The UNIVERSITY OF AKRON
AKRON, OHIO AUGUST, 1929

GENERAL CATALOG
AND
ANNOUNCEMENTS FOR 1929-1930

PUBLISHED BY
THE UNIVERSITY OF AKRON, AKRON, OHIO
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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 for second semester.
FRIDAY, 9 A. M.-4 P. M.
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 re-entering or transferring from other colleges.

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 Session for second semester.
THURSDAY, FRIDAY AND 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 (Division B).

MAY 10, FRIDAY. Junior Ashton Prize Contest.

MAY 24, FRIDAY. Tree Day.

MAY 30, THURSDAY. Memorial Day—a holiday.


JUNE 16, SUNDAY. Baccalaureate exercises.

JUNE 18, TUESDAY. Commencement.
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.

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).

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.

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.

DECEMBER 13, FRIDAY Senior Ashton Prize Contest.

DECEMBER 21, SATURDAY Christmas vacation begins for all departments.
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.

FEBRUARY 3, 4, 5, 6 AND 7. --- 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.

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. --- 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. Perkin ......................................................... 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
Clyde G. Roetzel ......................................................... Term expires 1934

OFFICERS FOR 1929

John W. Thomas ......................................................... Chairman
B. A. Polsky ............................................................... Vice-Chairman
C. R. Olin ................................................................. Clerk

COMMITTEES FOR 1929

Committee on Finance: Polsky, Perkin, Hamill.
Committee on Investment: Hyde, Judd, Mrs. Averell.
Committee on Buildings and Grounds: Thomas, Litchfield, Roetzel.

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

George F. Zook, Ph. D. .................................................. President of the University
Charles R. Olin, M. S. .................................................. Secretary of the University
Gladys P. Weeks .......................................................... Registrar
Oscar E. Olin, LL. D. ..................................................... Vice-President of the Faculty
Albert I. Spantong, A. M. ............................................ Dean of Buchtel College of Liberal Arts
Fred E. Ayer, C. E. ....................................................... Dean of the College of Engineering and Commerce
Sarah E. Stimmel, A. M. ............................................... Director of the School of Home Economics
W. J. Banks, A. M., Dean of Teachers College and Director of Summer Session
Elizabeth A. Thompson, A. M. ...................................... Dean of Women
Donfred H. Gardner, A. M. ............................................ Dean of Men
Frederick S. Septon, M. Ed. ........................................... Physical Director
Josephine A. Cushman, B. L. S. ...................................... Librarian
Lowell L. Holmes, S. B. ................................................ Director of Evening Session
U. S. Vance, A. B. ........................................................ University Editor
R. H. Schmidt, A. M. ..................................................... University Examiner
Margaret F. Fanning, A. M. .......................................... Acting Alumni Secretary
Howard W. Hottenstein, M. D. ....................................... University Physician
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 Delfa 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 CRECAT, 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 week 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, 1914, 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.)
73 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 Burwyn Street
THE UNIVERSITY OF AKRON

JOHN L. JONES, Ainsworth Professor of Mathematics
Ph. B., Lafayette College; M. A., Yale University, Ph. D., 1911.
49 K aromatic Avenue, Cuyahoga Falls, Ohio

CHARLES M. KNIGHT, Professor Emeritus of Mathematics
A. M., Tufts College; Sc. D., Buchtel College, 1897.

EMERY L. KUSNER, Professor of Education
B. S., Upper Iowa University; Ph. D., New York University, Ph. D., 1915; Graduate work, University of Chicago, 1919.

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.

THOMAS L. McJOYNT, Professor of Co-ordination
LL. B., MacDonald Educational Institute, 1915; B. C. S., University of Cincinnati, 1920.

CHARLES R. OLIN, Secretary of the University
B. S., Buchtel College, M. S., 1909.

OSCAR E. OLIN, Messenger Professor of Philosophy, and Vice-President of the Faculty

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.

AMON B. POLOWMAN, Professor of Biology
B. S., Ohio Wesleyan University; A. M., Harvard University, Ph. D., 1905.

JOSEPH C. ROCKWELL, Professor of Latin and Greek
A. B., Wesleyan University; A. M., Harvard University; Ph. D., Jena University, 1907.

FREDERICK S. SEFTON, Director of Physical Education
B. S., Colgate University; M. Ed., Harvard University, 1925.

HEZLLETON E. SIMMONS, Buchtel Professor of Chemistry
B. S., Buchtel College; M. S., University of Pennsylvania, 1912.

ALBERT I. SPANTON, Pierce Professor of English and Dean of Buchtel College of Liberal Arts
A. B., Buchtel College; A. M., Harvard University, 1905.

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.

ELIZABETH A. THOMPSON, Professor of History, and Dean of Women
A. M., The University of Akron, 1911.

JOHN T. WALTERS, Professor of Electrical Engineering
B. S. in E. E., University of Michigan, 1909.
## GENERAL INFORMATION

### 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.
921 Stadelman Avenue

**HOWARD H. BLAIR,** *Assistant Professor of Physical Education*
B. S., Ohio State University, 1923; A. M., Columbia University, 1927.
1416 Della Avenue

**MAXWELL F. BOGER,** *Assistant Secretary*
A. B., Muskingum College, 1924.
821 Avon Street

**MERL LOUIS BRODIE,** *Assistant Professor of Military Science and Tactics*
283 Greenhut St., Cuyahoga Falls, Ohio

**JOHN W. BOLGER,** *Assistant Professor of Civil Engineering*
B. C. E., Ohio State University, 1918.

**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*
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

*To leave second semester, 1928-29.*
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

Almar H. Rolleston, 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. Slago, 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 1906. 3101 Prospect Avenue, Cleveland, Ohio

Howard M. Doutt, 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, 1922.
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 Delta 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. FOOTS, 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.
1241 Delia 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. FOOTS, 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.
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. FOOTS, 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.
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. FOOTS, 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.
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. FOOTS, 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.
1241 Delia Avenue

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

STEYF KELLY, Instructor in Military Science and Tactics
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

JULIUS 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.**
THE UNIVERSITY OF AKRON

Miss Will H. Lippcomb, 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, 1907; 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 Shakespeare with Robert Mantell, 1925 and 1926. 330 East Market Street

Orvalla J. Maroli, 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 Anadale Avenue

Lester 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. 849 Fried Street

Wilbur D. Pratt, 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

Geneviéve 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. Sadlier, Director of Glee Clubs, Part-time Instructor
1523 East Boulevard, Cleveland, Ohio

Martha Grace Seder, Part-time Instructor in Latin
A. B., The University of Akron, 1928. 457 Alexander Avenue

*Samuel Silverman, 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.
GENERAL INFORMATION

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.
435 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; DeReznik-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
665 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.
FELLOWS IN EDUCATION

Gaynelle L. Hanna, A. B., Mount Union College
160 South College Street

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. F. 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
A. B., The University of Akron, 1925.
1432 Oakwood Avenue

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
Langore 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 Heim, B. E. ................................................ Harris School
H. M. Horsen, 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 Lobber ......................................................... 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.
GENERAL INFORMATION

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 .................................................................... Horwer Trade School
Horace M. Jellison, B. E. .......................................................... Horwer Trade School
Arthur P. Newman .................................................................. Horwer 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
Charles E. Bryant, A. B., Instructor in Education
Rena Nancy Cable, B. E., Instructor in Art
J. C. Chenot, A. M., Instructor in Education
Frank H. Close, Ph. B., Instructor in Education
Charles W. Cookson, A. M., Instructor in Education
Priscilla Dackerman, Instructor in Music
Albert J. Dillehay, B. E., Instructor in Education
Russell H. Erwine, A. M., Instructor in Education
C. A. Flickinger, Instructor in Education
John W. Flood, B. S., Instructor in Education
Eunice A. Gruber, Instructor in Primary Methods
M. M. Proffitt, A. M., Instructor in 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.

CLARA BARKER, Instructor in Elements of Art

RENA NANCY CABLE, Instructor in Art
B. E., The University of Akron, 1928.

J. C. CHENOT, Instructor in Education
A. M.

PRISCILLA DACKERMAN, Instructor in History and Appreciation of Music
Diploma in Music, Ohio Wesleyan and Cornell Universities.

R. H. ERWINE, Instructor in Education
A. M., Assistant Superintendent of Schools.

C. W. HALL, Instructor in Real Estate
M. A., Yale University.

M. E. HAWK, Instructor in Principles of Guidance
M. S., Ohio Northern; M. E., Harvard University.

W. O. HOLLISTER, Instructor in Purchasing
B. S., Connecticut Agricultural College.

CHARLES KING, Instructor in Building and Loan Associations
Massillon, Ohio

NAT LEWERS, Instructor in Advertising

O. J. MARSH, Instructor in Accounting
A. B., Harvard University, 1922.

MARGARET MEANS, Instructor in Social Case Work
B. A., Wellesley College.

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.

ROY SWARTZLANDER, Instructor in Income Tax

LEWIS C. TURNER, Instructor in Business Speaking
A. B., Hiram College.

IRA B. WALTZ, Instructor in Accounting
GENERAL INFORMATION

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, McJont 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, Kuhnies and Heads of Departments in the Liberal Arts College and the College of Engineering and Commerce

PUBLIC SPEAKING
Hayworth, McEbsright, Snyder, King, Goodell

SOCIAL
Thompson, Gregorie, Reed, Gilmour, Kotz, Mitchell, Mrs. Leigh

HOLIDAY OBSERVANCE
Broderick, Delone, 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, McJont

UNIVERSITY ADVERTISING
Simmons, Gardner, Vance

UNIVERSITY PRODUCTIONS
Spanton, Delone, Hayworth, Barnhardt, Gardner, Goodell

LIBRARY
Pease, Cushman, Kraatz, Leigh, Kuhnies, J. Bulger
THE UNIVERSITY OF AKRON

SCHOLARSHIP AND HONORS
Rockwell, Kuhnes, Hawthorn, Jones, Duret, Rollefson

COMMUNITY LECTURES
Holmes, Simmons, Hayes, Walther, Wood, King

UNIVERSITY ASSEMBLY
Hayworth, Ayer, DeLeon, 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 .......................................................... DeLeon
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 un-cataloged; also a considerable number of paper bound serials and pamphlets as yet un-counted. 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 con­
cluding with a mass meeting and entertainment. At the time of regis­
tration 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 re­
quired 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 registra­
tion 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 trans­
script 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:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3 or 4</td>
</tr>
<tr>
<td>History, Social Sciences and Civics (not more than 4 units in all)</td>
<td>½ or 1</td>
</tr>
<tr>
<td>Adv. U. S. History</td>
<td>½ or 1</td>
</tr>
<tr>
<td>English History</td>
<td>½ or 1</td>
</tr>
<tr>
<td>General History</td>
<td>1 unit</td>
</tr>
<tr>
<td>Ancient History</td>
<td>1 unit</td>
</tr>
<tr>
<td>Med. and Mod. History</td>
<td>1 unit</td>
</tr>
<tr>
<td>Civics</td>
<td>½ unit</td>
</tr>
<tr>
<td>Political Economy</td>
<td>½ unit</td>
</tr>
<tr>
<td>Languages, Foreign (not more than 6 units in all)</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>1 to 4</td>
</tr>
<tr>
<td>German</td>
<td>1 to 4</td>
</tr>
<tr>
<td>Greek</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Latin</td>
<td>1 to 4</td>
</tr>
<tr>
<td>Spanish</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Mathematics (2 to 4 units)</td>
<td></td>
</tr>
<tr>
<td>Algebra</td>
<td>1 to 2</td>
</tr>
<tr>
<td>Geometry, Plane</td>
<td>1 unit</td>
</tr>
<tr>
<td>Geometry, Solid</td>
<td>½ unit</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>½ unit</td>
</tr>
<tr>
<td>Science (not more than 4 units in all)</td>
<td></td>
</tr>
<tr>
<td>Botany</td>
<td>½ or 1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1 unit</td>
</tr>
<tr>
<td>General Science</td>
<td>1 unit</td>
</tr>
<tr>
<td>Physics</td>
<td>1 unit</td>
</tr>
<tr>
<td>Physiology</td>
<td>½ or 1</td>
</tr>
<tr>
<td>Zoology</td>
<td>½ or 1</td>
</tr>
<tr>
<td>Vocational Subjects (not more than 3 units in all)</td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td>½ or 1</td>
</tr>
<tr>
<td>Art</td>
<td>1 to 3</td>
</tr>
<tr>
<td>Commercial Subjects</td>
<td>1 to 3</td>
</tr>
<tr>
<td>Domestic Science</td>
<td>1 to 3</td>
</tr>
<tr>
<td>Manual Arts</td>
<td>1 to 3</td>
</tr>
<tr>
<td>Music</td>
<td>1 to 3</td>
</tr>
</tbody>
</table>
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 nonresident 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.
GENERAL INFORMATION

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:

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.

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>First semester (including a student athletic ticket for the entire school year)</td>
<td>$9.00</td>
</tr>
<tr>
<td>Second semester, to students in school the preceding semester</td>
<td>$6.00</td>
</tr>
<tr>
<td>Second semester, to new entrants (including student athletic ticket)</td>
<td>$8.50</td>
</tr>
<tr>
<td>Summer Session (Teachers College)</td>
<td>$2.00</td>
</tr>
</tbody>
</table>

### 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 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: $15.00
- 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: $1.00
- 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
- *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:

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

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.
GENERAL INFORMATION

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

91-100 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. Gregoire, 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.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Theoretical Hours</th>
<th>Practical Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Military Courtesy</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Drill and Command</td>
<td>30</td>
<td>34</td>
</tr>
<tr>
<td>Rifle Marksmanship</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Scouting and Patrolling</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Military Hygiene</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total hours per school year</strong></td>
<td><strong>41</strong></td>
<td><strong>55.96</strong></td>
</tr>
</tbody>
</table>
SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Subject</th>
<th>Theoretical Hours</th>
<th>Practical Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scouting and Patrolling</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>Automatic Rifle</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>Musketry</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>Drill and Command</td>
<td>20</td>
<td>32</td>
</tr>
<tr>
<td>Combat Principles</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Total hours per school year</td>
<td>34</td>
<td>62 96</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Subject</th>
<th>Theoretical Hours</th>
<th>Practical Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Browning Machine Gun</td>
<td>18</td>
<td>24</td>
</tr>
<tr>
<td>37-3½ inch gun and Trench Mortar</td>
<td>8</td>
<td>12</td>
</tr>
<tr>
<td>Combat Principles</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>Drill and Command</td>
<td>18</td>
<td>34</td>
</tr>
<tr>
<td>Military Sketching-Map Reading</td>
<td>10</td>
<td>14</td>
</tr>
<tr>
<td>Total hours per school year</td>
<td>66</td>
<td>94 160</td>
</tr>
</tbody>
</table>

SENIOR YEAR

<table>
<thead>
<tr>
<th>Subject</th>
<th>Theoretical Hours</th>
<th>Practical Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Military History Nat. Defense Act</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>Combat Principles</td>
<td>18</td>
<td>37</td>
</tr>
<tr>
<td>Drill and Command</td>
<td>18</td>
<td>34</td>
</tr>
<tr>
<td>Field Engineering</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Military Law and O. R. Regulations</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>Total hours per school year</td>
<td>78</td>
<td>82 160</td>
</tr>
</tbody>
</table>

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 classroom. 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. Saddler, 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. 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 9½ units must be included:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics (Algebra, ½; Plane Geometry, 1)</td>
<td>2½</td>
</tr>
<tr>
<td>Foreign Language (4 recommended)</td>
<td>2</td>
</tr>
<tr>
<td>U. S. History and Civics</td>
<td>1</td>
</tr>
<tr>
<td>Science (must include laboratory work)</td>
<td>1</td>
</tr>
</tbody>
</table>

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 classroom 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 each semester—required
Physical Training and Military Drill (men) __ 2 credit hours each semester—required
French ___________ 3 or 4 credit hours each semester
Spanish __________ 3 or 4 credit hours each semester
German ___________ 3 or 4 credit hours each semester—one required
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 | 24 hours. |
| XIV. PHYSICS | 30 hours, including freshman requirement. |
| XV. CHEMISTRY | See page 57. |
| XVI. PRE-MEDICAL | See page 56. |

*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

<table>
<thead>
<tr>
<th>Group-Electives</th>
<th>Major</th>
<th>Minor</th>
<th>Total Group-Electives</th>
<th>Laboratory Science</th>
<th>Historical or Political Science</th>
<th>Philosophy or Sociology</th>
<th>Literature or Speech</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latin</td>
<td>32</td>
<td>18</td>
<td>26</td>
<td>8</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>German</td>
<td>24</td>
<td>18</td>
<td>26</td>
<td>8</td>
<td>6</td>
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<tr>
<td>French</td>
<td>24</td>
<td>18</td>
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<td>8</td>
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<tr>
<td>Spanish</td>
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<td>8</td>
<td>6</td>
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<td>6</td>
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<tr>
<td>English</td>
<td>30</td>
<td>18</td>
<td>26</td>
<td>8</td>
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<td>6</td>
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<tr>
<td>History</td>
<td>30</td>
<td>18</td>
<td>26</td>
<td>8</td>
<td>6</td>
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<tr>
<td>Political Science</td>
<td>24</td>
<td>18</td>
<td>26</td>
<td>8</td>
<td>6</td>
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<td>6</td>
</tr>
<tr>
<td>Economics</td>
<td>24</td>
<td>18</td>
<td>26</td>
<td>8</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Sociology</td>
<td>24</td>
<td>18</td>
<td>26</td>
<td>8</td>
<td>6</td>
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<td>6</td>
</tr>
<tr>
<td>Philosophy</td>
<td>24</td>
<td>18</td>
<td>26</td>
<td>8</td>
<td>6</td>
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<td>6</td>
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<tr>
<td>Speech</td>
<td>24</td>
<td>18</td>
<td>26</td>
<td>8</td>
<td>6</td>
<td>6</td>
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<tr>
<td>Mathematics</td>
<td>30</td>
<td>18</td>
<td>32</td>
<td>8</td>
<td>6</td>
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<td>6</td>
</tr>
<tr>
<td>Biology</td>
<td>32</td>
<td>18</td>
<td>32</td>
<td>8</td>
<td>6</td>
<td>6</td>
<td>6</td>
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<tr>
<td>Physics</td>
<td>30</td>
<td>18</td>
<td>32</td>
<td>8</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Chemistry</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Pre-medical</td>
<td>See page 57.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*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
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

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

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**

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
Credit hrs. per semester
General Biology, 1-2... 4
General Inorganic Chemistry, 3-4... 7
German or French... 3 or 4
R. O. T. C. and Physical Training... 2

16 or 17

SOPHOMORE YEAR
Credit hrs. per semester
Quantitative Analysis, 5-6... 4
General Physics, 1-2... 4
German or French... 3
Rhetoric or Mathematics... 3 or 4
R. O. T. C. and Physical Training... 2

16 or 17

JUNIOR YEAR
Credit hrs. per semester
Vertebrate Anatomy and Embryology... 4
Organic Chemistry, 7-8... 3
Light, 3 (First Semester)... 4
Mathematics or Rhetoric, 3 or 4
Group Elective... 3

17 or 18

SENIOR YEAR
Credit hrs. per semester
Biology... 5 or 4
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, SCHARFER 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, 6 hrs.; Physics, 5 hrs.; equivalent of 2 years of German.

CHEMICAL COURSE

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<th>Bachelor Year</th>
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<td>Senior Year</td>
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<td>General Chemistry, 3 and 4</td>
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<td>Quantitative Analysis</td>
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<td>Mathematics</td>
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<td>Modern Language</td>
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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.*
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.

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.

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.

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.

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.
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.

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.

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.

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.

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.
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.

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.

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.

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.

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.

*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.

*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 Shakspere 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.  


**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 Shakspere 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

50. 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.

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.

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.

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 de-
tail and also Cicero’s position in reference to the intuitional and utili-
tarian schools. Prerequisite, 4.

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 six-
teenth 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

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 semes-
ter, 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

   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.

17-18. Ancient History (two credits). DEAN THOMPSON
19-20. History of Central and South America and Canada (two credits).
         DEAN THOMPSON
         DEAN THOMPSON
25-26. Modern History Since the Great War (two credits).
         DEAN THOMPSON

   JOURNALISM   LATIN
   (See ENGLISH) (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.

   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, addi­
   tion 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.

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.


General and special methods of integration, definite integral, partial differentiation, and applications to geometry, mechanics, and physics. Prerequisite, 5.

*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.

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.


This course takes up more advanced methods of studying geometrical facts than were possible in courses 3 and 4. Prerequisite, 5 and 6.

*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.


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.

*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.

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:

<table>
<thead>
<tr>
<th>High School credits</th>
<th>Course entered in college</th>
<th>Credit given</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 unit</td>
<td>Second year</td>
<td>Full credit</td>
</tr>
<tr>
<td></td>
<td>First year</td>
<td>Half credit</td>
</tr>
<tr>
<td>2 units</td>
<td>Second year</td>
<td>Full credit</td>
</tr>
<tr>
<td></td>
<td>First year</td>
<td>No credit</td>
</tr>
<tr>
<td>3 units</td>
<td>Third year</td>
<td>Full credit</td>
</tr>
<tr>
<td></td>
<td>Second year</td>
<td>Half credit</td>
</tr>
<tr>
<td></td>
<td>First year</td>
<td>No credit</td>
</tr>
<tr>
<td>4 units</td>
<td>Third year</td>
<td>Full credit</td>
</tr>
<tr>
<td></td>
<td>Second year</td>
<td>No credit</td>
</tr>
</tbody>
</table>

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 résumé 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 résumés 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.
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.
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. Septon, 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.
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**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>Rhetoric 1</td>
<td>Rhetoric 2</td>
</tr>
<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
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<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Human Biology</td>
<td>Problems of Citizenship</td>
</tr>
<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
</tr>
<tr>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>Mathematics 1</td>
<td>Mathematics 2</td>
</tr>
<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
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<tr>
<td>4</td>
<td>4</td>
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<tr>
<td>Physical and Military Training</td>
<td>Physical and Military Training</td>
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<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
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</table>

**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>Physics 3</td>
<td>Mathematics 4</td>
</tr>
<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Mathematics 3</td>
<td>Mathematics 6</td>
</tr>
<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
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<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 5</td>
<td>German 2</td>
</tr>
<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>German 1</td>
<td>Physical and Military Training</td>
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<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Physical and Military Training</td>
<td>Electives</td>
</tr>
<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
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<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>Electives</td>
</tr>
<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
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<td>2</td>
<td>2</td>
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</table>

**JUNIOR YEAR**

<table>
<thead>
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<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>Physics 5</td>
<td>Physics 6</td>
</tr>
<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry 1</td>
<td>Chemistry 2</td>
</tr>
<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>German 3</td>
<td>German 4</td>
</tr>
<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
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<tr>
<td>3</td>
<td>3</td>
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<tr>
<td>Electives</td>
<td>Electives</td>
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<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
</tr>
<tr>
<td>5 or 6</td>
<td>5 or 6</td>
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</tbody>
</table>
1. **General Introductory Physics: Mechanics.** First semester. Four credits.
   Two lectures and two laboratory-recitation periods per week.
   **Professor Householder and Assistants**

   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**

   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.

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.

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.

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.

53-54. **Sophomore Mechanics.**
Four recitations and four hours of laboratory work per week.

55. **Heat.**
Three recitations and four hours of laboratory work per week.

56. **Wave Motion, Sound and Light.**
Three recitations and four hours of laboratory work per week.

**Political Science**

**Professor Crexcraft, 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 preprofessional 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
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 one 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 one of the intermediate or elementary courses in political science. **Professor Crecraft**

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 one of the elementary or intermediate courses in political science, or a course in commerce. **Professor Crecraft**

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 one of the elementary or intermediate courses in political science, 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 one 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**

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. Pre-requisite, 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
THE UNIVERSITY OF AKRON

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 McEbright

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 McEbright

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 ad-
dition 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 Den-
tistry, the student will receive the degree of Bachelor of Arts or Bache-
lor 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

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
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<tbody>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics (Alg. 1, Pl. Geom. 1)</td>
<td>2</td>
</tr>
<tr>
<td>*Foreign Language</td>
<td>2</td>
</tr>
<tr>
<td>U. S. History and Civics</td>
<td>1</td>
</tr>
<tr>
<td>Science</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>5½</td>
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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

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
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<th>SECOND YEAR</th>
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<tr>
<td></td>
<td>Cr. Hrs.</td>
<td></td>
<td>Second Semester</td>
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<tr>
<td>Biology 1</td>
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<td></td>
<td>Biology 2</td>
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<tr>
<td>Home Economics 1</td>
<td>2</td>
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<td>Home Economics 2</td>
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<tr>
<td>Art 1</td>
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<td>Art 2</td>
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<td>*Modern Language</td>
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<td>*Modern Language</td>
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<td>English 1</td>
<td>3</td>
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<td>English 2</td>
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<td>Physical Training</td>
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<tbody>
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<td>Art 6</td>
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*Modern Language must consist of two years in one language.
THIRD YEAR

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<tr>
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<tr>
<td>Chemistry 7 4</td>
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FOURTH YEAR

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<th>Second Semester Cr. Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Bacteriology or Physics 4</td>
<td>Bacteriology or Physics 4</td>
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<tr>
<td>Home Economics 25 3</td>
<td>Home Economics 26 3</td>
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<tr>
<td>Home Economics 17 3</td>
<td>Home Economics 18 3</td>
</tr>
<tr>
<td>Home Economics 11 2</td>
<td>Public Speaking 3</td>
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<tr>
<td>**Physiology 9 4</td>
<td>**Physiology 10 4</td>
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<td></td>
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<tr>
<td>16</td>
<td>17</td>
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</tbody>
</table>

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.


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

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

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

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

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

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

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 specific requirements for entrance to this college are as follows:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>3 units</td>
</tr>
<tr>
<td>Mathematics (Algebra 1½, Plane Geometry 1)</td>
<td>2½ units</td>
</tr>
<tr>
<td>Solid Geometry</td>
<td>½ unit</td>
</tr>
<tr>
<td>American History and Civics</td>
<td>1 unit</td>
</tr>
<tr>
<td>Science (must include laboratory work)</td>
<td>1 unit</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>2 units</td>
</tr>
<tr>
<td>Electives (not more than 3 units in vocational subjects)</td>
<td>7 units</td>
</tr>
<tr>
<td>Engineering</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>Mathematics (Algebra 1½, Plane Geometry 1)</td>
<td></td>
</tr>
<tr>
<td>Solid Geometry</td>
<td></td>
</tr>
<tr>
<td>American History and Civics</td>
<td></td>
</tr>
<tr>
<td>Science (Physics, Chemistry, or Biology)</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
</tr>
<tr>
<td>Minimum total credits required</td>
<td>15 units</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>Algebra</td>
<td>1 unit</td>
</tr>
<tr>
<td>Geometry</td>
<td>1 unit</td>
</tr>
<tr>
<td>or Foreign Language</td>
<td></td>
</tr>
<tr>
<td>U. S. History and Civics</td>
<td>1 unit</td>
</tr>
<tr>
<td>Science (Physics, Chemistry, or Biology)</td>
<td>1 unit</td>
</tr>
<tr>
<td>Electives</td>
<td>7 or 8 units</td>
</tr>
<tr>
<td>Minimum total credits required</td>
<td>15 units</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th></th>
<th>Resident</th>
<th>Non-Resident</th>
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<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuition</td>
<td>Free</td>
<td>*$ 90.00</td>
</tr>
<tr>
<td>Fees</td>
<td>$49.00</td>
<td>49.00</td>
</tr>
<tr>
<td>Books and Drawing Instruments</td>
<td>40.00</td>
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<tr>
<td><strong>Total</strong></td>
<td>$89.00</td>
<td>$179.00</td>
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</tbody>
</table>

|                      |          |              |
| **SECOND SEMESTER**  |          |              |
| Tuition              | Free     | *$ 90.00     |
| Fees                 | $43.00   | 43.00        |
| Books                | 8.00     | 8.00         |
| **Total**            | $51.00   | $141.00      |

|                      |          |              |
| **SUMMER TERM**      |          |              |
| 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.*
<table>
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<tr>
<th></th>
<th>S</th>
<th>M</th>
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<td><strong>JUL.</strong></td>
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<td><strong>AUG.</strong></td>
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<tr>
<td><strong>OCT.</strong></td>
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</table>

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

<table>
<thead>
<tr>
<th>First Semester</th>
<th>First 9 weeks</th>
<th>Second 9 weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hrs. per week</td>
<td>Hrs. per week</td>
<td></td>
</tr>
<tr>
<td>Military Training</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Physical Training</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Orientation Co-ord. 1-2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Review of Mathematics*</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics 51</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Review of English Composition*</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>English Composition 81</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Physics 51</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Elementary Engineering Drawing 3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Surveying C. E. 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>First or Second 9 weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hrs. per week</td>
<td></td>
</tr>
<tr>
<td>Military Training</td>
<td>2</td>
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<tr>
<td>Physical Training</td>
<td>1</td>
</tr>
<tr>
<td>Mathematics 52</td>
<td>6</td>
</tr>
<tr>
<td>Physics 52</td>
<td>5</td>
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<tr>
<td>Projection Drawing M. E. 4</td>
<td>4</td>
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<tr>
<td>English Composition 82</td>
<td>4</td>
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<tr>
<td>Co-ordination 22</td>
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### SUMMER TERM

<table>
<thead>
<tr>
<th>Hrs. per week</th>
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<tbody>
<tr>
<td>Mathematics</td>
</tr>
<tr>
<td>Surveying C. E. 4</td>
</tr>
<tr>
<td>Inspection Trips, Co-ordination 71</td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
</tr>
<tr>
<td>Military Training</td>
<td>2</td>
</tr>
<tr>
<td>Physical Training</td>
<td>1</td>
</tr>
<tr>
<td>Mathematics 53</td>
<td>5</td>
</tr>
<tr>
<td>Physics 53</td>
<td>6</td>
</tr>
<tr>
<td>Descriptive Geometry M. E. 8</td>
<td>2</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>2</td>
</tr>
<tr>
<td>Engineering Problems Co-ord.</td>
<td>3</td>
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</table>

SUMMER TERM

<table>
<thead>
<tr>
<th>Hrs. per week</th>
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<tbody>
<tr>
<td>16</td>
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<table>
<thead>
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<th>Cr. Hrs.</th>
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<tbody>
<tr>
<td>Structural Drawing C. E. 10</td>
</tr>
<tr>
<td>Mathematics 55</td>
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<td>Inspection Trips, Co-ordination</td>
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</table>

PRE-JUNIOR YEAR

<table>
<thead>
<tr>
<th>Cr. Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Chemistry 55</td>
</tr>
<tr>
<td>Mathematics 56</td>
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<tr>
<td>Physics 55</td>
</tr>
<tr>
<td>Roofs and Bridges C. E. 12</td>
</tr>
<tr>
<td>Engineering Problems, Co-ord.</td>
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</tbody>
</table>

SUMMER TERM

<table>
<thead>
<tr>
<th>Hrs. per week</th>
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<tbody>
<tr>
<td>16</td>
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<table>
<thead>
<tr>
<th>Cr. Hrs.</th>
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<tbody>
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<td>Railroads C. E. 20</td>
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<tr>
<td>Reinforced Concrete C. E. 22</td>
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<tr>
<td>Concrete Laboratory C. E. 24</td>
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<tr>
<td>Inspection Trips, Co-ordination</td>
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</tbody>
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JUNIOR YEAR

<table>
<thead>
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<th>Cr. Hrs.</th>
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<td>Hydraulics M. E. 75</td>
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SUMMER TERM

<table>
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<tr>
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<td>Inspection Trips, Co-ordination</td>
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SENIOR YEAR

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SUMMER TERM

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<td>English Literature 86</td>
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<td>Engineering Problems Co-ord.</td>
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</tbody>
</table>

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.
THE UNIVERSITY OF AKRON

CIVIL ENGINEERING

Professor Durst, Assistant Professor Bulger

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

Classroom 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

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

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.

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.

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

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr. Hrs.</th>
<th>Second Semester</th>
<th>Cr. Hrs.</th>
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<tbody>
<tr>
<td>Military Training</td>
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<td>Power Plants M. E. 21</td>
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<td>Descriptive Geometry M. E. 9</td>
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</table>

SUMMER TERM

| Mathematics 55          |          | Hrs. per week         | 6        |
| Machine Drawing M. E. 14|          |                       |          |
| Mechanical Engineering Laboratory M. E. 24 |        |                       | 10       |
| Inspection Trips, Coordination 72 | 4       |                       |          |

PRE-JUNIOR YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr. Hrs.</th>
<th>Second Semester</th>
<th>Cr. Hrs.</th>
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<td>Engineering Problems, Co-ord. 42</td>
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</tbody>
</table>

SUMMER TERM

| Mathematics 56          | 10       | Hrs. per week         |
| Advanced Electrical Theory E. E. 9 |        |                       |
| Advanced Electrical Laboratory E. E. 10 | 6  |                       |
| Inspection Trips, Coordination 73   | 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

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

<table>
<thead>
<tr>
<th>First Semester</th>
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<th>Second Semester</th>
<th>Cr. Hrs.</th>
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### Summer Term

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<td>Mechanical Engineering Laboratory M. E. 24</td>
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### Pre-Junior Year

#### First Semester

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<td>Chemistry</td>
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<td>Physics</td>
<td>5</td>
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<tr>
<td>Mechanism M. E.</td>
<td>5</td>
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<tr>
<td>Mechanism Drawing M. E. 32</td>
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<tr>
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#### Second Semester

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<td>Chemistry</td>
<td>7</td>
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<td>Strength of Materials C. E. 16</td>
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<td>Materials Laboratory C. E. 18</td>
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### Junior Year

#### First Semester

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<td>D. C. Electricity E. E. 5</td>
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<td>D. C. Laboratory E. E. 7</td>
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#### Second Semester

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<td>Machine Design M. E. 54</td>
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<td>A. C. Laboratory E. E. 8</td>
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### Summer Term

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<tr>
<td>Machine Design M. E. 54</td>
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<td>Inspection Trips, Co-ordination 73</td>
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### Senior Year

#### First Semester

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<tr>
<td>Hydraulics M. E. 75</td>
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<td>Mechanical Engineering Lab. M. E. 62</td>
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<td>Accounting C. 38</td>
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#### Second Semester

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<td>Elective M. E. 88</td>
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<tr>
<td>Gas and Oil Engines M. E. 38</td>
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</tr>
<tr>
<td>Business Organization C. 68</td>
<td>6</td>
</tr>
<tr>
<td>Engineering Problems, Co-ord.</td>
<td>62</td>
</tr>
</tbody>
</table>

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

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

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


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


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


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


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
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.)

<table>
<thead>
<tr>
<th>SOPHOMORE YEAR</th>
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<tbody>
<tr>
<td>First Semester</td>
<td>Cr. Hrs.</td>
<td>Second Semester</td>
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<tr>
<td>Military Training</td>
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SUMMER TERM

- Machine Drawing M. E. 14 .. Hrs. per week 10
- Mathematics 55 .................................................. 6
- Machine Design M. E. 56 .......................................... 4
- Inspection Trip, Co-ordination 72 .................................. 2

PRE-JUNIOR YEAR

<table>
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<tr>
<th>First Semester</th>
<th>Cr. Hrs.</th>
<th>Second Semester</th>
<th>Cr. Hrs.</th>
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<tbody>
<tr>
<td>Chemistry 33</td>
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<td>Physics 55</td>
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<td>Materials Laboratory C. E. 18</td>
<td>4</td>
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<td>Business Administration 68</td>
<td>6</td>
<td>Production Methods (not given in 1928-29)</td>
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SUMMER TERM

WORK

JUNIOR YEAR

<table>
<thead>
<tr>
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<th>Second Semester</th>
<th>Cr. Hrs.</th>
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SUMMER TERM

- Psychology ................................................. 3
- Business Finance 73 ..................................... 3

SENIOR YEAR

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<td>Factory Management C. 65</td>
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<td></td>
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<td>Seminar</td>
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GENERAL COURSES FOR ENGINEERING STUDENTS

BIOLOGY

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, oxygen, 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

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

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.  

**Professors Durst, Griffin, and Walther**

**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.

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.

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.

PHYSICS

PROFESSOR HOUSEHOLDER, ASSISTANT PROFESSOR ROLLEFSON, MR. FOUTS

51-52. FRESHMAN MECHANICS. First and second semesters for cooperative 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
falling 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

<table>
<thead>
<tr>
<th>Course</th>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra</td>
<td>4</td>
<td>Mathematics of Finance</td>
</tr>
<tr>
<td>*Problems in Citizenship or a Modern Foreign Language</td>
<td>3</td>
<td>*Political Science or Foreign Language</td>
</tr>
<tr>
<td>Com. and Ind. Geography</td>
<td>3</td>
<td>Economic History of the U. S.</td>
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<tr>
<td>Military Training</td>
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<td>Military Training</td>
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<td>Physical Education</td>
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<td>Physical Education</td>
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<td>Rhetoric</td>
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### UPPER-COURSE REQUIREMENTS

#### GENERAL

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<tr>
<td>Military Training</td>
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<td>Chemistry</td>
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<td>Physics</td>
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<td>Biology</td>
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<td>Psychology</td>
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<td>Economics</td>
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<tr>
<td>Political Science</td>
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<td>Government and Business</td>
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| Electives in General or Commerce      | 11       |
|                                       |          |
|                                       | **41**   |

#### COMMERCE

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<td>Advertising</td>
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<td>Business Law</td>
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<td>Statistics</td>
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<td>Money and Banking</td>
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<td><strong>43</strong></td>
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</table>

| Electives in Commerce                 | 10       |
|                                       |          |
|                                       | **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.)

<table>
<thead>
<tr>
<th></th>
<th>Freshman Year</th>
<th>Sophomore Year</th>
<th>Junior Year</th>
<th>Senior Year</th>
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**OUTLINE OF SELECTIVE CO-OPERATIVE COURSE**

**FRESHMAN YEAR**  
(See required subjects for Freshman year as given on preceding page.)

<table>
<thead>
<tr>
<th></th>
<th>Freshman Year</th>
<th>Sophomore Year</th>
<th>Junior Year</th>
<th>Senior Year</th>
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<td>Psychology</td>
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**SUMMER TERM**

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<th>Cr. Hrs.</th>
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<td>Pre-Junior Year</td>
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### JUNIOR YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr. Hrs.</th>
<th>Second Semester</th>
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<tr>
<td>Marketing C. 80</td>
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<td>Business Finance C. 73</td>
<td>3</td>
<td>Industrial Studies C. 12</td>
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<td>Business Law C. 40</td>
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**SUMMER TERM**

<table>
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<tr>
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<tbody>
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### SENIOR YEAR

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<tr>
<td>Seminar C. 1</td>
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<td>Business Management C. 63</td>
<td>3</td>
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<td>Industrial Studies C. 13</td>
<td>*</td>
<td>Business and Government 20</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seminar C. 2</td>
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<td></td>
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<td></td>
<td></td>
<td>Electives</td>
<td>6</td>
</tr>
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### COMMERCE

**Professor Leigh, Assistant Professor Holmes, Assistant Professor Rowe, Mr. Battey, Mr. Doutt, Mr. Lewers, Mr. Waltz, Mr. Park, Mr. Bishop, Miss Flint.**


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 classroom 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. BATTLEY

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. BATTLEY

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. BATTLEY

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. BATTLEY
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. **Mr. Battey**

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**

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**

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**

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 cooperation, 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

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.*
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

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

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 Crekraft

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.

This course gives the student an introductory survey of the basic principles, the practical administration, and the foreign relations of the American Government.

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 CREKRAFT
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:

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<tr>
<th>High School credits</th>
<th>Course entered in college</th>
<th>Credit given</th>
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<tbody>
<tr>
<td>1 year</td>
<td>Second year</td>
<td>Full credit</td>
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<tr>
<td>2 years</td>
<td>First year</td>
<td>Half credit</td>
</tr>
<tr>
<td></td>
<td>Second year</td>
<td>Full credit</td>
</tr>
<tr>
<td></td>
<td>First year</td>
<td>No credit</td>
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</table>

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**

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td></td>
<td>First Semester</td>
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<tr>
<td>Rhetoric (English 1)</td>
<td>3</td>
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<td>Rhetoric (English 2)</td>
</tr>
<tr>
<td>Secretarial Duties S. 1</td>
<td>3</td>
<td></td>
<td>Secretarial Duties S. 2</td>
</tr>
<tr>
<td>Problems in Citizenship (Political Science 1)</td>
<td>3</td>
<td></td>
<td>Human Biology</td>
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<td>Physical Training</td>
<td>1</td>
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<tr>
<td>Shorthand S. 21</td>
<td>3</td>
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<tr>
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<td>Accounting C. 30</td>
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<td>3</td>
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**OUTLINE OF FOUR-YEAR DEGREE COURSE**

**GENERAL REQUIREMENTS**

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<td>ACADEMIC</td>
<td>SECRETARIAL SCIENCE</td>
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<tr>
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<td>Cr. Hrs.</td>
<td>Cr. Hrs.</td>
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</tr>
<tr>
<td>English (Rhetoric 6, Literature 6)</td>
<td>12</td>
<td>Secretarial Duties S. 1-2</td>
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<tr>
<td>Laboratory Science (Physics, Chemistry, Biology, or Botany)</td>
<td>8</td>
<td>Business Correspondence S. 5</td>
<td>3</td>
</tr>
<tr>
<td>Human Biology</td>
<td>3</td>
<td>Office Management S. 10</td>
<td>3</td>
</tr>
<tr>
<td>Problems in Citizenship</td>
<td>3</td>
<td>Shorthand</td>
<td>12</td>
</tr>
<tr>
<td>Mathematics (College Algebra)</td>
<td>4</td>
<td>Typewriting</td>
<td>8</td>
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<tr>
<td>Economics</td>
<td>6</td>
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<tr>
<td>History</td>
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<td>Political Science</td>
<td>6</td>
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</tr>
<tr>
<td>Psychology or Sociology</td>
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<tr>
<td>Academic Electives</td>
<td>10</td>
<td></td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>64</td>
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**COMMERCE**

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<tr>
<td>Account C. 30-31</td>
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<td>Business Administration C. 60</td>
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<td>Business Law C. 40-41</td>
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<tr>
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<tr>
<td></td>
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**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.)

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<thead>
<tr>
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<tbody>
<tr>
<td><strong>MEN</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Training</td>
<td>4</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Military Training</td>
<td>4</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>8</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

|                          |                          |                          |                          |
| **WOMEN**                |                          |                          |                          |
| Physical Training       | 2          |                          | 14 |
| Elective                | 14         |                          | 14 |
|                          | 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.

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr. Hrs.</th>
<th>Second Semester</th>
<th>Cr. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Rhetoric (English 1)</td>
<td>3</td>
<td>*Rhetoric (English 2)</td>
<td>3</td>
</tr>
<tr>
<td>*Problems in Citizenship (Political Science 1)</td>
<td>3</td>
<td>*Human Biology</td>
<td>3</td>
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<tr>
<td>*Secretarial Duties S. 1</td>
<td>3</td>
<td>*Secretarial Duties S. 2</td>
<td>3</td>
</tr>
<tr>
<td>*Physical Training</td>
<td>1</td>
<td>*Physical Training</td>
<td>1</td>
</tr>
<tr>
<td>*Military Science (Men)</td>
<td>1</td>
<td>Shorthand S. 22</td>
<td>3</td>
</tr>
<tr>
<td>Shorthand S. 21</td>
<td>3</td>
<td>Typewriting S. 32</td>
<td>2</td>
</tr>
<tr>
<td>Typewriting S. 31</td>
<td>2</td>
<td>Economic Development of United States C. 23</td>
<td>3</td>
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<tr>
<td>Commercial Geography C. 20</td>
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<td>Foreign Language</td>
<td>3 or 4</td>
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<tr>
<td>Foreign Language</td>
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<td>Algebra (Math. 1)</td>
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</tr>
<tr>
<td>Algebra (Math. 1)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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. DOUJT**

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. DOUJT**

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. DOUJT**


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. DOUJT**
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**

11. **Shorthand.** First semester. Three credits.
This course is designed to give beginners in the Gregg system a thorough introduction to shorthand theory. **Miss Flint**

12. **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**

13-24. **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**
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:

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<th>Course</th>
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<tr>
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<td>†Foreign Language</td>
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<td>Science</td>
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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.
KINDERGARTEN-PRIIMARY 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

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<tr>
<th>First Semester</th>
<th>Second Semester</th>
<th>Cr. Hrs.</th>
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<tbody>
<tr>
<td>Rhetoric A1</td>
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<td>Introduction to El. Ed. B</td>
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<td>Speech A</td>
<td>Art 1</td>
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### THIRD YEAR

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<td>Primary Methods 4</td>
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<td>History and Philosophy of Kindergarten</td>
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### FOURTH YEAR

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<td>Literature for Primary Grades 14</td>
<td>Problems of Student Teaching 28</td>
<td>3</td>
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<tr>
<td>Educational Sociology 2</td>
<td>Principles of Elementary Education 9</td>
<td>3</td>
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<tr>
<td>General Methods, Observation and Participation 25</td>
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<td>4</td>
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</table>
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.

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*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 11.
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.

<table>
<thead>
<tr>
<th>Year</th>
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<th>Second Semester</th>
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<td>Story Telling 12</td>
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<td>Art 1</td>
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<tr>
<td></td>
<td>Still Life 9</td>
<td>2</td>
<td>Still Life 10</td>
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<tr>
<td></td>
<td>How to Study</td>
<td>1</td>
<td>Art 8</td>
<td>3</td>
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<td>History of Education in U. S.</td>
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<td>General Psychology 1</td>
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</table>

| SECOND YEAR | English A | 3 | English A | 3 |
| | Commercial Art 14 | 3 | Home and School Crafts 3 | 3 |
| | Clay Modeling 18 | 2 | Home Planning 22 | 2 |
| | Costume Design 5 | 2 | Free Sketch 29 | 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 2 | 1 |
| | Kindergarten-Primary Art 16 | 2 | Commercial Art 15 | 3 |
| | Classical Mythology 7 | 3 | | |
| | | 19 | | 18 |

| THIRD YEAR | Biology or Botany A | 4 | Biology or Botany A | 4 |
| | Home and School Crafts 4 | 3 | Home and School Crafts 3 | 3 |
| | History of Art 20 | 2 | History of Art 21 | 2 |
| | Illustration 12 | 2 | Illustration 13 | 2 |
| | Stage Costume | 2 | Stage Costume | 2 |
| | Stage Decorations | 3 | Stage Decorations | 3 |
| | | 15 | | 17 |

| FOURTH YEAR | English A | 3 | Student Teaching 24 | 12 |
| | Child Psychology 4 | 2 | Problems of Student Teaching | 4 |
| | Psychology of Adolescence 12 | 2 | | |
| | General Methods, Observation and Participation 25 | 4 | | |
| | Methods in Art 24 | 2 | | |
| | Electives | 3 | | |
| | | 16 | | 16 |
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

<table>
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<td>Free Sketch 19</td>
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<td>Still Life 10</td>
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<td>Costume Design 6</td>
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<td>Pose 11</td>
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<td>Home Planning 22</td>
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<td>Technique of Mediums 8</td>
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<td>Commercial Art 14</td>
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MINOR—18 SEMESTER HOURS

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COURSE FOR MUSIC SUPERVISORS AND SPECIAL TEACHERS

FIRST YEAR

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<tr>
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<tr>
<td>Folk Games 11</td>
<td>Folk Games 12</td>
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<tr>
<td>How to Study 1</td>
<td>Harmony 2</td>
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<tr>
<td>Elementary Theory and Harmony 2</td>
<td>Sight Singing and Ear Training 3</td>
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SECOND YEAR

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<td>Play and Games 10 1</td>
</tr>
<tr>
<td>Sight Singing and Ear Training 3 2</td>
<td>Sight Singing and Ear Training 3 2</td>
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<tr>
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<td>Piano 2</td>
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<tr>
<td>Voice 2</td>
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THE UNIVERSITY OF AKRON

THIRD YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr. Hrs.</th>
<th>Second Semester</th>
<th>Cr. Hrs.</th>
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<tbody>
<tr>
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<td>3</td>
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<td>3</td>
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<td>3</td>
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<td>European History A8</td>
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<td>Conducting 12</td>
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FOURTH YEAR

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<th>Cr. Hrs.</th>
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<td>Student Teaching 24</td>
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<td>Organization in Public School Music 37</td>
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<td>Form and Analysis 10</td>
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<tr>
<td>Brass and Wood Instruments 11</td>
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<tr>
<td>General Methods, Observation and Participation 25</td>
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<td>English A</td>
<td>3</td>
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</table>

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

<table>
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<tr>
<td>History and Appreciation</td>
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<tr>
<td>Special Methods and Practice Teaching</td>
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<tr>
<td>Ensemble (Glee Club, Orchestra, Chorus and Band) and Applied Music</td>
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MINOR—18 SEMESTER HOURS

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<tr>
<td>History and Appreciation</td>
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<tr>
<td>Methods including Observation</td>
</tr>
<tr>
<td>Ensemble (Glee Club, Chorus, Orchestra and Band) and Applied Music</td>
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<tr>
<td>Total</td>
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THE TEACHERS COLLEGE

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**

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<thead>
<tr>
<th>First Semester</th>
<th>Cr. Hrs.</th>
<th>Second Semester</th>
<th>Cr. Hrs.</th>
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<tbody>
<tr>
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<td>4</td>
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<td>Rhetoric 2</td>
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<td>Textiles 1</td>
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<td>2</td>
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<td>Child Hygiene 25</td>
<td>3</td>
<td>Art 1</td>
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**SECOND YEAR**

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<td>Foods 15</td>
<td>4</td>
<td>Foods 16</td>
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<td>2</td>
<td>History of Costume</td>
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<td>History of Education in U. S.</td>
<td>3</td>
<td>Social Science</td>
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<td>Social Science</td>
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<td>Millinery 10</td>
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**THIRD YEAR**

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<td>Bacteriology 19</td>
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<td>Nutrition 19</td>
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<td>Dress 5</td>
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<td>Table and Meal Service 7</td>
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<td>House 17</td>
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<td>House 18</td>
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**FOURTH YEAR**

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<tbody>
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<td>Student Teaching 24</td>
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<td>Art 6</td>
<td>2</td>
<td>Problems of Student Teaching 26</td>
<td>4</td>
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<tr>
<td>General Methods, Observation and Participation 25</td>
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<td>Special Methods</td>
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</table>
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

<table>
<thead>
<tr>
<th>First Semester Cr. Hrs.</th>
<th>Second Semester Cr. Hrs.</th>
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<tbody>
<tr>
<td>Rhetoric A1 3</td>
<td>Rhetoric A2 3</td>
</tr>
<tr>
<td>Physical Education 1 1</td>
<td>Physical Education 2 1</td>
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<tr>
<td>Physical Education Theory 1 1</td>
<td>Physical Education Theory 2 1</td>
</tr>
<tr>
<td>Secretarial Duties S1 3</td>
<td>Secretarial Duties S2 3</td>
</tr>
<tr>
<td>Problems of Citizenship (Political Science) A1 3</td>
<td>American Government (Political Science) A2 3</td>
</tr>
<tr>
<td>shorthand S2 3</td>
<td>shorthand S3 3</td>
</tr>
<tr>
<td>Typewriting S3 2</td>
<td>Economic Development of the U. S. C3 3</td>
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<tr>
<td>How to Study 1 1</td>
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<thead>
<tr>
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<tbody>
<tr>
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<td>Laboratory Science (Physics, Chemistry, Biology, or Botany) 4</td>
</tr>
<tr>
<td>Types of Literature (English 25) 3</td>
<td>Types of Literature (English 26) 3</td>
</tr>
<tr>
<td>Physical Education 3 1</td>
<td>Physical Education 4 1</td>
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<td>Physical Education Theory 3 1</td>
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<tr>
<td>History of Education in U. S. 3 3</td>
<td>Human Biology 3</td>
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<tr>
<td>shorthand S3 3</td>
<td>shorthand S4 3</td>
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<tr>
<td>Typewriting S3 2</td>
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<td>How to Study 1 1</td>
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### SECOND YEAR

<table>
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<th>Second Semester Cr. Hrs.</th>
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</thead>
<tbody>
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<td>Educational Psychology 2 3</td>
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<tr>
<td>Business Law C4 2</td>
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<td>School Law 2 2</td>
<td>Principles of Education 9 3</td>
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<tr>
<td>Business Correspondence S3 3</td>
<td>Office Management S10 3</td>
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<tr>
<td>Economics 3 3</td>
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<td>Accounting C3 3</td>
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### THIRD YEAR

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<tr>
<th>First Semester Cr. Hrs.</th>
<th>Second Semester Cr. Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Psychology of Adolescence 10 2</td>
<td>Student Teaching 24 12</td>
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<tr>
<td>General Methods, Observation and Participation 25 4</td>
<td>Problems of Student Teaching 26 4</td>
</tr>
<tr>
<td>Technical or Academic Electives 10</td>
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<td>16</td>
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</table>
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**

<table>
<thead>
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<th>Subject</th>
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<tr>
<td>Economics</td>
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<tr>
<td>History</td>
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<tr>
<td>Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>First Aid</td>
<td>2</td>
</tr>
<tr>
<td>R. O. T. C.</td>
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<tr>
<td>Personal Hygiene</td>
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<tr>
<td>Industrial Relations</td>
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<td>Major</td>
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<td>Industrial Drawing</td>
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<tr>
<td>Observation and Student Teaching</td>
<td>2</td>
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<tr>
<td>Educational and Vocational Guidance</td>
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<td>Phil. of the General Continuation School</td>
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</tr>
<tr>
<td>Organization and Administration of Vocational Education</td>
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<tr>
<td>History and Phil. of Vocational Education</td>
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<td>Occupational Analysis</td>
<td>2</td>
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<td>Organization of Instructional Material</td>
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<td>Free Hand Drawing</td>
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<td>Tests and Measurements</td>
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<td>General Psychology</td>
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<td>Methods of Teaching Vocational Subjects</td>
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<td>Shop Management</td>
<td>2</td>
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<tr>
<td>Electives—Academic</td>
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</tbody>
</table>

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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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Cr. Hrs.</th>
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<td>First Aid and Massage 16</td>
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<td>Folk Games 11</td>
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<td>Play and Games 9</td>
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### SECOND YEAR

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### THIRD YEAR

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<td>Organization and Administration of</td>
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<td>Physical Education 2</td>
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<tr>
<td></td>
<td>Physical Education Practice 1</td>
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<td></td>
<td>Personal Hygiene</td>
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<td>School Health 25</td>
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<td></td>
<td>Corrective Exercise</td>
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<td>Principles of Coaching</td>
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<td>Organization and Administration of</td>
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<td>Physical Education 2</td>
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<td></td>
<td>Swimming 1</td>
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### FOURTH YEAR

<table>
<thead>
<tr>
<th>Semester</th>
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<tbody>
<tr>
<td>First Semester</td>
<td>Physiology of Exercise</td>
<td>2</td>
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<tr>
<td></td>
<td>Educational Sociology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Psychology of Adoles.</td>
<td>2</td>
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<tr>
<td></td>
<td>General Methods, Observation and</td>
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<td></td>
<td>Participation</td>
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<tr>
<td></td>
<td>Electives</td>
<td>6</td>
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<tr>
<td></td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>Second Semester</td>
<td>Student Teaching</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Problems of Student Teaching</td>
<td>4</td>
</tr>
</tbody>
</table>

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.
THE TEACHERS COLLEGE

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

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr. Hrs.</th>
<th>Second Semester</th>
<th>Cr. Hrs.</th>
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<tbody>
<tr>
<td>Rhetoric A1</td>
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<td>Rhetoric A2</td>
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<tr>
<td>Political Science A1</td>
<td>3</td>
<td>Political Science A2</td>
<td>3</td>
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<tr>
<td>General Psychology 1</td>
<td>3</td>
<td>History of Education in U. S. 3</td>
<td>3</td>
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<tr>
<td>Physical Education 1</td>
<td>3</td>
<td>Physical Education 2</td>
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<td>Physical Education Theory 1</td>
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<td>Electives</td>
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<tr>
<td>How to Study</td>
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<td>How to Study</td>
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<tr>
<td>Introduction to Sec. Education</td>
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<td>Electives</td>
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SECOND YEAR

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<td>English A</td>
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<td>Physical Education Theory</td>
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<tr>
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<td>Physical Education Theory</td>
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<tr>
<td>Experimental Psychology 8</td>
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<td>Experimental Psychology 9</td>
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THIRD YEAR

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<th>Second Semester</th>
<th>Cr. Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Psychology of Adolescence</td>
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<td>Psychology of H. S. Subjects</td>
<td>2</td>
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<tr>
<td>Sociology A</td>
<td>3</td>
<td>Experimental Psychology 11</td>
<td>1</td>
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<tr>
<td>Experimental Psychology 10</td>
<td>1</td>
<td>Methods of High School Subjects</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>8</td>
<td>Principles of Sec. Education</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>16</td>
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FOURTH YEAR

<table>
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<th>Cr. Hrs.</th>
<th>Second Semester</th>
<th>Cr. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tests and Measures for Secondary Schools 103</td>
<td>2</td>
<td>Student Teaching 24</td>
<td>12</td>
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<tr>
<td>Educational Sociology 2</td>
<td>3</td>
<td>Problems of Student Teaching 28</td>
<td>4</td>
</tr>
<tr>
<td>General Methods, Observation and Participation</td>
<td>4</td>
<td>General Methods, Observation and Participation</td>
<td>4</td>
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<td>Secondary School Administration 109</td>
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<td>Secondary School Administration 109</td>
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<td>Electives</td>
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</tr>
<tr>
<td></td>
<td>16</td>
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<td>16</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Department</th>
<th>Numbering</th>
</tr>
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<tbody>
<tr>
<td>Art</td>
<td>1-25</td>
</tr>
<tr>
<td>Education</td>
<td>1-14</td>
</tr>
<tr>
<td>Educational Psychology</td>
<td>1-14</td>
</tr>
<tr>
<td>Elementary Training</td>
<td>1-27</td>
</tr>
<tr>
<td>Industrial Arts and Vocational Education</td>
<td>1-32</td>
</tr>
<tr>
<td>Kindergarten-Primary Training</td>
<td>1-24</td>
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<tr>
<td>Music</td>
<td>1-38</td>
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<td>Physical Education</td>
<td>1-32</td>
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<td>Psychology</td>
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GRADUATE COURSES

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<tr>
<td>Education</td>
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<tr>
<td>Educational Psychology</td>
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<tr>
<td>Psychology</td>
<td>102-113</td>
</tr>
<tr>
<td>Research</td>
<td>101-105</td>
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</tbody>
</table>

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.

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.

18. **Clay Modeling.** First semester. Two credits.

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.
THE TEACHERS COLLEGE

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.

The history of European and American painting, sculpture and architecture from the Renaissance to the present time.

EDUCATION

DEAN BANKES, PROFESSOR KUNHES, 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
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. **PROFESSOR KUHNES**

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.**

**GRADUATE COURSES**
Open to seniors and graduate students.

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.

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 Kuhnke, 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

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 feeblemindedness. Prerequisite, Psychology 1. Professor Hayes

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

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

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

The data and principles derived from a study of social relationships are applied in educational problems. Mr. Snyder
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

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

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

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

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

   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

   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

   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

   A study of natural environment in relation to life.

   Natural resources and climatic features as they influence life forms, industries, cities and chief historic events in North and South America.
A study of the different nations with special emphasis on the influence of geographic conditions affecting the life and industries of the people.

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

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.

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

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. Ellison, 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.

Working knowledge of fundamental tool processes. Sheet metal projects are developed. Nine hours per week.

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

A course in printing given in the school print shop. Nine hours per week.
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

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

Sources of course content; principles governing modern curriculum construction; effective arrangement of teaching content; application of governing principles. MR. GREENLY

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

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
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.

11. **Story Telling.** First semester. Three credits. Values of story-telling; story interests of young children; classification; selection; preparation; telling stories; returns from children.

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.

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.

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.

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.

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.

5. **Primary Methods.** Second semester. Three credits. The teaching of arithmetic; reading; phonics; spelling; handwriting. Two hours of observation.
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 Klemmer

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 Klemmer

Students will teach in the Akron Kindergartens under normal conditions as they exist in the city.

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. DeLeone
THE TEACHERS COLLEGE

MEN'S GLEE CLUB. Both semesters. One credit each semester.  

WOMEN'S GLEE CLUB. Both semesters. One credit each semester.  

ORCHESTRA. Both semesters. One credit each semester.  

BAND. Both semesters. One credit each semester for students not in R. O. T. C.  

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 Basses. 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.

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**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 Leon

**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 Pischke—Hanon; Loeschorn Op. 66; Czerny Op. 299, Selected; Heller 50 Selected Studies; Bach-Reinecke
12 little preludes; Clementi and Kuhlaw 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; Pischehn; 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.
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 maj. 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 SEPTON, 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 nomen­
clature for work; part of period devoted to gymnastics and seasonal
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, gym­
nastics 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 sopho­
more.

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 organi­
zation; 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 cus­
toms of various countries and theories of rhythmical games. Emphasis
is placed on singing games and games of dramatization of simple rhythm­
ical 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, hydrotherapy, 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


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 DUNKLEY

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 lifesaving, 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**

Lectures on theory and technique of baseball, track and field athletics. For men only.

    **PROFESSOR SEFTON, ASSISTANT PROFESSOR BLAIR, MR. SMITH**

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 divergence. 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**
THE TEACHERS COLLEGE

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; beauti-
fying; 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.  

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. 

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 experimenta 
tion; 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. Prere 
quisite, 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

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</tr>
<tr>
<td><strong>1930 Days</strong></td>
<td><strong>Month</strong></td>
<td><strong>Week</strong></td>
</tr>
<tr>
<td><strong>Sept.</strong></td>
<td>16</td>
<td>17</td>
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<tr>
<td><strong>Oct.</strong></td>
<td>30</td>
<td>31</td>
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<tr>
<td><strong>Nov.</strong></td>
<td>29</td>
<td>30</td>
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<tr>
<td><strong>Dec.</strong></td>
<td>28</td>
<td>29</td>
</tr>
</tbody>
</table>

REGISTRATION

<table>
<thead>
<tr>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Semester</td>
<td>Sept. 26</td>
<td>Sept. 27</td>
</tr>
<tr>
<td>Second Semester</td>
<td>Feb. 6</td>
<td>Feb. 7</td>
</tr>
</tbody>
</table>

*First Semester — Sept. 26 to Sept. 28
*Second Semester — Feb. 6 to 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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excellent</td>
<td>93-100</td>
</tr>
<tr>
<td>A</td>
<td>85-92</td>
</tr>
<tr>
<td>B</td>
<td>77-84</td>
</tr>
<tr>
<td>C</td>
<td>70-76</td>
</tr>
<tr>
<td>D</td>
<td>Below 70</td>
</tr>
<tr>
<td>E</td>
<td>Conditioned</td>
</tr>
<tr>
<td>F</td>
<td>Failed</td>
</tr>
</tbody>
</table>

"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, 50¢ 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.
THE EVENING SESSION

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Subject</th>
<th>Hours</th>
<th>Days</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>1-2 Economic Zoology, 63e-64e</td>
<td>2</td>
<td>W.</td>
<td>5:50-7:50</td>
<td>O 26</td>
</tr>
<tr>
<td>1-2 General Botany, 67e-68e</td>
<td>2</td>
<td>M.</td>
<td>5:19-7:50</td>
<td>O 25</td>
</tr>
<tr>
<td>1-2 General Geology, 69e-70e</td>
<td>2</td>
<td>W.</td>
<td>5:50-7:50</td>
<td>O 25</td>
</tr>
<tr>
<td>1-2 Man and Microbe, 71e-72e</td>
<td>2</td>
<td>T.</td>
<td>5:50-7:50</td>
<td>O 25</td>
</tr>
<tr>
<td>1-2 Human Biology (MEN), A13e-14e</td>
<td>2</td>
<td>Th.</td>
<td>5:50-7:50</td>
<td>O 25</td>
</tr>
</tbody>
</table>

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. | 8:30-9:30 | K 22 |
1 Corp., Org. and Finance, A33 | 3 | M.-W. | 6:20-7:50 | B 26 |
2 Investments | 3 | M.-W. | 6:30-7:30 | B 26 |

ENGLISH

1-2 Corrective English, 1e | 3 | T.-Th. | 8:00-9:30 | E 32 |
1-2 Rhetoric, A2e | 3 | T.-Th. | 8:00-9:30 | B 38 |
1 Short Story Writing, A5e | 3 | M.-W. | 6:20-7:50 | B 38 |
1-2 Dramatic Dev., in Fiction | 3 | M.-W. | 6:20-7:50 | B 38 |
1-2 Introduction to Literature, A25e-26e | 3 | T.-Th. | 8:30-9:30 | B 25 |
1 News Writing and Editing, 5e | 3 | W. | 5:50-7:30 | B 22 |
2 Contemporary Journalism | 3 | W. | 5:50-7:30 | 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 27 |

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 |
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 |
2 Integral Calculus, A5e | 3 | T.-Th. | 6:20-7:50 | B 13 |
2 Business Mathematics, C38 | 3 | M.-W. | 8:00-9:30 | B 13 |

PHYSICS

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. | 8:50-9:30 | B 15 |
1-2 Beginning German, A1e-2e | 4 | M.-Th. | 5:50-7:50 | B 11 |
1-2 Second Year German, A3e-4e | 3 | M.-Th. | 8:50-9:30 | B 22 |
1-2 Beginning Spanish, A5e-6e | 4 | M.-Th. | 5:50-7:50 | B 11 |
1-2 Second Year Spanish, A7e-8e | 3 | M.-Th. | 8:50-9:30 | B 11 |

*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; c designates Evening Session.
<table>
<thead>
<tr>
<th>Semester</th>
<th>Subject</th>
<th>Cr.</th>
<th>Hours</th>
<th>Days</th>
<th>Hours</th>
<th>Room</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>POLITICAL SCIENCE</td>
<td>3</td>
<td>T.-Th.</td>
<td>3</td>
<td>6:20-7:50</td>
<td>B 38</td>
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<tr>
<td>2</td>
<td>MUNICIPAL GOVERNMENT, 4e</td>
<td>3</td>
<td>M.-W.</td>
<td>3</td>
<td>6:20-7:50</td>
<td>B 38</td>
</tr>
<tr>
<td>3</td>
<td>GOV. AND SOCIAL WARE, 13e</td>
<td>3</td>
<td>M.-W.</td>
<td>3</td>
<td>6:20-7:50</td>
<td>B 38</td>
</tr>
<tr>
<td>1</td>
<td>SOCIETY</td>
<td>3</td>
<td>M.-W.</td>
<td>3</td>
<td>6:20-7:50</td>
<td>B 37</td>
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<tr>
<td>2</td>
<td>SOCIOLOGY</td>
<td>3</td>
<td>M.-W.</td>
<td>3</td>
<td>6:20-7:50</td>
<td>B 37</td>
</tr>
<tr>
<td>1</td>
<td>POLITICAL SCIENCE</td>
<td>3</td>
<td>M.-W.</td>
<td>3</td>
<td>6:20-7:50</td>
<td>B 37</td>
</tr>
<tr>
<td>2</td>
<td>POLITICAL SCIENCE</td>
<td>3</td>
<td>M.-W.</td>
<td>3</td>
<td>6:20-7:50</td>
<td>B 37</td>
</tr>
<tr>
<td>1</td>
<td>FAMILY CASE WORK, 11e-12e</td>
<td>2</td>
<td>T.</td>
<td>2</td>
<td>4:00-6:00</td>
<td>B 37</td>
</tr>
<tr>
<td>2</td>
<td>FAMILY CASE WORK, 11e-12e</td>
<td>2</td>
<td>T.</td>
<td>2</td>
<td>4:00-6:00</td>
<td>B 37</td>
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<tr>
<td>1</td>
<td>ADVANCED URBAN SOCIETY (O)</td>
<td>2</td>
<td>Th.</td>
<td>2</td>
<td>4:00-6:00</td>
<td>B 25</td>
</tr>
<tr>
<td>2</td>
<td>SOCIAL PHILOSOPHIES (G)</td>
<td>2</td>
<td>Th.</td>
<td>2</td>
<td>4:00-6:00</td>
<td>B 25</td>
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<tr>
<td>1</td>
<td>SPEECH</td>
<td>3</td>
<td>M.-W.</td>
<td>3</td>
<td>8:00-9:30</td>
<td>B 12</td>
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<tr>
<td>2</td>
<td>SPEECH</td>
<td>3</td>
<td>M.-W.</td>
<td>3</td>
<td>8:00-9:30</td>
<td>B 12</td>
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<tr>
<td>1</td>
<td>DRAMATIC PRODUCTION, A27e-28e</td>
<td>3</td>
<td>M.-W.</td>
<td>3</td>
<td>8:00-9:30</td>
<td>B 12</td>
</tr>
<tr>
<td>2</td>
<td>DRAMATIC PRODUCTION, A27e-28e</td>
<td>3</td>
<td>M.-W.</td>
<td>3</td>
<td>8:00-9:30</td>
<td>B 12</td>
</tr>
<tr>
<td>1</td>
<td>INTERPRETATIVE READING, A31e-32e</td>
<td>2</td>
<td>T.-Th.</td>
<td>2</td>
<td>4:00-6:00</td>
<td>B 12</td>
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<tr>
<td>2</td>
<td>INTERPRETATIVE READING, A31e-32e</td>
<td>2</td>
<td>T.-Th.</td>
<td>2</td>
<td>4:00-6:00</td>
<td>B 12</td>
</tr>
<tr>
<td>1</td>
<td>PHYSICAL EDUCATION</td>
<td>2</td>
<td>M.</td>
<td>2</td>
<td>7:00-9:00</td>
<td>Gymn.</td>
</tr>
<tr>
<td>2</td>
<td>PHYSICAL EDUCATION</td>
<td>2</td>
<td>W.</td>
<td>2</td>
<td>7:00-9:00</td>
<td>Gymn.</td>
</tr>
</tbody>
</table>

**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 topography of the United States, and of the Akron region. No prerequisites. W., 5:50-7:50.
**THE EVENING SESSION**

**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.
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.

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:

REQUISITE 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
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 descrip-
tion, 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 Eng-
lish. 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.

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

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

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

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.
THE EVENING SESSION

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.

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.

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.
THE EVENING SESSION

PHYSICS

Professor Householder, Assistant Professor Rolleston, Mr. Fouts

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.
Comprehensive 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 Creckart, Assistant Professor Sherman

An introductory course including basic social, economic, and political problems of American social and civic life. T., Th., 6:20-7:50.

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.

SOCIOMETRY
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.
CURTIS SCHOOL OF HOME ECONOMICS

ELIZE M. MAXWELL, Director; MISS ELIZABETH LAUNER, MISS McMILLAN

SCHEDULE OF CLASSES

All classes in Home Economics will be held in Curtis Cottage.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Subject</th>
<th>Credits</th>
<th>Days</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1·2</td>
<td>Clothing</td>
<td>2</td>
<td>Th.</td>
<td>7:00-9:00</td>
</tr>
<tr>
<td>1·2</td>
<td>Foods I-2</td>
<td>2</td>
<td>M.</td>
<td>7:00-9:00</td>
</tr>
<tr>
<td>1·2</td>
<td>Foods 3-4</td>
<td>2</td>
<td>T.</td>
<td>7:00-9:00</td>
</tr>
<tr>
<td>1·2</td>
<td>Millinery</td>
<td>2</td>
<td>W.</td>
<td>7:00-9:00</td>
</tr>
<tr>
<td>1</td>
<td>Recent Dev. in Home Economics</td>
<td>2</td>
<td>M.</td>
<td>6:00-8:00</td>
</tr>
<tr>
<td>2</td>
<td>Home Managers' Buying Problems</td>
<td>2</td>
<td>M.</td>
<td>6:00-8:00</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Subject</th>
<th>Cr. Hours</th>
<th>Days</th>
<th>Hours Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-2</td>
<td>Engineering Drawing, ME1e-2e</td>
<td>(3)</td>
<td>M-Th</td>
<td>8:00-9:30 E 41</td>
</tr>
<tr>
<td>1-2</td>
<td>Machine Drawing, M13e-14e</td>
<td>(3)</td>
<td>M-Th</td>
<td>6:20-7:50 E 41</td>
</tr>
<tr>
<td>1-2</td>
<td>Practical Mathematics, M1e-2e</td>
<td>(3)</td>
<td>M-Th</td>
<td>8:00-9:30 E 41</td>
</tr>
<tr>
<td>1-2</td>
<td>Practical Mechanics, M3e-4e</td>
<td>(3)</td>
<td>M-Th</td>
<td>6:20-7:50 E 42</td>
</tr>
<tr>
<td>1-2</td>
<td>Industrial Electricity, 31e-32e</td>
<td>(3)</td>
<td>M-Th</td>
<td>6:20-7:50 E 10</td>
</tr>
<tr>
<td>1-2</td>
<td>Industrial Electricity, 33e-34e</td>
<td>(3)</td>
<td>M-Th</td>
<td>8:00-9:30 E 10</td>
</tr>
<tr>
<td>1-2</td>
<td>Electrical Laboratory, 35e-36e</td>
<td>(3)</td>
<td>W</td>
<td>6:20-7:50 E 10</td>
</tr>
<tr>
<td>1-2</td>
<td>Surveying, Mule-2e</td>
<td>(3)</td>
<td>M</td>
<td>7:00-9:30 E 15</td>
</tr>
<tr>
<td>1-2</td>
<td>Strength of Materials, Mule-6e</td>
<td>(2)</td>
<td>M</td>
<td>8:00-9:30 E 15</td>
</tr>
<tr>
<td>1-2</td>
<td>Municipal Engineering, Mu13e-14e</td>
<td>(2)</td>
<td>W, T-Th</td>
<td>6:30-8:30 E 15</td>
</tr>
<tr>
<td>1-2</td>
<td>Steam Hoppers, M18e</td>
<td>(2)</td>
<td>M</td>
<td>6:30-8:30 E 12</td>
</tr>
<tr>
<td>1-2</td>
<td>Gas and Oil Engines, M20e</td>
<td>(2)</td>
<td>W</td>
<td>6:30-8:30 E 12</td>
</tr>
<tr>
<td>1-2</td>
<td>Radio Communication, 71e-72e</td>
<td>(3)</td>
<td>M</td>
<td>6:30-9:30 E 10</td>
</tr>
<tr>
<td>1-2</td>
<td>Steam Engines and Turbines, M9e</td>
<td>(3)</td>
<td>M</td>
<td>6:30-9:30 E 12</td>
</tr>
<tr>
<td>1-2</td>
<td>Concrete Lab. and Reinforced Concrete, Mule-12e</td>
<td>(2)</td>
<td>Th</td>
<td>6:30-8:30 E 15</td>
</tr>
<tr>
<td>2</td>
<td>Machine Design</td>
<td>(2)</td>
<td>W</td>
<td>6:30-8:30 E 41</td>
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<tr>
<td>1-2</td>
<td>Accounting, C30e-31e</td>
<td>(3)</td>
<td>T-Th</td>
<td>8:00-9:30 E 35</td>
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<td>2</td>
<td>Accounting, C30e</td>
<td>(3)</td>
<td>M-W</td>
<td>6:20-7:30 E 35</td>
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<td>1-2</td>
<td>Accounting, 32e-33e</td>
<td>(2)</td>
<td>T</td>
<td>8:00-9:30 E 13</td>
</tr>
<tr>
<td>1-2</td>
<td>Interpretative Accounting, 35e</td>
<td>(2)</td>
<td>W</td>
<td>8:00-9:30 E 35</td>
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<tr>
<td>1-2</td>
<td>Advertising, 67e-68e</td>
<td>(2)</td>
<td>M</td>
<td>8:00-9:30 K 22</td>
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<tr>
<td>1-2</td>
<td>Applied Economics</td>
<td>(2)</td>
<td>Th</td>
<td>6:20-7:50 K 22</td>
</tr>
<tr>
<td>1</td>
<td>Auditing, 36e</td>
<td>(2)</td>
<td>W</td>
<td>6:20-7:50 E 33</td>
</tr>
<tr>
<td>1</td>
<td>Building and Loan Practice</td>
<td>None</td>
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<tr>
<td>1-2</td>
<td>Business Correspondence, 35e</td>
<td>(2)</td>
<td>W</td>
<td>7:00-9:00 B 15</td>
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<tr>
<td>1-2</td>
<td>Business Facts and Forecasting, 57e-58e</td>
<td>(2)</td>
<td>M-W</td>
<td>6:20-7:30 E 13</td>
</tr>
<tr>
<td>1</td>
<td>Business Geography, C20e</td>
<td>(3)</td>
<td>T-Th</td>
<td>8:00-9:30 B 13</td>
</tr>
<tr>
<td>1-2</td>
<td>Business Law, 40e-41e</td>
<td>(2)</td>
<td>T</td>
<td>8:00-10:00 B 26</td>
</tr>
<tr>
<td>1-2</td>
<td>Business Law, 42e-43e</td>
<td>(2)</td>
<td>Th</td>
<td>8:00-10:00 B 26</td>
</tr>
<tr>
<td>1-2</td>
<td>Business Org. and Management, C60e-61e</td>
<td>(3)</td>
<td>M-W</td>
<td>6:20-7:30 O 21</td>
</tr>
<tr>
<td>1-2</td>
<td>Business Psychology</td>
<td>(2)</td>
<td>M-W</td>
<td>8:00-9:10 B 26</td>
</tr>
<tr>
<td>2</td>
<td>Cost Accounting, 34e</td>
<td>(3)</td>
<td>T-Th, T</td>
<td>6:20-7:50 E 13</td>
</tr>
<tr>
<td>2</td>
<td>Economic Des. of the U. S., C32e</td>
<td>(3)</td>
<td>T-Th</td>
<td>8:00-9:30 B 13</td>
</tr>
<tr>
<td>1-2</td>
<td>Financial Organiza. and Mgt., 72e-73e</td>
<td>(3)</td>
<td>T-Th</td>
<td>8:00-9:30 O 21</td>
</tr>
<tr>
<td>1</td>
<td>Purchasing, 31e</td>
<td>(1½)</td>
<td>W</td>
<td>7:00-9:00 E 34</td>
</tr>
<tr>
<td>2</td>
<td>Products and Prices, 84e</td>
<td>(1½)</td>
<td>W</td>
<td>7:00-9:00 E 34</td>
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<tr>
<td>2</td>
<td>Real Estate Appraisals, 4e</td>
<td>(1½)</td>
<td>W</td>
<td>8:00-9:30 K 22</td>
</tr>
<tr>
<td>3</td>
<td>Real Estate Financing, 3e</td>
<td>(1½)</td>
<td>W</td>
<td>6:20-7:30 K 22</td>
</tr>
<tr>
<td>1</td>
<td>Real Estate Practice, 1e</td>
<td>(1½)</td>
<td>W</td>
<td>6:20-7:50 K 22</td>
</tr>
<tr>
<td>Semester</td>
<td>Subject</td>
<td>Cr.</td>
<td>Hours</td>
<td>Days</td>
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<tr>
<td>1-2</td>
<td>Real Estate, Growth of Cities</td>
<td>1½</td>
<td>W.</td>
<td>8:00-9:30</td>
</tr>
<tr>
<td>1</td>
<td>Marketing, 35e</td>
<td>3</td>
<td>M.-W.</td>
<td>8:00-9:30</td>
</tr>
<tr>
<td>1</td>
<td>Income Tax (Ten weeks), 39e</td>
<td>2</td>
<td>W.</td>
<td>6:30-9:30</td>
</tr>
<tr>
<td>1-2</td>
<td>Advanced Shorthand, 31e-32e</td>
<td>3</td>
<td>M.-Th.</td>
<td>8:00-9:30</td>
</tr>
<tr>
<td>1</td>
<td>Secretarial Duties, 31e</td>
<td>3</td>
<td>M.-Th.</td>
<td>6:30-7:30</td>
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<tr>
<td>1-2</td>
<td>Real Estate Selling Institute</td>
<td>None</td>
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<tr>
<td>2</td>
<td>Real Estate Appraiser Institute</td>
<td>None</td>
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</table>

INDUSTRIAL ELECTRICITY CERTIFICATE COURSE

**Professor Walther, Mr. Smith**

Required Subjects in prescribed order:

<table>
<thead>
<tr>
<th>Hours</th>
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<tbody>
<tr>
<td>6</td>
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<td>6</td>
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<td>6</td>
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<td>6</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practical Mathematics, M1e-2e</td>
<td>6</td>
</tr>
<tr>
<td>Engineering Drawing, ME1e-2e</td>
<td>6</td>
</tr>
<tr>
<td>Practical Mechanics, M3e-4e</td>
<td>6</td>
</tr>
<tr>
<td>Machine Drawing, M12e-13e</td>
<td>6</td>
</tr>
<tr>
<td>Strength of Materials, Mu5e-6e</td>
<td>4</td>
</tr>
<tr>
<td>Steam Boilers and Combustion, M18e</td>
<td>2</td>
</tr>
<tr>
<td>Gas and Oil Engines, M20e</td>
<td>2</td>
</tr>
<tr>
<td>Steam Engines and Turbines, M19e</td>
<td>2</td>
</tr>
<tr>
<td>Machine Design, M17e</td>
<td>2</td>
</tr>
</tbody>
</table>

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.

Detail and assembly drawings of machine parts; elementary mechanism and machine design. M., Th., 8:00-7:30.

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.
THE EVENING SESSION

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:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surveying, Mule-2e</td>
<td>6</td>
</tr>
<tr>
<td>Practical Mathematics, M1e-2e</td>
<td>6</td>
</tr>
<tr>
<td>Mechanics, M3e-4e (See page 22)</td>
<td>6</td>
</tr>
<tr>
<td>Engineering Drawing, ME1e-2e (See page 22)</td>
<td>6</td>
</tr>
<tr>
<td>Strength of Materials, Mule-6e</td>
<td>4</td>
</tr>
<tr>
<td>Concrete Laboratory, Mule</td>
<td>2</td>
</tr>
<tr>
<td>Reinforced Concrete, Mule6e</td>
<td>2</td>
</tr>
<tr>
<td>Municipal Engineering, Mule14e</td>
<td>4</td>
</tr>
</tbody>
</table>

Mule-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.

Mule6e. 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.
COMMERCHE AND ADMINISTRATION

Professor Leigh, Mr. McKee, Mr. Doutt, Mr. Manwell, 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting, C30e-31e</td>
<td>6</td>
</tr>
<tr>
<td>Rhetoric, A1e</td>
<td>3</td>
</tr>
<tr>
<td>Business Correspondence, S5e</td>
<td>2</td>
</tr>
<tr>
<td>Accounting, 32e-33e</td>
<td>4</td>
</tr>
<tr>
<td>Economics, A1e</td>
<td>3</td>
</tr>
<tr>
<td>Contracts and Agency, 46e</td>
<td>2</td>
</tr>
<tr>
<td>Accounting, 37e-38e</td>
<td>4</td>
</tr>
<tr>
<td>Business Organization and Manangement, C60e-63e</td>
<td>6</td>
</tr>
<tr>
<td>Cost Accounting, 34e</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>36</td>
</tr>
</tbody>
</table>

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.
# THE EVENING SESSION

## MANAGEMENT CERTIFICATE COURSE

Required Subjects in logical order to be taken:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhetoric, A1e</td>
<td>3</td>
</tr>
<tr>
<td>Business Correspondence, S5e</td>
<td>2</td>
</tr>
<tr>
<td>Accounting, C50e-C31e</td>
<td>3 or 6</td>
</tr>
<tr>
<td>Economics, A1e-2e</td>
<td>6</td>
</tr>
<tr>
<td>Business Organization and Management, C60e-63e</td>
<td>6</td>
</tr>
<tr>
<td>Business Law, 40e</td>
<td>2</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>2</td>
</tr>
<tr>
<td>Interpretive Accounting, 35e</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>10 or 7</td>
</tr>
</tbody>
</table>

Chosen from the following:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marketing, C80e</td>
<td>3</td>
</tr>
<tr>
<td>Business Law, 40e-41e</td>
<td>2 or 4</td>
</tr>
<tr>
<td>Advertising</td>
<td>2 or 4</td>
</tr>
<tr>
<td>Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Salesmanship</td>
<td>1½</td>
</tr>
</tbody>
</table>

### Electives approved by Head of Department: 16

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.

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.

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Shorthand, S23e-S24e</td>
<td>6</td>
</tr>
<tr>
<td>Rhetoric, A1e-A2e</td>
<td>6</td>
</tr>
<tr>
<td>Secretarial Duties, S3e</td>
<td>3</td>
</tr>
<tr>
<td>Business Correspondence, S5e</td>
<td>2</td>
</tr>
<tr>
<td>Economics</td>
<td>6</td>
</tr>
<tr>
<td>or Accounting C30e-C31e</td>
<td>6</td>
</tr>
<tr>
<td>Elective, at least</td>
<td>9</td>
</tr>
<tr>
<td>To be selected from the following:</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>6</td>
</tr>
<tr>
<td>Accounting, C30e-C31e</td>
<td>6</td>
</tr>
<tr>
<td>Accounting, C32e-C33e</td>
<td>4</td>
</tr>
<tr>
<td>Business Law, C40e-C41e</td>
<td>2 or 4</td>
</tr>
<tr>
<td>Office Management, S10e</td>
<td>3</td>
</tr>
<tr>
<td>Business Organization, C62e</td>
<td>3</td>
</tr>
<tr>
<td>Business Management, C63e</td>
<td>3</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Real Estate, 1e</td>
<td>1½</td>
</tr>
<tr>
<td>Economics, 1e</td>
<td>1</td>
</tr>
<tr>
<td>Real Estate Selling Institute</td>
<td>1</td>
</tr>
<tr>
<td>Growth of Cities</td>
<td>1½</td>
</tr>
<tr>
<td>Real Estate Financing, 1e</td>
<td>1½</td>
</tr>
<tr>
<td>Real Estate Appraisals, 4e</td>
<td>1½</td>
</tr>
<tr>
<td>Public Speaking, 10e</td>
<td>2</td>
</tr>
<tr>
<td>Business Law, 1, 40e</td>
<td>2</td>
</tr>
<tr>
<td>Real Estate Law, 43e</td>
<td>2</td>
</tr>
<tr>
<td>Business Correspondence, 85e</td>
<td>2</td>
</tr>
<tr>
<td>Advertising, 87e</td>
<td>2</td>
</tr>
<tr>
<td>Salesmanship</td>
<td>1½</td>
</tr>
<tr>
<td>Electives approved by Head of Department</td>
<td>8</td>
</tr>
</tbody>
</table>

Total credits: 30
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.

THE AKRON PURCHASING AGENTS' CERTIFICATE COURSE

Required Subjects in prescribed order:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Geography, C20e</td>
<td>3</td>
</tr>
<tr>
<td>Purchasing Practice, 83e</td>
<td>1½</td>
</tr>
<tr>
<td>Applied Economics</td>
<td>1½</td>
</tr>
<tr>
<td>Business Law, 40e</td>
<td>2</td>
</tr>
<tr>
<td>Business Facts and Forecasting, 57e-58e</td>
<td>6</td>
</tr>
<tr>
<td>Products and Prices, 84e</td>
<td>1½</td>
</tr>
<tr>
<td>Business Correspondence, 85e</td>
<td>2</td>
</tr>
<tr>
<td>Interpretative Accounting, 35e</td>
<td>2</td>
</tr>
<tr>
<td>Electives approved by Head of Department</td>
<td>10½</td>
</tr>
</tbody>
</table>

Total: 30

ADVISORY COMMITTEE


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."


Mr. F. A. Bickel—Credit Department, The Guardian Trust Company, Cleveland, Ohio. "Budgeting for the Purchasing Agent."


THE UNIVERSITY OF AKRON

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.”


THE AKRON ADVERTISING CLUB COURSE

Required Subjects in prescribed order:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhetoric, A1e-2e</td>
<td>6</td>
</tr>
<tr>
<td>Marketing, C3e</td>
<td>3</td>
</tr>
<tr>
<td>Commercial Art, T14e</td>
<td>2</td>
</tr>
<tr>
<td>Salesmanship</td>
<td>2</td>
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<tr>
<td>Advertising, 87e</td>
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<tr>
<td>Advertising Research and Campaigns</td>
<td>4</td>
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<tr>
<td>Economics, A1e</td>
<td>3</td>
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<tr>
<td>Public Speaking, 10e</td>
<td>2</td>
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<tr>
<td>Electives approved by the head of the depart.</td>
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</table>

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.

SALESMAHIPS. Either semester. One and one-half credits.
The 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:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Building and Loan Practice</td>
<td>2</td>
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<tr>
<td>Economics, A1e</td>
<td>3</td>
</tr>
<tr>
<td>Public Speaking, 10e</td>
<td>2</td>
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<tr>
<td>Business Correspondence, 85e</td>
<td>2</td>
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<tr>
<td>Business Law, 40e</td>
<td>2</td>
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<tr>
<td>Real Estate Law, 43e</td>
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<tr>
<td>Real Estate Financing, 3e</td>
<td>1½</td>
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<tr>
<td>Real Estate Appraisals, 4e</td>
<td>1½</td>
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<tr>
<td>Financial Organization, 72e</td>
<td>3</td>
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<tr>
<td>Investments, A2e</td>
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<tr>
<td>Electives</td>
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</table>
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

Sponsored by the Akron Retail Credit Men's Association.

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. 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.”
### 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.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Subject</th>
<th>Cr.</th>
<th>Hours</th>
<th>Days</th>
<th>Room</th>
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<td>1-2</td>
<td>ART</td>
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<td>M.</td>
<td>6:30-9:30</td>
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<tr>
<td>1-2</td>
<td>Elements of Art, T1e</td>
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<td>Commercial Art, T14e-15e</td>
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<td>Free Sketch, T1e</td>
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<td>Clay Modeling, T18e</td>
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<td>Technique of Mediums, T1e</td>
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<td>6:30-9:30</td>
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<tr>
<td>2</td>
<td>Design, T2e</td>
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<td>1-2</td>
<td>Still Life, T10e</td>
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<td>6:30-9:30</td>
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<td>2</td>
<td>Poses, T11e</td>
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<td>Educational Sociology, T11e</td>
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<td>School Health, T32e-33e</td>
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<td>2</td>
<td>Principles of Elem. Education, T9e</td>
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<td>Principles of Secondary Education</td>
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<td>METHODS AND TEACHING</td>
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<td>Primary Methods, T5e</td>
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<td>Story Telling for Upper Grades, T12e</td>
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<td>1-2</td>
<td>Literature for Intermediate Grades</td>
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<td>Elementary Harmony</td>
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<td>W.</td>
<td>5:50-7:50</td>
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<td>1-2</td>
<td>Public School Music (Up. Grade)</td>
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<tr>
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<td>Appreciation of Music</td>
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<td>Org. of Instruction Material, T25e</td>
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<td>Determination of Tchp. Content in Gen.</td>
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<td>1-2</td>
<td>Continuation School, T24e</td>
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<td>F.</td>
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<td>Shop Management, T16e</td>
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<td>Methods of Tchp. Occupational Subjects, T26e</td>
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<td>5:50-7:50</td>
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<td>Industrial and Educational Co-ordination, T1e</td>
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<td>Principles of Educational Guidance, T35e</td>
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<td>M.</td>
<td>6:00-8:00</td>
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<td>GRADUATE COURSES</td>
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<td>1-2</td>
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<td>2</td>
<td>M.</td>
<td>5:50-7:50</td>
<td>B 32</td>
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<td>Supervision of Cadets Teaching, T15e</td>
<td>2</td>
<td>T.</td>
<td>5:50-7:50</td>
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<td>1-2</td>
<td>Statistics, T119e</td>
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<td>5:50-7:50</td>
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<td>Current Educa. Thought, T14e</td>
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<td>1-2</td>
<td>Great Teachers, T104e</td>
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<td>1-2</td>
<td>Modern Tendencies in Education</td>
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<td>5:50-7:50</td>
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<td>1-2</td>
<td>Supervision of Instruction, T120e-121e</td>
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<td>W.</td>
<td>8:00-10:00</td>
<td>B 37</td>
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<td>1-2</td>
<td>Mental Hygiene</td>
<td>2</td>
<td>Th.</td>
<td>5:50-7:50</td>
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### THE EVENING SESSION

<table>
<thead>
<tr>
<th>Semester</th>
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<th>Cr.</th>
<th>Hours</th>
<th>Days</th>
<th>Room</th>
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<tr>
<td>1-2</td>
<td>Genetic Psychology, T105e</td>
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<td>5:30–7:30</td>
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<td>Seminar</td>
<td>2</td>
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#### SATURDAY COURSES

<table>
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<tr>
<td>2</td>
<td>8:00–10:00</td>
<td>Sat.</td>
<td>S 113</td>
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#### 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

<table>
<thead>
<tr>
<th>Subject</th>
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<tr>
<td>Elements, 1</td>
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<tr>
<td>Technique of Mediums, 8</td>
<td>2</td>
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<tr>
<td>Free Sketch, 19</td>
<td>2</td>
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<tr>
<td>Clay Modeling, 18</td>
<td>2</td>
</tr>
<tr>
<td>Still Life, 9</td>
<td>2</td>
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<tr>
<td>Still Life, 10</td>
<td>2</td>
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<tr>
<td>Pose, 11</td>
<td>2</td>
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<tr>
<td>Illustration, 12</td>
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<td>Illustration, 13</td>
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#### ART DESIGN CERTIFICATE COURSE

<table>
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<td>Crafts, 3</td>
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<td>Crafts, 5</td>
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<td>Clay Modeling, 18</td>
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<td>Marionettes, 17</td>
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<tr>
<td>Costume, 6</td>
<td>2</td>
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<tr>
<td>Interior Decoration, 7</td>
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<td>Interior Decoration, 21</td>
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### ART APPRECIATION CERTIFICATE COURSE

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<td>History of Art, 28</td>
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<td>Elements, 1</td>
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<tr>
<td>Design, 2</td>
<td>2</td>
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<tr>
<td>Costume, 6</td>
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<tr>
<td>Stage Costume, 20</td>
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<tr>
<td>Interior Decoration, 7</td>
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### STAGE DESIGN CERTIFICATE COURSE

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<td>Clay Modeling, 18</td>
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<td>Crafts, 3</td>
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<td>Marionettes, 17</td>
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<tr>
<td>History of Art, 28</td>
<td>2</td>
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*Note: Room and time slots are not specified in the provided text.*
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.

T8e. **Home Planning.** First semester. Two credits.

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.

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.
THE EVENING SESSION

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.

T19e. FREE SKETCH. First semester. Two credits.

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.

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.
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.

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.

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 Klemmer, Mr. Erwine

T4e. 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 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.

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 feeblemindedness. Pre-
requisite, T1e. T., 5:50-7:50.

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.
THE UNIVERSITY OF AKRON

T6c. 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.


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.
THE EVENING SESSION

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.
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 semes-
ter. Two credits.
The simple phases of the subject and the work ordinarily presented,
with applications to educational data, up to and including partial and

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 pro-
cesses 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 stereopticans; 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.
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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Rhetoric</td>
<td>3 hrs.</td>
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<tr>
<td>Physical Education</td>
<td>2 hrs.</td>
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<tr>
<td>Methods (in four subjects)</td>
<td>8 hrs.</td>
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<tr>
<td>History of Education</td>
<td>3 hrs.</td>
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<tr>
<td>School Management</td>
<td>2 hrs.</td>
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<tr>
<td>Principles of Teaching</td>
<td>3 hrs.</td>
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<tr>
<td>Probs. of Citizenship or American History</td>
<td>2 hrs.</td>
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<tr>
<td>Art</td>
<td>4 hrs.</td>
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<tr>
<td>Tests and Measurements</td>
<td>2 hrs.</td>
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<tr>
<td>Story Telling</td>
<td>2 hrs.</td>
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<tr>
<td>Speech</td>
<td>2 hrs.</td>
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<tr>
<td>Sight Singing and Ear Training</td>
<td>2 hrs.</td>
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<tr>
<td>Personal Hygiene</td>
<td>2 hrs.</td>
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<tr>
<td>Public School Music</td>
<td>2 hrs.</td>
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<tr>
<td>Psychology (including Educational Psychology)</td>
<td>5 hrs.</td>
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<tr>
<td>Practice Teaching and Observation</td>
<td>7 hrs.</td>
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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 sixths 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.
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-week 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

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

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

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

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

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-
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.

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.

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.

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.

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
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 classroom 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 7:45 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 classroom 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 7:15 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

16. 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 KUHNE

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.

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.

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.

SOCIOMETRY

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 de-

livery 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 EMBRIGHT

2. Voice and Speech. Three credits.

This course includes physical exercises for normal carriage and gestures. Person

ality is studied and preserved, while the appearance and address are aided in the process of development toward the normal type of cul-

tivated 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 EMBRIGHT

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 educa-

tion. 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 In-

structor 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


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.  

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.  

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.  

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.  

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.  

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.  

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.
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 0 to Olin Hall. The number after each subject indicates the room in which the class will recite.

7:15 to 8:15
*Biology, B-25.
*Business Law, B-15.
*Chemistry, K-22.
*First Aid, B-11.
*General Laboratory, S-113.
"Organisation of Physical Education, gymnasium.
*Physics, C-21.
*Principles of Advertising, B-12.
Problems in Elementary Education, B-38.
*Psychology of Learning, S-213.
School Organisation, B-25.
Story Telling, S-212.

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.
*Household Economics C-7.
*Interpretation and Reading Rehearsals, B-12.
*International Relations, B-35.
*Personal Hygiene, B-13.
*Physical Education, S-213.
*Principles of Teaching, S-112.
Problems in School Administration, B-11.
Recent Developments in Education, B-32.
Remedial Work in Arithmetic, B-25.
School Finance, B-11.
School Management, B-15.
*Sociology of Personality, B-37.
*Voice and Speech, B-12.
*Voice and Speech (first 3 weeks), B-12.

9:35 to 10:35
*Abnormal Psychology, S-213
*Algebra, B-38.
*Biography, Laboratory.
*Chemistry, Laboratory.
*Clothing Selection, C-7.
*Educational Psychology, B-13.
*Educational Psychology, B-13.
*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.
*Principles 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), B-32.
Remedial Work in Reading, B-15.
*Rhetoric I (last 3 weeks), B-26.
*Rhetoric II (first 3 weeks), B-26.
*Shakespeare, B-32.
*Teachers Equipment, B-15.
*Tests and Measures for Elementary Schools, O-25.
*Tests and Measures for Elementary Schools, B-12.
*Voice and Speech, B-12.
10:45 to 11:45
*American History, B-25.
*Anthropology, B-13.
*Biography, 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.
Organisation and Management, O-25.
*Physics, Laboratory.
*Principles of Teaching (last 3 weeks), B-22.
Public School Music (Primary), S-212.
*Sociology of Personality, B-37.
*Shakespeare, 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-13.
*Evolution of Greek Art, B-24.
*German, B-22.
*Home and School Crafts, P-1.
Methods in Junior High School, S-212.
*Music Appreciation, S-113.
*Physical Education, B-11.
*Sociology of Personality, B-37.
*Tests and Measures for Elementary Schools, B-32.
*Voice and Speech (first 3 weeks), B-12.

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 co-operates 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.
COMMUNITY CO-OPERATION

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 Shakspere—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

Cain, James Robert. Ph. C., The Ohio State University.
Childs, Edith Marion. B. S., Columbia University.
Dobkin, Arthur. B. S., The University of Akron.
Ho Yu Kun. B. S., Massachusetts Institute of Technology.
Kaneko, Hideo. Japan.
Ma, Chieh. China.
M. S., The Ohio State University.
Yeo, Burgett Everett. M. Educ., The University of Akron.

SENIOR CLASS

Course

Amer, Francis Joseph. A. B., Akron
Beiling, Grace A. B. S., Akron
Berry, Louis A. A. B., Akron
Bier, Olga. A. B., Akron
Bitter, Raymond Edward B. S., Akron
Blais, Raymond Charles A. B., Akron
Borister, Paul William A. B., Akron
Bowman, Laura Leona A. B., Akron
Brown, Raymond Ramsey B. S., Akron
Brown, Roy Edward A. B., Barberton
Breugge, Elmer C. B. S., Akron
Caplan, Lester A. B., Akron
Cappa, 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. P., Akron

Men 8; Women 2; Total 10
THE UNIVERSITY OF AKRON

Connell, Ruth Evelyn ........................................ B. S. Akron
Cottner, Marion Ira ............................................. A. B. Akron
Conniff, Panola .................................................... A. B. Akron
Crawford, Helen ................................................... A. B. Akron
Croat, Nellie Earnestine ........................................ A. B. Akron
Croyseale, Arthur George ...................................... A. B. Akron
Dietrich, Philip Joseph .......................................... A. B. Akron
Ficentz, Carl Joseph ............................................. B. S. Akron
Fink, Charles David ............................................. A. B. Akron
Finney, Addie Howard ......................................... B. S. Akron
Firestone, Arden Edson ........................................ A. B. Akron
Flower, Walter Deane .......................................... A. B. Akron
Fuller, Bette ....................................................... B. S. Akron
Garrett, Catherine Jean ........................................ A. B. Akron
Gillespie, Joseph Edward ...................................... A. B. Akron
Goodenberger, Harry Thomas ............................. A. B. Akron
Harter, 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. Akron
Hollingsworth, Frances Mary .............................. A. B. Akron
Johnson, Joseph ................................................. B. S. Akron
Johnson, Ruth E ................................................... A. B. Akron
Johnson, Kermit Thomas ....................................... B. S. Akron
Kemir, Arthur Ralph ............................................ A. B. Akron
Kneze, Virginia Inez ............................................ A. B. Cuyahoga Falls
Kodish, Samuel J .................................................. A. B. Akron
Koeckel, Louise .................................................... A. B. Akron
Krohnstedt, Rae Cyril .......................................... A. B. Akron
Krutky, Theodore A ............................................ B. S. Akron
Lewin, Charles A ................................................. B. S. Kentmore Station
McDonald, Beatrice Adelaide .............................. A. B. Cuyahoga Falls
McFarland, George Max ........................................ A. B. Akron
McRae, Raymond Wilson ....................................... B. S. Akron
Miller, Dorothea Fay ............................................ A. B. Akron
Neuworth, Mildred Smith ..................................... A. B. Akron
Oplinger, George William ..................................... A. B. Akron
Pilkun, Reuben Robert ......................................... B. S. Akron
Pogany, Anne Marie ............................................ A. B. Akron
Quine, Robert Cloyd ........................................... A. B. Akron
Reising, Henry, Jr ............................................... A. B. Akron
Rice, Russell Turner ............................................ B. S. Akron
Richards, Randolph F .......................................... B. S. Akron
Ronzweiger, Robert Bernard ............................... A. B. Akron
Royer, George Lewis ........................................... B. S. Akron
Safford, Clair Olton ............................................ A. B. Akron
Satow, Ivan Christian .......................................... A. B. Akron
Sawyer, Mildred Vivien ........................................ A. B. Akron
Schwarz, Gerald Theodore ................................... B. S. Akron
Shendel, 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
Tred, Donald M ................................................... B. S. Akron
Walser, Eugene ................................................... B. S. Akron
<table>
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<tr>
<th>Name</th>
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<td>Abell, Mrs. W. J.</td>
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<td>Young, Edwin Arthur</td>
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**Men 64; Women 30; Total 94**

**SOPHOMORE CLASS**

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<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Alexander, Joseph</td>
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Caldwell, John Richard ................................ B. S. ........................................ Akron
Clark, Elizabeth Margaret ................................ A. B. ........................................ Cuyahoga, Falls
Cook, Fritzi ................................................................................................................... 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
Dettloff, Lillian Wagner .............................................................. B. S. ........................................ Medina
Dienoff, Phillip ................................................................................................................ 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
Faber, Marguerite Bair .................................................................................................... A. B. ........................................ Akron
Ferguson, Dan Clayne .......................................................................................................... A. B. ........................................ 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 Winfred .............................................................................................. A. B. ........................................ Akron
Grubb, Josephine ................................................................................................................ B. S. ........................................ Akron
Gustafson, Harriet Marie .................................................................................................. B. S. ........................................ Akron
Hamman, Clinton Gaylord .............................................................................................. B. S. ........................................ Kent
Hanser, Virginia Elizabeth .................................................................................................. A. B. ........................................ Akron
Harts, Ralph William ........................................................................................................... B. S. ........................................ Akron
Haslett, Charles Brown ..................................................................................................... A. B. ........................................ Akron
Honebaugh, Lucille ............................................................................................................ A. B. ........................................ Akron
Honey, Ed, Arline 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. ........................................ Akron
Kastner, Lena Marie ........................................................................................................... B. S. ........................................ Akron
Katz, Arnold Lee ................................................................................................................. A. B. ........................................ Akron
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Merryweather, Gerald ......................................................................................................... A. B. ........................................ Akron
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**FRESHMAN CLASS**

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Church, Mary Eloise
Corman, Eleanor Janet
Courtney, Maude Teresa
Culver, Vernon Alfred
Dubney, James Edward
Dapp, Evelyn May
Daugherty, Thomas Shieler
Davis, Willard Thomas
Dearth, Virginia Bell
Dietrich, Mildred Elizabeth
Diets, LeRoy Edward
Dolin, Ida Sydnie
Doerler, Charles Edward
Donahue, Richard Weber
Doon, Burton James
Duell, Nap Robertson
Duncan, Wilma Urilla
Earley, Lawrence Terence
Eckelberger, Paul Wilson
Engstrom, Ruth Isabelle
Erwine, Robert Martin
Falor, Clyde, Jr.
Field, Charles Earl
Fischer, Jesse Harry
Ford, Josephine
Funk, Cleo
Gilbody, James Edward
Green, Albert Lewis
Gregory, Edith Aikers
Griffiths, Esther Weber
Haas, Audrey Dean
Hahn, Helen Hamilton
Halter, Marie Agnes
Hargis, William Lawton
Harper, Roselle
Harrington, Mary Grace
Harris, Ada Maude
Hartman, Robert
Heede, Louise Rosemary
Heeniger, Herman Harrison
Hlackley, Helen Marguerite
Hinkle, Edwin Austin
Hinsie, Marcella Curtis
Hoffman, William Earle
Hollis, Donald Robert
Hummel, Richard Charles
Hunsicker, Sarah Jane
Irvin, Mary Elizabeth
Jones, Florence Christine
Kempel, George Paul
Kibler, Homer Laborn
Klopstein, James Marvin
Kosch, Kermit Lawrence
Krill, Molly Odessa
Krupp, James Malcolm
Kyle, Stanley Emerson
Ladd, Helen Louise
Laurence, James
Levi, Sidney
Levis, Arthur Parker
Lombardi, Louis
Lostetter, Marian Frances
Lowen, Ellis Edgar
Lowery, Herman Joy
Lucy, Jack Kenneth
McCaughney, Amy
McDowell, Curtis Ives
McDonald, Francis Ambrose
McDonald, Ruth
McKay, Norma Reeves
Macbeth, Gladys Rebecca
Maxwell, Boyd Walden
Maynard, Edward Alfred
Merritt, Mildred
Meyer, Emanuel Irving
Meyer, Ray Catherine
Mills, Robert Edward
Mills, Vera Katherine
Mitchell, Thomas Arthur
Mowery, Robert Marshall
Myers, Elizabeth Prince
Myers, William H.
Myers, Wilbur O.
Nabhit, Clark R.
Nighman, Miriam Louise
Obradovich, Olga
Owensley, Ruth Virginia
Palmer, Francis William
Pardee, CarolineJulia
Perkins, Harold Edwin
Preston, Harley Oliver
Pulos, George
Rankin, James Wallace
Raynov, Robert Thomas
Reiniger, Erwin
Richards, Harold Franklin
Richards, Henry Sheldon
Rine, Arthur H.
Roseman, Hyman
Ruble, Wade Claire
Rutherford, James E.
Rutherford, James Stanley
Schlegel, Alfred Parker
Schneier, Dorothy Handy
Schooch, Otto Ferdinand
Schueneman, Ellsworth Elmer
Schuster, Robert
Schwartz, Jack Alfred
Seidel, Andrew Emil
Shoults, Earl
Smith, Edith Irene
Smith, George Phillips
Smith, Harold Charles
Smith, Harvey Elwood
Smith, John D.
Smith, Mary Ellen
Smith, Mina Elizabeth Ross
Spade, Ralph Irvin
Spain, Leona Gladys ............................ Akron
Stillman, Laura Jane ............................ Akron
Stoddard, Louis ................................. Akron
Straw, Clayton ................................. Akron
Stykora, Joseph Edward ....................... Akron
Thompson, Aida Beth .......................... Akron
Traford, Helen Carver ........................ Akron
Tucker, Margaret Ruth ........................ Akron
Vanca, Sumner Wayne .......................... Akron
Van Sickle, Thomas Edwin ..................... Akron
Vanilla, Louis .................................. Akron
Voige, Suzanne ................................. Akron

Wade, Margaret Elizabeth Cuyahoga Falls
Weisberg, Hymen ............................... Akron
Wentsler, Norman Edgar ........................ Akron
Whelan, John Vincent, Jr.......Franklin, Mass.
White, Paul Leslie ............................. Akron
Wilde, Bertha Marie ........................... Akron
Wae, Miriam Lucille ............................ Mogadore
Winstead, Myrtle Elizabeth ................. Akron
Woodward, Kent W. ............................ Akron
Wright, Harry Lavern .......................... Akron
Yood, Marjorie Sarah ........................... Akron
Young, Geraldine Carolyn .................... Akron
Young, Leroy Franklin .......................  Akron

Men 109; Women 62; Total 171

IRREGULAR STUDENTS

Anderson, Alfred Verner ...................... Rittman
Bankes, Willard Edwin ........................ Akron
Barder, Louise Emily .......................... Akron
Blank, William K. .............................. Akron
Bonstedt, Mrs. Sue ............................. Akron
Brittigan, Ruth Clark .......................... Akron
Bents, Harold Arthur ........................... Akron
Burke, Charles Mayhew ........................ Akron
Casserly, Jane Sloan ........................... Akron
Chamberlain, Florence Scott ................. Akron
Cooper, Kathryn Miller ....................... Akron
Cooper, Graydon Phillips ..................... Akron
Davis, Frank Spurgeon ........................ Akron
DeCamp, Emily Pauline ........................ Akron
Dimmette, Celia Margaret ..................... Akron
Dunn, Carl A. ................................. Akron
Fink, Roy Donald .............................. Kenmore Station
Folz, Bessie Mildred ......................... Akron
Goodwin, Dorsey Aaron, Thornton, W. Va.
Gray, Alma Lucile ............................. Akron
Hixson, Clarence Albert ...................... Akron
Ink, David Halverstadt ....................... Akron
Krill, Albert Joseph ........................... Akron

Leonard, Sherill Elsworth ................... Akron
Lowery, Matilde ............................... Akron
McArthur, Malcolm Eugene, Bicknell, Ind.
McCarthy, Vivien Jane ........................ Akron
Martin, Leonard Bowman Kenmore Station
Narajall, Arthur R. ............................ Akron
Neff, Frank Robert ............................. St. Clairsville
Nolley, Gilbert Talmadge ..................... Akron
Pears, Robert Southwell ...................... Akron
Pitt, Carlton Russell .......................... Corry, Pa.
Pinsk, Samuel ................................. Akron
Price, Jesse Ray .............................. Akron
Reafrow, James Franklin ...................... Akron
Riley, Claud Munroe, Cuyahoga Falls
Sikkerveer, John Harold Orange City, Ia.
Spencer, Earl Theodore ....................... Akron
Spiller, Mary Belle ......................... Doylestown
Stover, Ellsworth Elmer ..................... Kenmore Station
Straton, George Byron ....................... Bluffton
Weber, Robert George ....................... Akron
Wilson, Harriet Beckwith .................... Akron
Winaburger, Clarence Michael .............. Akron

Men 32; Women 14; Total 46

SPECIAL STUDENTS

Gelink, Mrs. Myra ............................. Akron
Gibson, Mabelle Gertrude .................... Akron
Hart, Eugene Frank ............................ Akron
Hoeker, Sadie Wilson ........................ Akron
Jones, Alfred Hughes ......................... Akron
Peters, Chalmers A. ........................... Rockland
Polsky, Stella B. ............................. Akron

Swearingen, Willard P. ....................... Akron
Vila, Robert Arthur ........................... Hartford, Conn.
Weber, James Wayne ........................... Sullivan
Williams, Glenn Allen ........................ Akron
Wilson, Miles ................................. Urbana
Wortley, M. Marjorie ......................... Akron

Men 8; Women 5; Total 13
CURTIS SCHOOL OF HOME ECONOMICS

GRADUATE STUDENT

Price, Mrs. Wreta Lee ........................ Akron
B. S. in Educ., Ohio University.

SENIOR CLASS

Brewster, Kathryn Charlotte ................. Akron
Gravesmill, Margaret Anne .................... Akron
Leckrone, Edna Faiths ......................... Ravenna
Scebie, Emma Elizabeth ....................... W. Richfield
Total, 5 Women

JUNIOR CLASS

Hay, Janet Elizabeth ........................... Akron
McGowan, Eleanor Marie ....................... Akron
Read, Janet ......................................... Akron
Witwer, Lois Geraldine ........................... Akron
Total, 5 Women

SOPHOMORE CLASS

Brown, Ruth Isabella ............................ Canal
Frederick, Lois Irene ............................ Akron
Smith, Mildred Eugenia ......................... Akron
Wozniak, Genevieve Mary ....................... Akron
Total, 4 Women

FRESHMAN CLASS

Corbett, Laurene ................................ Akron
DeLaury, Edith Estella ......................... Akron
Hassen, Ruby Lucile .............................. Ellet Station
Palmer, Ruth Stauffer ............................ Akron
Singleton, Margaret ............................. Akron
Thompson, Juella ................................... Akron
Total, 6 Women

IRREGULAR STUDENT

Hay, Helen Esther .............................. Akron
## 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

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**Total, 20 Men**

### JUNIOR CLASS

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**Total, 21 Men**

**PRE-JUNIOR CLASS**

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**Total, 48 Men**
SOPHOMORE CLASS

Course

Bechtel, Paul Shreckengost ............................................ E. E. Akron
Brunswick, Paul Edward ............................................. M. E. Akron
Buckley, Allan Gillan .................................................. M. E. Akron
Claro, Clinton Young .................................................... E. E. Adrian, Pa.
Corning, Anthony Jules ................................................ C. E. Egermay, France
Cox, Sherman ............................................................... M. E. Akron
Davis, Robert Martin .................................................... M. E. Akron
DeYoung, Russell ........................................................... I. E. Akron
Fall, Amos William ...................................................... M. E. Port Clinton
Falls, Eugene Kelly ....................................................... 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
Gilmour, William Joseph .............................................. I. E. Akron
Gillespie, Marshall Ford ............................................... I. E. Akron
Hayes, Leroy ................................................................. I. E. Edinboro, Pa.
Haxell, Robert Thomas ................................................ C. E. Akron
Hoffman, Thelma ............................................................ E. E. Akron
Honeywell, Albert M. ................................................... E. E. Milford, 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, S. I. ............................................................ E. E. Akron
Lehinsky, Imdore ........................................................... I. E. Akron
Levy, Isadore ................................................................. E. E. Akron
MacClellan, Malcolm W. ............................................... M. E. Akron
McFarland, Walter C. .................................................... E. E. Mosquera, 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
Olver, Dominic A. ........................................................ E. E. Akron
Peterson, Walter K. ....................................................... M. E. Akron
Pitke, Henry Melchoir .................................................. M. E. Cleveland
Poole, Donald S. ........................................................... M. E. Akron
Prater, Frank Edwin ..................................................... M. E. Akron
Renninger, Terry Donald ............................................. I. E. Unnamed
Sailer, Eugene Victor ................................................... E. E. Akron
Schlegel, Albert Frederick ........................................... C. E. Akron
Schwartzmiller, Harry ................................................ C. E. Buffalo, N. Y.
Shepherd, Darrell R. ..................................................... I. E. Portland, Ind.
Shively, Russell Dewitt ................................................ E. E. Akron
Smale, Maudine Wayne ................................................. M. E. Akron
Somogy, Chris ............................................................... C. E. Medina
Strode, Archie Edward ................................................ E. E. Akron
Suttles, Henry ............................................................... M. E. Orrville
Tambling, Philip A. ....................................................... M. E. Akron
Thom, Harold Glen ....................................................... M. 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
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Smith, Wm. James .............................. Engr ............................Evansville, Ind.
Spade, Russell E .............................. Engr ............................Akron
Spark, Paul Emerson ......................... C. E ............................Lakemore
Stine, Wm. Virgil .............................. Engr ............................Litchfield
Surber, C. Wade .............................. Engr ............................Akron
Sympoloulos, Philip C ......................... Engr ............................Akron
Talmage, Leib ................................. E. E ............................Palestine
Triplett, Dean Franklin ......................... Engr ............................Akron
Trussell, Hobart Houston ...................... 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
Widio, Branko John ............................ Engr ............................Akron
Wyckoff, Ralph Charles ....................... Engr ............................Akron
Yarian, Harold David ......................... Engr ............................Rootstown
Zabel, Albert ................................. Engr .............................Cleveland

Total, 77 Men

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IRREGULAR STUDENTS

Course
Carter, Corwin Howard ......................... E. E ............................Everett
Hobson, Lewis H ............................... E. E ............................Akron
Total, 2 Men

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SPECIAL STUDENTS

Course
Crane, Bruce Emmett ......................... Engr ............................Akron
Jewell, Jacob Wm .............................. M. E ............................Akron
Mizel, Ben ................................. Engr .............................Canton
Total, 3 Men

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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
Fulton, Charles Everett ......................... Akron
Morris, Wesley Ozone ......................... Kenmore
Nelson, Harold C ................................. Akron
Olden, Morris ................................. Akron
Rose, William Malcolm ......................... Akron
Tideman, Jack D ................................. Akron
Van Kirk, Budd ................................. Akron
Zueisford, Ellwood Milton ................. Akron

Total, 9 Men
## REGISTER OF STUDENTS

### JUNIOR CLASS

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### PRE-JUNIOR CLASS

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<tbody>
<tr>
<td>Morris, Donald R.</td>
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<tr>
<td>Myers, Donald H.</td>
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<td>Schlemmer, Robert M.</td>
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<td>Total, 3 Me.</td>
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</table>

### SOPHOMORE CLASS

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Adams, James F.</td>
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<tr>
<td>Albertson, Roy E.</td>
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<tr>
<td>Booth, Richard F.</td>
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<td>Demko, Michael P.</td>
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<tr>
<td>Ensign, Hadley N.</td>
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<tr>
<td>Foutta, Harold C.</td>
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<tr>
<td>Gordon, Jacob W.</td>
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<td>Hartz, Gilbert W.</td>
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<tr>
<td>Hunter, Harold R.</td>
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<td>Keen, Bernard S.</td>
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<td>Kodish, Louis H.</td>
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<td>McCollough, David A.</td>
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<td>Meadows, James R.</td>
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<td>Miller, William W.</td>
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<td>Ostroff, Samuel</td>
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<td>Porter, John E.</td>
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<td>Reuter, George W.</td>
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<td>Ritz, Harold H.</td>
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<td>Rogers, Cecil A.</td>
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<td>Savage, Harold W.</td>
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<td>Schell, Burton W.</td>
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<td>Secrest, Burt W.</td>
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<td>Tappan, Irving B.</td>
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<td>Turina, Irwin W.</td>
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<td>Waggoner, Robert H.</td>
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<td>Walkup, William E.</td>
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<td>Weber, Fred C.</td>
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<td>Total, 28 Men</td>
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### FRESHMAN CLASS

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<tbody>
<tr>
<td>Arnold, Harold G.</td>
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<tr>
<td>Attebroch, William L.</td>
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<tr>
<td>Bradshaw, Thomas</td>
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<td>Carper, Frank W.</td>
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<td>Coddington, Wilfred R.</td>
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<td>Conley, Charles B.</td>
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<td>Gray, Donald J.</td>
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<td>Harry, Winchester</td>
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<td>Husted, Lawrence K.</td>
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<td>Usher, George J.</td>
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<td>Windsor, Frederick T.</td>
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<td>Total, 42 Men</td>
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THE UNIVERSITY OF AKRON

IRREGULAR STUDENTS

Bergey, Nelson Jacob .................. Akron
Bierce, Lucius V. ...................... Tallmadge
Bird, Thomas Whittier ................ Horse Shoe, N. C.
Ford, Morris Opal ..................... Norman Station, Ind.
Griesmer, Joe Andrews ................. Wadsworth
Shaw, Perry A. ......................... Akron

Total, 6 Men

SPECIAL STUDENTS

Birch, Harry A ......................... Akron
Doland, Howard Arthur ................. Akron
Fair, Orville Raymond ................ Akron
Gadd, Lester .......................... Akron
Gruccio, Joseph ....................... Akron
Hlas, Pohn Peter ..................... Barberton
Morgan, David ......................... Newlinburg, Pa.
Neag, Demetrios ...................... Roumania
Spratt, William Walter ............... 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
Clark, Frances Adelaide .............. Akron
Cohen, Jeanne Edith ................. Akron
Danford, Dorothy M .................. Akron
Jones, Margaret Celia ............... Akron
Munsell, Gertrude Ruth .............. Akron
Orr, Grace ............................. Attleboro, Mass.
Schlemmer, Josephine Elizabeth .... Kenmore
Starner, Geraldine Leona .......... Akron
Young, Helen Louise ................. Akron

Total, 10 Women

FRESHMAN CLASS

Bitter, Esther Mary ................... Akron
Dix, Ruth Stevenson .................. Akron
Ferrell, Janet Beverly ............... Barberton
Gangl, Ethel Helen .................. Portage Lakes
Goskovitz, Ruth Mildred .......... Akron
Myers, Wayne Leone .................. Kenmore Station
Presswell, Cosette Bernice .......... Kenmore Station
Reaven, Shirley ....................... Akron
Souers, Gertrude ..................... Akron
Spratt, Bula Elizabeth .............. Akron
Stall, Laura Elaine ................. Akron
Stedman, Marion Edith .......... Akron
Stevens, Marjorie Adele .......... Akron
Thomas, Lucille ...................... Akron
Woerz, Anna Margaret .............. 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 Dois .................................................... Akron
A. B., The University of Akron
Dorn, Ruth M. ............................................................ Akron
B. S. in Commerce and Bus. Admin., The University of Akron
Finney, Otia Ezekiel ..................................................... Akron
B. E., The University of Illinois
Hanna, Gaynelle Lisle .................................................. Alliance
B. A., Mount Union College
Hassenflue, 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
McCows, Mary Ellen .................................................. Akron
A. E., The University of Akron
Marquis, Ada ............................................................. Akron
A. B., The University of Akron
Moser, 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

SENIOR CLASS

Allen, Isabelle Frances .............................................. Akron
Allen, Sara Geraldine ................................................ Akron
Alpert, Katherine Marie .............................................. Akron
Apet, Sara B. ............................................................ Akron
Baum, Mary ............................................................. Akron
Bunnell, John H. ......................................................... Akron
Burgess, Bernadette J. ............................................... Akron
Buttersworth, Mary Elizabeth .................................... Canton
Colville, Myrtle Blanche ............................................ Canton
DeYoung, Catharine Myra .................. Akron
Egbert, Viola June .................. Barberton
Greaves, Henry Alfred .............. Akron
Cross, Roy Edwin .............. Greenpoint
Hannah, Alice Frances .......... Akron
Harding, Elizabeth Jane .......... Akron
Harford, Margaret Antwine .......... Akron
Hayes, Merlin Lewis .......... Akron
Hinch, Roy Orris, Spring City, Tenn.
Hoppins, Carl Lawrence .......... Akron
Hurst, Olive W. .......... Akron
Jusell, Judson George .......... Akron
Kennedy, Emily Virginia .......... Peninsula
Kline, William Spencer .......... Akron
Leholt, Ellen Louise .......... Akron
Ludlam, Eulalia .......... Akron
McShaffrey, Mary Elizabeth .......... Akron
Manion, Anna Berenice .......... Akron
Mason, Ada Miriam .............. Akron
Minnick, Margarette Leone, Cuyahoga, Falls
Myers, Ingram Calvin ........ Kenmore Station
Niswirtz, Waldemar Alexander, Youngstown
Parsons, Frances Elizabeth .......... Akron
Randle, Lucetta B .......... Akron
Reiser, Alma ........ Akron
Richards, Marie Louise .......... Akron
Robinson, Charles Ewing .......... Akron
Rosenberg, Rose Rae .......... Akron
Rutman, Daniel Walter, Jr. .......... Akron
Suhadolnik, Lawrence Edward, Jr. .......... Akron
Tisch, Loretta .......... Akron
Williams, Vivian Mary .......... Akron
Woodworth, Florence P. .......... Irwin
Wright, Helen Edith .......... Akron

Men 13; Women 30; Total 43

JUNIOR CLASS

Ahern, Rose Louise .......... Akron
Allen, Gertrude Cecilia .......... Akron
Allen, Grace Victoria .......... Akron
Armstrong, Kathryn Gertrude .......... Akron
Barnes, Ethel G. .......... Canton
Barnsby, Claude Robert .......... Akron
Baughman, Doris Elizabeth .......... Akron
Braunstein, Katie .......... Akron
Buys, Marjorie Anna .......... Akron
Cardarelli, Anna Josephine .......... Akron
Christensen, Bernice Ruth .......... Akron
Close, Alice Josephine .......... Akron
Corl, Helen Marie .......... Akron
Corns, Richard William .......... Akron
Dasch, Anna May .......... Akron
Davenport, Winifred .......... Akron
Emmons, Pauline Drabelle .......... Akron
Ewing, Dorothy Marie .......... Akron
Fischer, Dorothy C. .......... Akron
Fox, Jennie .......... Akron
Hemp, Ethel Marie .......... Akron
Hood, Margaret Helen .......... Akron
Hunter, Helen Faye .......... Barberton
Hutz, Eloise Amelia .......... Akron
Joachim, Lucile Charlotte .......... Wadsworth
Jones, Theodore Samuel .......... Akron
Kepp, Haskell Harold .......... Dorset
Keller, Ruth Edna .......... Akron
Klipstein, Edward Emil .......... Akron
Knabe, Leona Ruth .......... Akron
Koester, Lillian Adelia .......... Akron

Men 12; Women 49; Total 61

SOPHOMORE CLASS

Ackley, Stanley .......... Akron
Armstrong, Mildred Blia .......... Akron
Armstrong, Mary Elizabeth .......... Akron
Avery, Virginia Harriet .......... Akron
Bankes, Byron Alston .......... Portage Lakes
Beadle, Helen Margaret .......... Kenmore Station
Bissell, Lillian Bishop .......... Akron
Black, Clara May .......... Akron
Brehm, Madeleine Fay ............ Akron
Barrett, Grace Lucile .............. Akron
Barth, Mae Elizabeth ............ Akron
Bryan, Jesse ......... Akron
Bates, E.P. .................... Akron
Becker, Harry .............. Akron
Baldwin, Ethel Louise ........ Akron
Baker, Elizabeth .......... Akron
Brink, Bernice ............ Akron
Brewer, Anna Louise .......... Akron
Brindle, Florence .......... Akron
Brooks, Eliza ......... Akron
Carlin, Raye ......... Akron
Carr, Alice .................... Akron
Carter, Delma Lucetta ........ Akron
Cassell, Clifford William ....... Akron
Cherryholmes, Eva Priscilla ....... Barberton
Cherone, Kenneth ............. Akron
Cohn, Virginia Weber ........ Akron
Conn, Virginia Monet ........ Akron
Cooper, Alice Margaret ........ Akron
Cook, Homer Theodore ........ Akron
Dall, Henry Jack ............. Akron
Davis, Anna Louise .......... Akron
Deck, Frances Margaret ........ Akron
Din, Viola Carolyn ......... Akron
Dun, Mary .................... Akron
Dickinson, Vivian Mae ......... Peninsula
Dietz, Josephine Helen ......... Akron
Elliot, Elizabeth Iris ........ Cuyahoga Falls
Faust, Charlotte, Edward Albert ... Akron
Frank, Elizabeth Hope ......... Fairlawn
Frederick, Virginia A ........ Akron
Frey, Harold Eugene ........ Akron
Frey, Paul Levy ............. Akron
Goodman, Evelyn Ruth ........ Akron
Griffin, Alice Helen .......... Akron
Griffin, John C ............ Akron
Grosh, Elizabeth Freeman ......... Youngstown
Haim, William ................... Akron
Hammond, Wayne Celian .. Kenmore Station
Heintz, Eleanor May .......... Akron
Hofer, Ethel ................... Akron
Hoffman, Elizabeth Margaret .... Akron
Hull, Wayne Duncan .......... Akron
Hutchinson, John Bernard ... Akron
Jenkins, Iona Mayes ......... Chagrin Falls
Kepler, Elsie .................... Akron
Kepler, Dorothy ............. Akron
Kindig, Ruth Marian .......... Akron
Kregenow, Mignonette ......... Akron
Lackman, William Frederick .... Akron
Lenz, Delma Lucetta ........ Akron
McAuliffe, Mary Madeline ....... Akron
McDowell, Edwin Lincoln ...... Akron
Mahoney, Elizabeth .......... Akron
Mitchell, Marian Elise ......... Akron
Mogul, Julia Eisenberg ......... Canton
Nathan, Albert ................. Akron
Newell, Helen Mae .......... Akron
Palms, Ellen Frances .......... Akron
Parsons, J. Walter .......... Akron
Pearce, Verena Queen .......... Akron
Petersen, Florence Harriet ...... Akron
Petley, Harriet Louise ......... Kenmore Station
Pickett, Jeanne Leone .......... Akron
Pugh, Esther Irene .......... Akron
Rahner, Donna Frances ........ Akron
Redd, Edith ................... Barberton
Reed, Martha .............. Akron
Richards, Sylvia Smith ........ Akron
Rife, Mary Ruth .............. Akron
Rinaldo, Joseph Nicholas ......... Magnolia
Robertson, Alice Euphemia .... Akron
Roeger, Glen W. .............. Akron, R. D.
Russell, Elizabeth Miriam ....... Akron
Saffles, Frances Williams ....... Akron
Schafer, Betsy Marian .......... Akron
Schiller, Florence Jeanette .... Akron
Schultz, Rosalind Pearl ........ Cuyahoga Falls
Schwartz, Celia Helen .......... Cuyahoga Falls
Schwartz, Irene Lillian ......... Akron
Sherer, Ruth Gayle .......... Akron
Sherwood, Coral Gwendolyn ...... Akron
Simpson, Norvis Lavinia ......... Kenmore Station
Sipples, Harold ................... Akron
Smith, Mercedith Mae .......... Akron
Snyder, Margaret Emma ........ Akron
Souers, Gete ................... Akron
Stahl, Katheryne Mary ......... Kenmore Station
Staley, Mary Lucille .......... Akron
Stedman, Virginia Martha ....... Akron
Toharsky, Mollie F ........ Akron
Tremmer, Ruth Marie .......... Akron
Wagner, Lawton Robert ......... Akron
Wals, Marian Margaret .......... Akron
Waughs, Nina Aldene .......... Akron
Wells, Aria And .......... Akron
Wharton, Kathryn Elizabeth .... Akron
Wise, Raymond Shirley .......... Akron
Wood, Vadia Theresa .......... Akron

Men 25; Women 74; Total 99

FRESHMAN CLASS

Allbright, Kathryn Elizabeth .......... Akron
Apel, Doris Jean ................... Akron
Barrett, Mildred May .......... Akron
Bates, Sophia Marie .......... Akron
Belden, Ethel Louise ......... Akron
Bergen, Elizabeth .......... Akron
Bergstrum, Bernice Bower .... .... Akron
Blowers, Virginia .......... Akron
Boyd, Antoinette Laura ........ Akron
Braunstein, Anna .......... Akron

Buntz, Wava Audrene .......... Akron
Burch, Thelma Lucile .......... Akron
Coddington, Mary Lucille ....... Akron
Cogan, Madeline Mary .......... Akron
Corbet, Ruth Mabel .......... Akron
Crane, Lionel Gall .......... Akron
Cunningham, Dortha May ......... Akron
Dobbins, Anna Margarette ....... Akron
Dye, Delores Mary .......... Akron
Ellis, Nina Minnie .......... Akron
Esch, Elta Kathleen .......................... Plumon, Pa.
Pfitzer, Mary Modger ........................ Akron
Pifer, Mary Modger ........................... Akron
Flint, Anna Mae .................. W. Webster, N. Y.
Flinn, Ignatius Joseph ...................... Akron
Flors, Helen Elizabeth ........................ Akron
Fresen, Helen Elizabeth ........................ Akron
Fremont, Margaret ............................ LaRue, R. D. 3
Funk, David Stanley .......................... Newville, Pa.
Gibson, Ruth Elizabeth ...................... Akron
Gillespie, Donald Ewing ........................ Sterling
Goebler, Charles Ralph ........................ Akron
Graham, Lily ..................................... Akron
Gruen, Elvira ................................. Akron
Hale, Mary Louise ............................. Akron
Harding, Wilma Josephine .................... Akron
Harwell, Mary Juliet ......................... Akron
Hawkins, Edna Marie ......................... Akron
Hercules, Catherine Margaret ............... Akron
Huber, Ann Nina ............................... Akron
Irwin, Vera Erma .............................. Canton
Johnson, Edith Victoria ...................... Akron
Jones, Sarah Helen ............................ Akron
Kerle, Alice Ruth ............................. Akron
Kennedy, Pauline Lucille ..................... Akron
Keppel, Mida Betty ............................ Akron
Kirk, Dorothy Elizabeth ...................... Akron
Krohmer, Paul Edgar .......................... Akron
Lloyd, Eleanor Ruth ........................... Akron
Lyden, Margarette Patricia ................... Niles
MacGregor, Elizabeth Emily .................. Akron
Maguire, Ruth Elizabeth ........................ Akron
McKinley, Robert Lyle ........................ Akron
Mascola, Josephine Anna ........................ Akron
McBride, Lucille Marie ........................ Akron
Moore, Nellie Jane ............................ Akron
Morgan, Alice Louisa .......................... Akron
Moye, Donovan Alto ........................... Akron

Oldham, Mary Josephine ..................... Akron
Patton, Ruth Emma ............................ Akron
Plaza, Josephine Agnes ...................... Akron
Plant, Betty Ruth ............................. Akron
Porter, Mary Elizabeth ...................... Akron
Reed, Helen Elizabeth ........................ Akron
Rossi, Anna Marie ............................ Akron
Russell, Henrietta Irene ..................... Akron
Sarchi, Elizabeth Fae ....................... Akron
Schafer, Orie Clifford ........................ Kenmore Station
Sears, Clifford Thomas ....................... Akron
Schenberg, Ada ................................. Akron
Shollenberger, Albert Luther ................ Tyrone, Pa.
Singer, Pauline Pearl ........................ Akron
Smith, Hermann Lewis ........................ Akron
Smith, Lucille Jessie .......................... Warsaw, R. 3
Stetler, Meta Anne ............................ Doylestown
Summerton, Joanita Una ...................... Mt. Vernon
Switzer, Ronald Earl ........................... Akron
Talia, Ids ........................................ Akron
Tapper, Irvin ................................. Akron
Taylor, Virginia Morgan ...................... Akron
Thomas, Marion Gertrude ..................... Akron
Trager, Marjorie Ruth ........................ Akron
True, Della Davis ............................. Detroit
Tyson, Isaac ............................... Akron
Van Dus, Ernestine Ruth ...................... Akron
Van Hoosier, Clyde Owen ..................... Clinton, Ind.
Vaughan, Elizabeth Lawton ................... Akron
Wall, Ruth Elizabeth ........................... Akron
Wallner, Georgena Josephine ................. Akron
Webster, Vashni Edward ...................... Akron
White, Vivian Irene ........................... Barberton
Wigley, Virginia Jean ........................ Akron
Woodburn, Margaret ........................... Akron
Woodlifer, Louise Margaret .................. 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
Total, 3 Men
The evening of students
<table>
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<tr>
<td>Woertz, Anna M.</td>
<td>Worrell, Virginia Mae</td>
<td>Zook, D. B.</td>
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<td>Wolf, D. S.</td>
<td>Wright, Estelle J.</td>
<td>Zuiderhock, P. H.</td>
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<tr>
<td>Wolfe, Edna</td>
<td>Wright, George D.</td>
<td>Zuver, Neva May</td>
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<tr>
<td>Wolfe, J. Emerson</td>
<td>Wright, Helen</td>
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</tbody>
</table>

Men 1074; Women 909; Total 1983
THE UNIVERSITY OF AKRON

1928 SUMMER SESSION

Adams, Jennie Hanson
Adkins, John, Jr.
Alden, Alice
Albertson, Oleta R.
Albright, Georgia Anne
Alexander, Maude Mae
Allen, Isabelle Frances
Allen, Sara Caroline
Alpeter, Katharine Marie
Amer, Francis Joseph
Amer, Josephine R.
Ams, Jennie
Andrews, Ida Elizabeth
Anthony, Lilian Constance
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Adkins, John, Jr.
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Albertson, Oleta R.
REGISTER OF STUDENTS

261


Sugden, John Henri
Sullivan, Ellen F.
Sullivan, Glady's Jackson
Sullivan, Katherine
Sullivan, Marnette Ellen
Sullivan, Nora E.
Sullivan, William C.
Sutherland, Ida
Swanson, Oscar E.
Swartz; Joseph Harold
Swartz, Harold W.
Taylor, Charles Clinton
Taylor, Roberta Marie
Tennisen, Ann Marie
Test, Edna Cleo Moore
Thomas, Daniel
Thomas, George Browning
Thomas, Harold Ray
Thompson, C. Porter
Thompson, Mabel A.
Thompson, Martin Edward
Tidyman, Jack D.
Tolovsky, Mollie
Tompkins, Katherine Elinor
Trageser, Mignon Spence

Trainer, Grace
Tressel, Helen Margaret
Trew, Bessie Duff
Trump, Ruth Aileen
Tschants, Helen Pauline
Upstill, Helen
Van Kirk, Budd
Vermillion, Mrs. Gertrude
Wagner, Lawton Robert
Wallace, Grace
Walter, Florence J.
Walter, Georgena J.
Walter, Mabel Estella
Walter, Mary Margaret
Walter, Merrill Elmer
Ware, Dorothy D.
Webb, Vaughs M.
Weikel, Daniel Webster
Weiss, Max
Wenger, Courtney Harry
Werner, Frank H.
Whalen, Louise J.
Williamson, Odas D.
Wilson, Ethel Louise
Wilson, Gladys Opal

Wilson, Hannah Jane
Wilson, Margaret Isabella
Wilson, Mary Catherine
Wilson, Mary Ellen
Wilson, Carrie Virginia
Windisch, Eva Pauline
Wine, Rose
Withrow, Frank Charles
Wolfe, Edna
Wolfe, David
Wood, Lucile
Woodard, Orrin Jonathan
Woodward, Geraldine
Woodworth, Florence P.
Wooliscraft, Arthur
Work, E. Elizabeth
Workman, Lucille Kieffer
Woodford, DeWitt E.
Wray, George M.
Yates, Doris S.
Yeager, Judd D.
Yost, Claire Ilies
Zeis, Ruth Marie
Zepp, Florence E.
Zimmerer, Alma
Zockline, Sue Winifred

Men 142; Women 407; Total 549
### SUMMARY OF STUDENTS

#### SUMMARY OF STUDENTS IN DAY CLASSES

**BUCHTEL COLLEGE OF LIBERAL ARTS**

<table>
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<tr>
<th></th>
<th>Men</th>
<th>Women</th>
<th>Total</th>
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<tr>
<td>Graduate Students</td>
<td>8</td>
<td>2</td>
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<tr>
<td>Seniors</td>
<td>53</td>
<td>30</td>
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<td>Juniors</td>
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<tr>
<td>Sophomores</td>
<td>71</td>
<td>45</td>
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<td>Freshmen</td>
<td>109</td>
<td>62</td>
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<tr>
<td>Irregular Students</td>
<td>32</td>
<td>14</td>
<td>46</td>
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<tr>
<td>Special Students</td>
<td>8</td>
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**Total** 345 188 533

**CURTIS SCHOOL OF HOME ECONOMICS**

<table>
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<th></th>
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<td>Graduate Students</td>
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<tr>
<td>Seniors</td>
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<td>5</td>
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<tr>
<td>Juniors</td>
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<tr>
<td>Sophomores</td>
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<tr>
<td>Freshmen</td>
<td>6</td>
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<tr>
<td>Irregular Students</td>
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**Total** 22 22

**COLLEGE OF ENGINEERING AND COMMERCE**

<table>
<thead>
<tr>
<th></th>
<th>Men</th>
<th>Women</th>
<th>Total</th>
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<tr>
<td>Graduate Students</td>
<td>1</td>
<td>1</td>
<td>2</td>
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<tr>
<td>Seniors</td>
<td>29</td>
<td>1</td>
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<td>Juniors</td>
<td>42</td>
<td>2</td>
<td>44</td>
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<tr>
<td>Pre-Juniors</td>
<td>31</td>
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<tr>
<td>Sophomores</td>
<td>85</td>
<td>11</td>
<td>96</td>
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<tr>
<td>Freshmen</td>
<td>120</td>
<td>14</td>
<td>134</td>
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<td>Irregular Students</td>
<td>8</td>
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<td></td>
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**Distribution by Departments**

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<tr>
<td>Engineering</td>
<td>228</td>
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<td>229</td>
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<tr>
<td>Commerce and Business Administration</td>
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<tr>
<td>Secretarial Science</td>
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**Total** 349 30 379

**THE TEACHERS COLLEGE**

<table>
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<tr>
<th></th>
<th>Men</th>
<th>Women</th>
<th>Total</th>
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<tr>
<td>Graduate Students</td>
<td>2</td>
<td>16</td>
<td>18</td>
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<td>Seniors</td>
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<tr>
<td>Juniors</td>
<td>12</td>
<td>49</td>
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<td>Sophomores</td>
<td>25</td>
<td>74</td>
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<td>Freshmen</td>
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<td>78</td>
<td>96</td>
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<tr>
<td>Irregular Students</td>
<td>2</td>
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<tr>
<td>Special Students</td>
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**Total** 75 247 322
SUMMARY OF ALL STUDENTS IN THE UNIVERSITY

<table>
<thead>
<tr>
<th>Category</th>
<th>Men</th>
<th>Women</th>
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<tr>
<td>Graduate Students</td>
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<td>20</td>
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<tr>
<td>Seniors</td>
<td>95</td>
<td>66</td>
<td>161</td>
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<tr>
<td>Juniors</td>
<td>118</td>
<td>86</td>
<td>204</td>
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<tr>
<td>Pre-Juniors</td>
<td>51</td>
<td>51</td>
<td>102</td>
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<tr>
<td>Sophomores</td>
<td>181</td>
<td>134</td>
<td>315</td>
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<tr>
<td>Freshmen</td>
<td>247</td>
<td>160</td>
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<td>Irregular Students</td>
<td>42</td>
<td>16</td>
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<tr>
<td>Special Students</td>
<td>24</td>
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<tr>
<td><strong>Total in Day Session</strong></td>
<td>769</td>
<td>487</td>
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<td><strong>Total Evening Session</strong></td>
<td>1074</td>
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<td><strong>Total Summer Session (1928)</strong></td>
<td>142</td>
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<td><strong>Total enrollment</strong></td>
<td>1985</td>
<td>1803</td>
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<td><strong>Less duplications</strong></td>
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<tr>
<td><strong>Total net enrollment</strong></td>
<td></td>
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Total net enrollment reduced to full-time student basis, evaluating five part-time (evening and summer) students 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 Averett
Benjamin Harger Baldwin
Donald Gerst Bishop
Robert Kinclowe 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 Eargate
Earl Roger Gillesland
Dorothy Alice Hamlen
Robert Foot 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
Lestie S. Miller
Thelma M. Mitchell
Esther Naooi Mosher
Norma Ruth Olin
Marie Louise Otis
Harold Dean Parker
Leland Haymond Plant
Louise Plotkin
Charles T. Rhoderbaugh
Clyde Emery Ross
Mareta Grace Schiller
Norman Smith
John Patrick Sullivan
Jerome Taylor
Katherine Ann Tobin
Mary Grace Trainer
Elizabeth Wessel
Robert Clark Whittemore
Arthur Frost Williams
Ralph Charles Williams
Florence Elizabeth Zepk

BACHELOR OF SCIENCE

Carl Werner Brodt
Jesse Lewis Crankshaw
Arthur Dobkin
Beulah Idona Everhard
William Evkovich
Clifford W. Kaufman
Donald Edward Leonard
Thomas Scott Moore
Raymond Nethers
Robert Clarence Nichols
William Earl Stewart

MASTER OF SCIENCE

Otis D. Cole

CURTIS SCHOOL OF HOME ECONOMICS

BACHELOR OF SCIENCE IN HOME ECONOMICS

Wildred Frances Baughman
Irena Mae 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 Delargrange
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 Elisabeth 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 Sergent Barnhardt
Mary Kathryn Beck
Katharine Virginia Beckwith
Helen Precious Blackburn
A. Lucile Boylan
Rena Nancy Cable
Auten Randolph Chambers
Ruth Eda Crankshaw
Elizabeth J. Dettig
Marguerite Hudson Dilley
Ann Freedmae
Violet Elizabeth Glass
Wilma Pauline Glass
Elizabeth Ellen Hackett
Freda Mae Harris
Hilda Edgard Evelyn Hein
Josephine Ruth Hickox
Neva Fay Holman
Bess J. Householder
Pauline Elizabeth Kaiser
Marion E. Kiecker
Elsie Ellen Kuhme
Thelma Marie Lambert
Laura Almeta Leeper
Bessie Lieberman
Walker Conrad Lippis
Robert George Long
Enid Dean McCormick
Anna Elizabeth McDowell
Janie Loudell McLaney
Iona Fay Maxwell
Emma Barber Monroe
Helen Hauser Nye
Harrriet J. Parker
Marilla Amelia Parker
Mary Margaret Plante
Ruth Wanda Price
Katherine Pritchard
Pauline Harriet Purdy
Jane Reese
Paul Ulysses Richert
Pauline A. Roberts
Pay Marion Roush
Hazel Belle Sellers
Cheryll Mildred Short
Mardc Boyle Smart
Edward Leland Smith
Harry Arthur Smith
Helen Janet Sullivan
Rose Cecilia Tapper
Katherine Mary Thatcher
Dorothy Quinlan WaldoSmith
Frank George Wargo
Eastott Wright

MASTER OF ARTS IN EDUCATION

Honor Myers Ault
Lois Bernadine Barrett
Dorothy Alice Burge
Frank Carroll Easter
Robert Harry Harper
Dorothy Ann Hassenschue
Berkley Jenkins
Pansy Staley Kincaid
Robert Floyd Neuworth
Ruth Wrbb Seymour
Clarence Hall Vincent
R. Florence Woodcii
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
Ideo Christensen
Marie Galloway
Esther Hardy
Virginia Garn Leigh
Sara Mae McLaney
Elizabeth Reining
Rose Rosenberg
Anna Simpson
Myrtle Somerfeld
Marie Volk

TWO-YEAR ELEMENTARY

Mrs. Lucile Adamson
Sara Geraldine Allen
Betty Barter
Ethe1 Barnes
Violet Blaser
Frances Bricker
Sula Page Clements
Mildred Curry
Mary Fischer
Bessie Gles
Dorothea Hagle
Katharine E. Haskett
Thelma Hoffinan
Grace E. Ior
Nannie Washington Moore
Bernice O'msted
Russell J. Otto
Grace Miller Putnam
Juanita Quillen
Rebecca Ramsey
Olive Seacrest
Laura Parne Sinor
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 Guenther, 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 30 — Mayor C. Lloyd Weil, "The Place of the Municipal University in the City's Educational Program."

April 3 — Sophomore Ashton Contest.

April 13 — President George F. Zook, "The New University Project."

April 27 — Mr. A. T. Kingsbury, "Hawaii."

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."

May 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 16 — Mr. Jehan Warlicker, an Indian Prince, "India."

November 23 — Dr. N. 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 15, 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. BUCHTEL 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:


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 Blerman, 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."
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.

Term Expires June, 1932
J. Clarence Frank, '99.
Miss Marion Voris, '14.
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.
Pittsburgh—President, Mrs. John Parsons, '97, 640 Pitscairn 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 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, 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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