin, Edna Margaret
 Jackson, Helen Jean
 Jackson, Martha Elizabeth
 Jacobs, Blanche Elizabeth
 James, Ruth
 Jardine, Sister Mary Damien
 Jehle, Mimi Ida

Jeter, Raphael Garland
 Joachim, Charlotte Lucile
 Johnson, Gladys Miller
 Johnson, Margaret Burket
 Jones, Thomas Edwin
 Justice, Audrey Belle
 Justice, Erma Beryl
 Keck, Isa
 Keep, Haskell Harold
 Keifer, Ruth Loretta
 Keirn, Winifred
 Keller, Margaret Esther
 Kelly, Hannah A.
 Kelly, Katherine Ursula
 Kendeigh, Mabel C.
 Kennedy, Emily Virginia
 Keyes, Priscilla Sims
 Kittredge, Lois
 Klinker, Enid Grace
 Knecht, Cloda
 Koegel, Louise
 Kopi, William Henry
 Krager, Lillian G.
 Kregenow, Mignonette
 Krill, Mollie Odelia
 Krohngold, R. Cyril
 Krupp, Ilma Irene
 Krutky, Theodore
 Kunkel, Goldo
 Lang, Pauline Freeda
 Lange, Ruth Frances
 Lanigan, Dorothy
 Lauby, Myrtle
 Lawrence, Paren Ulysses
 Lebold, Ellen Lenore
 Leckrone, Faith Edna
 Lentz, Edith Tucker
 Levin, Ann
 Lewis, John Bernard
 Lewis, Lois Samples
 Libis, Nadine
 Libis, Robert L.
 Lieberman, Harry
 Lizawetsky, Bessie
 Lowen, Ellis Edgar
 Lowen, Seymour S.
 Lowery, Matilde
 Loyd, Eleanor A.
 Lyman, Alfred Lucius
 Lynn, Ruby F.
 McAadoo, Don Paul
 McAuliffe, Alice Elizabeth
 McAuliffe, Mary Madeline
 McCallops, David Albert
 McCollum, Inez
 McCollum, Wilfred
 McCormick, Beatrice Lillian
 McCormick, Mary E.
 McCown, Mary E.
 McDowell, John Paul
 McFarlin, Edna
 MacKinnow, Margaret S.
 McShaffrey, Rita Rose
 McVean, Etta Mina
 Maas, Theresa
 Manelik, M. Harriet
 Manion, Dorothy Anne
 Mann, Ardath Mildred
 Manziona, Anna Bernice
 Marks, Eunice Olga
 Marsh, Marian Jane
 Martin, Leonard Bowman
 Martin, Nelda Elizabeth
 Marty, Alpheus B.
 Marxen, Elsie
 Mason, Clyde Leslie
 Mast, Florence
 Matson, Howard Virgil
 Mayhew, Clarkson J.
 Mazey, Mrs. Alleyne
 Medley, Marie Margaret
 Melander, Amanda C.
 Metzger, Frances
 Metzger, Mary E.
 Meyer, Gertrude
 Miller, Alice Irene
 Miller, Arthur N.
 Miller, Dorothea Faye
 Miller, Ellen Gerwick
 Miller, Grayce Jeannette
 Miller, Helen Elsie
 Miller, Josephine
 Miller, Marie E.
 Miller, Ruth Leora
 Miller, William W.
 Mitchell, Thelma M.
 Mock, Beulah I.
 Moon, Virginia
 Mooney, Sara Margaret
 Moore, Alice F.
 Moore, Ethel Adalaide
 Moore, John F.
 Moore, Lena
 Moore, Maude
 Moorehead, Alta Timlin
 Morgan, Howard Edwin
 Morris, Evelyn Bell
 Morris, Robert Frederick
 Morris, Vera I.
 Morris, Wesley O.
 Morrison, Janet
 Morrison, Walter H.
 Motmiller, Neva Doris
 Moyer, Wade
 Mullett, Evelyn Edith
 Mullikin, Alice Lavinnia
 Musser, Mae Esther
 Myers, Martha
 Nesbitt, Clark R.
 Neuwirth, Mildred Smith
 Nickerson, Mabel Collier
 Nicodemus, Alberta
 Nolley, Gilbert T.
 Nottingham, Margaret Anne
 O'Neil, Mary Catherine
 Oplinger, Henry George
 O'Prey, Howard Michael
 Orin, Pauline
 Otis, Marie Louise
 Parenti, Juliette
 Park, Mae
 Parker, Anna Fay
 Parker, Fern Cochran
 Parr, Viola Lunetta
 Parry, Lissa
 Parsons, Walter
 Pearson, Gladys
 Pease, Ruth M.
 Pees, Mahala Jane
 Piersol, Odell Emerson
 Pembroke, A. McCullough
 Perry, Rose A.
 Perry, William Thomas
 Pfaff, Rhea
 Pfeiffer, Olive Beatrice
 Pittenger, Doris Jean
 Player, Willa Beatrice
 Plum, Esther Irene
 Pontius, Beulah Marie
 Porter, Florence C.
 Potschner, Stella L.
 Price, Maude
 Pryor, Isabell Mae
 Purdy, Vada H.
 Putnam, Grace Miller
 Pyers, Bessie
 Quillen, Marion Juanita
 Quirk, Alice Regina
 Rainey, Carroll
 Randall, Lucetta Rebecca
 Ranson, Mildred
 Read, Ralph D.
 Redinger, Catherine J.
 Redinger, Mary E.
 Reed, Edith
 Reed, Harry Elmer
 Reed, Margaret Lyle
 Reed, Martha Virginia
 Reining, Elizabeth
 Reublin, Addie Mildred
 Reynolds, Myrtle
 Rhodes, Marguerite Florence
 Rians, Dorothy Jane
 Rice, Esther Fisher
 Rice, Russell
 Riehl, Doris Lucille
 Ritzman, Robert W.
 Roberts, Bertha Porter
 Robinson, Margaret
 Rogers, David C.
 Romig, Lucreta Blanche
 Roof, Hallie Bernice
 Rose, William M.
 Rosenfeld, Hannah
 Ross, Alice Isabelle
 Ruch, Lewis Conrad
 Ruth, Estelle Fossee
 Ruttman, Daniel Walter
 Santrock, Nora A.
 Satow, Ivan C.
 Saunders, Esther
 Schaeffer, Forrest R.
 Schlitt, Freda Elizabeth
 Schott, Dorothy E.
 Schubert, Henry
 Schwartz, Celia Helen
 Schwary, Grace Irene
 Schwarz, Mary Alice
 Scobie, Emma
 Sellers, David Conrad
 Sellers, Hazel Belle
 Sellers, Samuel
 Shaeffer, Clifton
 Shaeffer, Marie W.
 Shafer, H. Alice
 Shaffer, Beulah Marie
 Shaffer, John M.
 Shanahan, Doris Elizabeth
 Shaw, Harland H.
 Sheimin, Katherine
 Shepard, Evalena
 Shields, Edith F.
 Shower, F. Rebecca
 Shrigley, Mynetta
 Shuman, Cottie P.
 Shunk, Arline L.
 Sigler, Grace F.
 Simpson, Mary L.
 Singer, Beatrice E.
 Smiley, Dorothy F.
 Smith, Harry A.
 Smith, Mattie Mae
 Smith, Nola Louise
 Snyder, Anne
 Snyder, Bertha E.
 Snyder, Virginia Grayce
 Sorn, Grace J.
 Spafford, Beryl
 Sparhawk, Evelyn Lucy
 Stahl, Mary Katherine
 Staley, Elizabeth L.
 Stanley, Sarah J.
 Stansberry, Callie Maud
 Stauffer, Blanche Verena
 Stebbins, Mildred E.
 Stein, Elizabeth Clark
 Stewart, Nella
 Stock, Laverna
 Strong, Cordella Ruth
 Stuver, Bernice I.

THE UNIVERSITY OF AKRON

Sugden, John Henri	Trainer, Grace	Wilson, Hannah Jane
Sullivan, Ellen F.	Tressel, Helen Margaret	Wilson, Margaret Isabella
Sullivan, Gladys Jackson	Trew, Bessie Duff	Wilson, Mary Catherine
Sullivan, Katherine	Trump, Ruth Aileen	Wilson, Mary Ellen
Sullivan, Marnette Ellen	Tschantz, Helen Pauline	Wilson, Carrie Virginia
Sullivan, Nora E.	Upstill, Helen	Windisch, Eva Pauline
Sullivan, William C.	Van Kirk, Budd	Wine, Rose
Sutherland, Ida	Vermillion, Mrs. Gertrude	Witherow, Frank Charles
Swanson, Oscar E.	Wagner, Lawton Robert	Wolfe, Edna
Swartz, Joseph Harold	Wagstaff, Kenneth Alonzo	Wolfe, David
Sweet, Harold W.	Wallace, Grace	Wood, Lucile
Taylor, Charles Clinton	Waller, Florence J.	Woodard, Orrin Jonathan
Taylor, Roberta Marie	Waller, Georgena J.	Woodward, Geraldine
Tennissen, Ann Marie	Walter, Mabel Estella	Woodworth, Florence P.
Test, Edna Cleo Moore	Walter, Mary Marguerite	Wooliscraft, Arthur
Thomas, Daniel	Walter, Merrill Elmer	Work, E. Elisabeth
Thomas, George Browning	Ware, Dorothy D.	Workman, Lucille Kieffer
Thomas, Harold G.	Webb, Vaughn M.	Woodford, DeWitt E.
Thomas, Harold Ray	Weisel, Daniel Webster	Wyatt, George M.
Thompson, C. Porter	Wells, Mae	Yates, Dora S.
Thompson, Mabel A.	Wenger, Courtney Harry	Yeager, Judd D.
Thompson, Martin Edward	Werner, Frank H.	Yost, Claire Biles
Tidyman, Jack D.	Whalen, Louise J.	Zeis, Ruth Marie
Toharsky, Mollie	Williamson, Odas D.	Zepp, Florence E.
Tompkins, Katherine Elinor	Wilson, Ethel Louise	Zinninger, Alma
Trageser, Mignon Spence	Wilson, Gladys Opal	Zockine, Sue Winifred

Men 142; Women 407; Total 549

SUMMARY OF STUDENTS IN DAY CLASSES

BUCHTEL COLLEGE OF LIBERAL ARTS

	Men	Women	Total
Graduate Students	8	2	10
Seniors	53	30	83
Juniors	64	30	94
Sophomores	71	45	116
Freshmen	109	62	171
Irregular Students	32	14	46
Special Students	8	5	13
	345	188	533

CURTIS SCHOOL OF HOME ECONOMICS

	Women	Total
Graduate Students	1	1
Seniors	5	5
Juniors	5	5
Sophomores	4	4
Freshmen	6	6
Irregular Students	1	1
	22	22

COLLEGE OF ENGINEERING AND COMMERCE

	Men	Women	Total
Graduate Students	1	1	2
Seniors	29	1	30
Juniors	42	2	44
Pre-Juniors	51		51
Sophomores	85	11	96
Freshmen	120	14	134
Irregular Students	8	1	9
Special Students	13		13
	349	30	379
Distribution by Departments			
Engineering	228	1	229
Commerce and Business Administration.....	120	2	122
Secretarial Science	1	27	28
	349	30	379

THE TEACHERS COLLEGE

	Men	Women	Total
Graduate Students	2	16	18
Seniors	13	30	43
Juniors	12	49	61
Sophomores	25	74	99
Freshmen	18	78	96
Irregular Students	2		2
Special Students	3		3
	75	247	322

SUMMARY OF ALL STUDENTS IN THE UNIVERSITY

	Men	Women	Total
Graduate Students	11	20	31
Seniors	95	66	161
Juniors	118	86	204
Pre-Juniors	51		51
Sophomores	181	134	315
Freshmen	247	160	407
Irregular Students	42	16	58
Special Students	24	5	29
<hr/>			
Total in Day Session	769	487	1256
Total Evening Session	1074	909	1983
Total Summer Session (1928)	142	407	549
<hr/>			
Total enrollment	1985	1803	3788
Less duplications			446
<hr/>			
Total net enrollment			3342
Total net enrollment reduced to full-time student basis, evaluating five part-time (evening and summer) stu- dents as equivalent to one full-time student			1673

DEGREES CONFERRED JUNE 12, 1928

BUCHTEL COLLEGE OF LIBERAL
ARTS

BACHELOR OF ARTS

Reginald Myers Alexander
 James Eckert Alpeter
 Josephine Rose Amer
 Marian Lincoln Aspell
 Julia Averell
 Benjamin Harger Baldwin
 Donald Gerst Bishop
 Robert Kincilowe Bond
 Gladys Ann Burge
 Evelyn Doris Corbett
 Elma Leona Corice
 Charles Francis Coup
 Donald Harper Davis
 Alice Grace Dey
 Winifred Eleanor Dodge
 Phyllis Wheatley Dyson
 Jean Virginia Esgate
 Earl Roger Gilleland
 Dorothy Alice Hamlen
 Robert Foote Harris
 Harriet Eleanor Horst
 Paul Edwin Jacobs
 Lillbern Beedle Johnson
 Wilford Irvin Lutz
 Mary E. McCown
 Janie Loudell McLaney
 Ruth K. McPeake
 Ada Marguerite Marquis
 Ernest Huston Midkiff
 Elizabeth Croninger Milar
 Leslie S. Miller
 Thelma M. Mitchell
 Esther Naomi Mosher
 Norma Ruth Olin
 Marie Louise Otis
 Harold Dean Parker
 Leland Haymond Plant
 Louise Plotkin
 Charles I. Rhodenbaugh
 Clyde Emery Ross
 Mareta Grace Schiller
 Norman Smith
 John Patrick Sullivan
 Jerome Taylor
 Katherine Ann Tobin
 Mary Grace Trainer
 Elizabeth Wetsel
 Robert Clark Whittemore
 Arthur Frost Williams
 Ralph Charles Williams
 Florence Elizabeth Zepp

BACHELOR OF SCIENCE

Carl Werner Brodt
 Jesse Lewis Crankshaw
 Arthur Dobkin
 Beulah Idona Everhard
 William Evkovich
 Clifford W. Kauffman
 Donald Edward Leonard
 Thomas Scott Moore
 Raymond Nethers
 Robert Clarence Nichols
 William Earl Stewart

MASTER OF SCIENCE

Otis D. Cole

CURTIS SCHOOL OF HOME
ECONOMICSBACHELOR OF SCIENCE IN HOME
ECONOMICS

Mildred Frances Baughman
 Irma Mac Burr
 Winifred Lona Cross
 Margaret Karine Hedlund
 Sarah Alberta Hunsicker
 Nelda Elizabeth Martin

COLLEGE OF ENGINEERING AND
COMMERCE

CIVIL ENGINEER

Raymond Alvin Harter
 Kenneth Raymond Hooley
 Vernon Carl Miller
 Ralph Adkins Wingerter

ELECTRICAL ENGINEER

Paul Kenneth Baker
 Carl Robert Delagrange
 Robert William McCracken
 Joseph Edward Schafer

MECHANICAL ENGINEER

David Bardsley Allen
 Edward Gurin
 Henry Orrin McCluer

BACHELOR OF SCIENCE IN BUSINESS
ADMINISTRATION

Paul E. Benn
 Fred C. Bock
 William Ellsworth Lodge
 Herbert Guy Mote
 Dorothy Elizabeth Roeger
 Russell Mealy Zahniser

BACHELOR OF SCIENCE IN COMMERCE AND
ADMINISTRATION

Ruth M. Dorn

THE TEACHERS COLLEGE

BACHELOR OF EDUCATION

Virginia Louise Adams
 Margaret Jeffrey Allen
 Lorraine Austin
 Mary Catharine Bailey
 Dorothea Barber
 Ethelyn May Barber
 Jane Sargent Barnhardt
 Mary Kathryn Beck
 Katharine Virginia Beckwith
 Helen Precious Blackburn
 A. Lucile Boylan
 Rena Nancy Cable
 Auten Randolph Chambers
 Ruth Ella Crankshaw
 Elizabeth J. Dettling
 Marguerite Hudson Dilley
 Ann Freedman
 Violet Elizabeth Glass
 Wilma Pauline Glass
 Elizabeth Ellen Hackett
 Freda Mae Harris
 Hildegard Evelyn Hein
 Josephine Ruth Hickox
 Neva Fay Holman
 Bess J. Householder
 Pauline Elizabeth Kaiser
 Marion B. Kleckner
 Elsie Ellen Kuehne
 Thelma Marie Lambert
 Laura Alnetta Leeper
 Bessie Lieberman
 Walter Conrad Lipps
 Robert George Long
 Enid Dean McCormick
 Anna Elizabeth McDowell
 Janie Loudell McLaney
 Iona Fay Maxwell
 Emma Barber Monroe
 Helen Houser Nye
 Harriet J. Parker
 Marilla Amelia Parker
 Mary Margaret Plane
 Ruth Wanda Price
 Estherbell Pritchard
 Pauline Harriet Purdy
 Jane Reece
 Paul Ulysses Richert
 Pauline A. Roberts
 Fay Marian Roush
 Hazel Belle Sellers
 Cheryl Mildred Short
 Marcia Royce Smart
 Edward Leland Smith
 Harry Arthur Smith
 Helen Janet Sullivan
 Rose Cecilia Tapper
 Katherine Mary Thatcher
 Dorothy Quinlan Waldsmith
 Frank George Wargo
 Earl Ott Wright

MASTER OF ARTS IN EDUCATION

Honor Myers Ault
 Lois Bernadine Barrett
 Dorothy Alice Burge
 Frank Carroll Easton
 Robert Harry Harper
 Dorothy Ann Hassenflue
 Berkley Jenkins
 Pansy Staley Kincaid
 Robert Floyd Neuwirth
 Ruth Webb Seymour
 Clarence Hall Vincent
 R. Florence Wooddell
 David Blough Zook

MASTER OF SCIENCE IN EDUCATION

Clayton Howard Carleton
 Herbert Hodges McCobb

MASTER OF EDUCATION

Marie Washburn Higgins
 James Harvey Tucker
 William Andrew Smith

The following students in The Teachers College were granted certificates during the year 1927-28:

THREE-YEAR ELEMENTARY

Helene Bendell
 Inez Christensen
 Marie Galloway
 Esther Hardy
 Virginia Garn Leigh
 Sara Mae McLaney
 Elizabeth Reining
 Rose Rosenberg
 Anna Simpson
 Myrtle Somerfeldt
 Marie Volk

TWO-YEAR ELEMENTARY

Mrs. Lucile Adamson
 Sara Geraldine Allen
 Betty Barder
 Ethel Barnes
 Violet Blazer
 Frances Bricker
 Sela Page Clement
 Mildred Curry
 Mary Fischer
 Bessie Glew
 Dorothy Hagle
 Katharine E. Heslett
 Thelma Hoffman
 Grace E. Ion
 Nannie Washington Moore
 Bernice Olmsted
 Russell J. Otto
 Grace Miller Putnam
 Juanita Quillen
 Rebecca Rumsey
 Olive Seacrist
 Laura Parrish Trainor
 Grace Neal Worth
 Margaret Yahl
 E. Catherine Yonally

ASSEMBLY SPEAKERS AND ENTERTAINERS

- January 6 _____ Major General Charles Dick, "The Place of the Reserve Officers' Training Corps in our National Program."
- January 13 _____ Representatives of the Tuesday Musical Club in an interpretation of "Aida."
- January 20 _____ Miss Eleanor Schopke—International Institute Program.
- February 3 _____ Mr. Edgar Cockrun, Secretary, the State Chapter, Isaac Walton League, "Conservation."
- February 10 _____ Rev. B. Z. Stambaugh, Church of Our Savior.
- February 17 _____ Dr. William F. Peirce, President of Kenyon College, "The Pan-American Conference."
- February 24 _____ Mr. Robert Guinther, President of the Akron Board of Education.
- March 2 _____ Mr. John A. Van Dis, Y. M. C. A. Secretary of Akron, Ohio.
- March 9 _____ Mayor G. Lloyd Weil, "The Place of the Municipal University in the City's Educational Program."
- March 16 _____ Dr. Jason M. Pierce, Pastor the First Congregational Church of Washington, D. C.
- March 23 _____ Bishop Theodore S. Henderson of the Cincinnati Area of the First Methodist Church.
- March 30 _____ Mr. Edgar C. Raine, Lecturer, Illustrated lecture on Alaska.
- April 13 _____ Sophomore Ashton Contest.
- April 20 _____ President George F. Zook, "The New University Project."
- April 27 _____ Mr. A. T. Kingsbury, "Hawaii."
- June 12 _____ President Frank L. McVey, the University of Kentucky, Commencement address, "Four Men in Books and Life."
- June 21 _____ Mr. Edmund Vance Cooke, "The Laughter of Living."
- June 28 _____ The Chalmers Harp Trio with Soprano soloist.
- July 5 _____ Mr. Harry A. Smith, "The Great Alaskan Dog Race."
- July 12 _____ Dr. Thomas W. Gosling, Superintendent of Akron Schools.
- July 19 _____ Superintendent Charles W. Cookson of Urbana, "Human Engineering."
- July 26 _____ Department of Vocal and Dramatic Expression under the direction of Miss Carita McEbright.
- September 21 _____ President George F. Zook.
- September 28 _____ Rev. J. E. Wolfe, West Congregational Church.
- October 19 _____ Debate by students, "Issues of the Presidential Election."
- October 26 _____ Dr. Frederick B. Robinson, President of the College of the City of New York.
- November 2 _____ Mr. V. R. Jacobs, The Goodyear Zeppelin Corporation.
- November 9 _____ Mr. Edward C. Lindeman, the New York School for Social Workers, "Adult Education."
- November 16 _____ Mr. Jehan Warlicker, an Indian Prince, "India."
- November 23 _____ Professor M. V. O'Shea, the University of Wisconsin, "Modern Mysteries."
- December 7 _____ Miss Hortense Nielson, "The Doll's House."
- December 14 _____ Dr. Y. Minakuchi, Japanese Lecturer.

PRIZES AND HONORS

ASHTON CONTEST PRIZES

Senior Ashton Prize Contest, December 16, 1927. First prize was awarded to Harold Parker; second prize to Clyde E. Ross.

Sophomore Ashton Prize Contest, April 13, 1928. First prize was awarded to Alice Kirkup; second prize to Louis Hampel.

Junior Ashton Prize Contest, June 1, 1928. First prize was awarded to Frederic L. Cole; second prize to Francis J. Amer.

THE SENIOR ALUMNI PRIZE

The Senior Alumni Prize was awarded to Miss Mareta Grace Schiller.

THE TOMLINSON PRIZES

The Tomlinson Essay Prizes were awarded to the following students:

First prize to Irvin S. Corman.

Second prize to John M. Pittenger.

The winners of the Tomlinson Cups were:

THE ELIZABETH A. THOMPSON CUP

The winner of the Cup for 1927-28 was Central High School.

THE JOHN R. BUCHEL CUP

The winner of the Cup for 1927-28 was Central High School.

THE LOOMIS CUP

The first and second Cups donated by Mr. J. P. Loomis are owned by South High School. The third Loomis Cup donated by Mrs. J. P. Loomis was won in 1925-26 by Central High School, in 1926-27 by North High School, in 1927-28 by Garfield High School.

PHI SIGMA ALPHA

The students elected to membership in the Phi Sigma Alpha Fraternity in March, 1928, from the senior and junior classes were, in accordance with the new ruling admitting juniors, effective at mid-year, 1927:

Seniors—Mareta Schiller, Charles Winans, Florence Zepp, Ruth K. McPeake, Esther N. Mosher, Donald G. Bishop, Norma R. Olin, Eugene Wainer, and Weston Hare. Juniors—Henry Reining, Arden Firestone, Mildred Thompson, and Panola Coulter.

SIGMA PI EPSILON

The students elected to membership in Sigma Pi Epsilon from the class of 1928 in the Teachers College were Thelma Lambert, Enid Dean McCormick, Freda Mae Harris, Ethelyn M. Barber, Elizabeth Kaiser.

SIGMA TAU

The students elected to membership in Sigma Tau from the junior class of the Department of Engineering were Philip Bierman, Paul Suloff, Robert Willett, George Clark, Glenn Hite, Albert Oldham, Charles Tinley.

HONORS COURSE STUDENTS IN THE CLASS OF 1928

Donald Gerst Bishop, in Political Science; Thesis, "Contemporary Attacks on Territorial Representation."

Ruth K. McPeake, in History; Thesis, "Principles of English Cabinet Government."

Esther Naomi Mosher, in Latin; Thesis, "The Caste System among the Romans."

Norma Ruth Olin, in Political Science; Thesis, "William E. Borah: Foreign Policies and Political Theories."

Mareta Grace Schiller, in Latin; Thesis, "Position of Roman Women, with particular reference to the Imperial Period."

Florence Elizabeth Zepp, in History; Thesis, "Presidential Leadership as Exemplified by Certain Administrations through the Civil War."

Thelma Lambert, in Education (Latin); Thesis, "Compound Verbs in Latin which take the Dative Case, and the Exceptions."

HONOR GRADUATE IN RESERVE OFFICERS' TRAINING CORPS
UNIT IN 1928

Paul Ulysses Richert.

THE UNIVERSITY OF AKRON ALUMNI ASSOCIATION
1929 DIRECTORY

OFFICERS OF THE GENERAL ASSOCIATION

President.....Oscar Hunsicker, '19 2nd V.-Pres. William H. Knowlton, '21
1st V.-Pres.....Hal G. Knight, '06 Honorary Treas. Dr. Chas. Bulger, '08
Secretary.....Margaret Fanning, '25

EXECUTIVE COMMITTEE

Oscar Hunsicker, '19; William Knowlton, '21; Hal Knight, '06; Dr. Charles Bulger, '08; Margaret Fanning, '25; C. R. Olin, '85; Mrs. Ray Mertz, '17.

ALUMNI BOARD OF TRUSTEES

Term Expires June, 1930	Term Expires June, 1931
Miss Gladys Parshall, '03.	Arden Hardgrove, '11.
Dr. J. M. Ulrich, '13.	Mrs. Ray Mertz, '17.
Joseph Thomas, '15.	Bruce Bierce, '20.
Wallace MacKinnon, '24.	George Weber, '21.

Term Expires June, 1932
J. Clarence Frank, '99.
Miss Marion Voris, '14.
K. Dolbeer Smith, '13.
Rolland Fox, '21.

ASSOCIATION BRANCHES

Chicago—President, H. S. Gorton, ex'88, 860 King Place, Chicago, Ill.
Cleveland—President, S. Emerson Findley, '94, 1362 Hanna Bldg., Cleveland, Ohio.
Michigan—President, W. P. Putnam, '93, 554 Bagley Ave., Detroit, Mich.
Pittsburgh—President, Mrs. John Parsons, '97, 640 Pitcairn Place, Pittsburgh, Pa.
Southern California—Secretary, Helen Buckman, '12, 881 S. Bronson Ave., Los Angeles, Calif.

THE "A" ASSOCIATION

The Varsity "A" Association is the alumni athletic organization at the University. All "A" Association members are also members of the general Alumni Association.

President.....Frank Knowlton, '23 Vice-Pres.....Robert Hagenbaugh, '26
Secretary-Treasurer, Verlin Jenkins, ex'24

THE ALUMNI ASSOCIATION

The Alumni Association is the official organization of alumni to advance the interests of the University through its graduates and former students, all of whom are members of the Association. Only those who have paid their dues are eligible to vote or hold office.

The officers are president, two vice-presidents, treasurer, and secretary. The Association is governed by a Board of Alumni Trustees composed of twelve alumni and the Association Officers elected by general vote. Subject to the approval of the Alumni Trustees, power to act for the Association is vested in an executive committee composed of the General Association officers, the treasurer of the University, and one member of the Alumni Trustees.

The three forms of membership dues in the Alumni Association are as follows:

Annual dues and subscription to the Akron Alumnus \$2.00.

Life Membership Pledge (paid in three installments of \$10 each) \$30.00.

Alumni Loyalty Bond (paid in five annual installments of \$10 each).

The first three installments on these \$50.00 bonds are paid to the Alumni Association in full payment of a life membership in said association and the last two installments are paid to the University of Akron to be applied on an Alumni Loyalty Fund in said University, to be used for capital investment or endowment purposes as the Board of Directors of the University may deem best.

Checks for dues should be made payable to the University of Akron Alumni Association.

The University has graduated 1412 students.

THE ALUMNI OFFICE

The Alumni Office, headquarters of the Alumni Association on the campus, is in charge of the Alumni secretary and is located in Phillips Hall. Here are kept all records of the Association, files, biographical and historical data.

The secretary edits the Akron Alumnus, official publication of the Association, and the Alumni Register; has charge of Homecoming and Migration Days and assists in the celebration of Founder's Day. All alumni events at Commencement, the organization of alumni clubs, and alumni publicity work, are taken care of in the Alumni office.

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