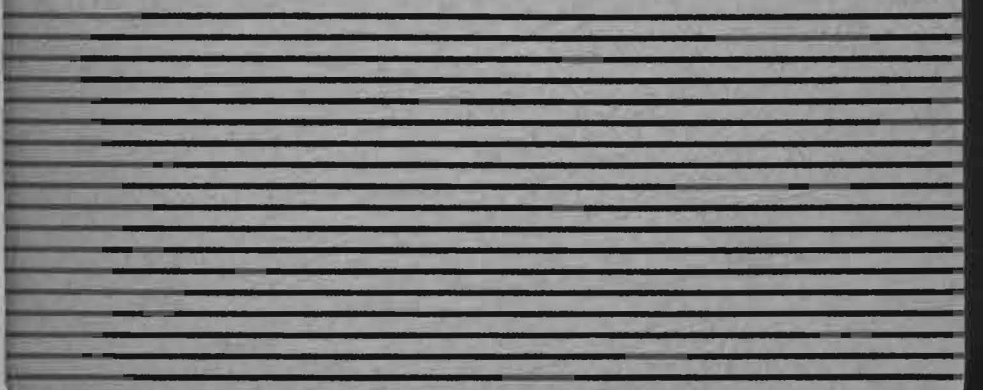




**Youngstown
.. College ..
1939 - 1940**





Youngstown College

BULLETIN

Catalog Number for the Year
1939-1940

Co-Educational

410 Wick Avenue
YOUNGSTOWN, OHIO

DEGREES OFFERED

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education

Bachelor of Laws

YOUNGSTOWN COLLEGE
LIBRARY

58638

COLLEGE CALENDAR

College of Arts and Sciences

1939

September	9	Final registration for Freshmen.
September	12	Final registration for Upper Classmen.
September	13	Class work begins.
November	28	Thanksgiving holiday begins, 10:00 P. M.
December	4	Thanksgiving holiday ends, 8:00 A. M.
December	16	Christmas vacation begins, 12 Noon.

1940

January	2	Christmas vacation ends, 8:00 A. M.
January	27	First semester ends, 12 Noon.
January	29	Second semester begins, 8:00 A. M.
March	16	Easter vacation begins 12 Noon.
March	25	Easter vacation ends, 8:00 A. M.
May	17	May Day.
May	30	Memorial Day; a holiday.
June	2	Baccalaureate Service.
June	6	Second semester ends.
June	7	Commencement.
June	8	Alumni Day.
June	17	Summer Session begins.

School of Law

1939

September	21-22	Registration.
September	26	Fall Quarter begins.
December	15	Fall Quarter ends.

1940

January	2	Winter Quarter begins.
March	22	Winter Quarter ends.
March	26	Spring Quarter begins.
June	14	Spring Quarter ends.
June	2	Summer Quarter begins.
September	20	Summer Quarter ends.

BOARD OF GOVERNORS

James L. Wick, Jr.	Chairman President, Falcon Bronze Company
W. E. Bliss	Vice-Chairman Vice-President, Standard Slag Company
J. C. Argetsinger	Vice-Chairman Vice-President, General Counsel, and Secretary, Youngstown Sheet and Tube Company
N. B. Folsom	Recording Secretary Trust Officer, Mahoning National Bank
J. C. Barrett	Carnegie-Illinois Steel Corpora- tion (Retired)
R. M. Bell	Secretary and Treasurer, Gen- eral Fireproofing Company
Dr. W. H. Bunn	Physician
Joseph G. Butler, III	Butler, Wick, and Company
Sidney J. Collins	Clark and Collins, Certified Public Accountants
Oscar F. Gayton	Mutual Life Insurance Com- pany of New York
George H. Gessner	Judge, Common Pleas Court
W. B. Gillies	Vice - President, Youngstown Sheet and Tube Company
Hugh Grant	Treasurer, Struthers Iron and Steel Company
Roy L. Leventry	District Manager, Youngstown District, Republic Steel Cor- poration
Harry Levinson	Jeweler
Donald Lynn	Attorney, Harrington, Huxley, and Smith

BOARD OF GOVERNORS

W. C. McKain	McKain, Ohl, and Swanner
J. Russell McKay	Vice-President and Attorney, Home Savings and Loan Company
William F. Maag	Editor and Publisher, The Youngstown Vindicator
Hugh Manchester	Manchester, Ford, Bennett, and Powers
Thomas H. Murray	Secretary and Treasurer, Heller- Murray Company
Franklin B. Powers	Manchester, Ford, Bennett, and Powers
C. Snelling Robinson	Vice-President, Youngstown Sheet and Tube Company
John R. Rowland	President, Mahoning National Bank
Philip Schaff	President, Morris Plan Bank
Clarence J. Strouss	President, Strouss-Hirshberg Company
C. W. Sumner	Librarian, Youngstown Public Library
Martin Tod	Civil Engineer
E. E. Tross	General Superintendent, United Engineering and Foundry Company
Herbert S. Warwick	Water Works Division, Youngs- town Sheet and Tube Com- pany
Verne J. Wilson	President, Union National Bank
R. J. Wysor	President, Republic Steel Cor- poration

Judge J. Eugene Bennett—President of The Young Men's Christian Association, ex-officio.

Paul B. Davies—General Secretary of The Young Men's Christian Association, ex-officio.

EXECUTIVE COMMITTEE

- James L. Wick, Jr. _____ Chairman
President, Falcon Bronze Company
- J. C. Argetsinger Vice-President, General Counsel, and Secretary, Youngstown Sheet and Tube Company
- Dr. W. H. Bunn Physician
- Joseph G. Butler, III Butler, Wick, and Company
- Sidney J. Collins Clark and Collins, Certified Public Accountants
- George H. Gessner Judge, Common Pleas Court
- William F. Maag Editor and Publisher, The Youngstown Vindicator
- Franklin B. Powers Manchester, Ford, Bennett, and Powers
- C. Snelling Robinson Vice-President, Youngstown Sheet and Tube Company
- Clarence J. Strouss President, Strouss-Hirshberg Company

Judge J. Eugene Bennett—President of The Young Men's Christian Association, ex-officio.

Paul B. Davies—General Secretary of The Young Men's Christian Association, ex-officio.

OFFICERS OF ADMINISTRATION

Howard W. Jones, A. M.	President
George M. Wilcox, Ph. D.	Dean
Catherine Berg Semans, A. M.	Dean of Women
Judge George H. Gessner, LL. B.	Dean of Law
Charles F. Axtmann, M. S.	Dean of Business Administration
Philip P. Buchanan, M. Ed.	Registrar
P. Calvin Pickard, A. B.	Business Manager
Freda R. Flint, A. B.	Publicity Director
Maurine Brunner, A. M.	Librarian
Wanda Sporer, A. B.	Secretary to the President
Mrs. Helen Lyon	Cashier
Carolyn Higgins, A. B.	Assistant Registrar
Marguerite Friedrich, A. B.	Associate Publicity Director
Anna Monahan, A. B.	Assistant Librarian
Marion Smith, A. B.	Office Secretary
Stella Cassano, A. B.	Secretary to the Dean

FACULTY

College of Arts and Sciences

- Howard W. Jones, A. M.-----President
A. B., Hiram College
A. M., Western Reserve University
- John Allison, A. B.-----Business Administration
A. B., Youngstown College
- John W. Bare, A. M.-----Psychology
A. B., Ohio Wesleyan University
A. M., Ohio Wesleyan University
- Eugene C. Beach, B. D.*-----Bible
A. B., Eureka College
B. D., Garrett School of Theology, Northwestern
University
- Dwight V. Beede, B. S.-----Physical Education
B. S., Carnegie Institute of Technology
- Karl H. Benkner, M. E.*-----German
M. E., Military Technical Academy, Charlottenburg,
Germany
- George A. Bretz, B. Mus.-----Music
B. Mus., Dana Musical Institute
Pupil of Beryl Rubenstein, Cleveland Institute of Music
Graduate Work, Carnegie Institute of Technology
- Catherine M. Bridgham, Ph. D.-----Chemistry
B. S., University of Michigan
Ph. D., University of Pittsburgh
- Russell G. Bunn, A. B.-----Speech
A. B., Hiram College
School of Expression, Boston
Graduate Work, Columbia University
- Harold N. Burt, B. D.-----Philosophy
B. S., University of Pennsylvania
B. D., Union Theological Seminary
Graduate Work, Columbia University, University of
Berlin, Yale University, and University of Munich

FACULTY

- Clarence M. Carhart, B. S.* Mathematics
 B. S., Ohio Northern University
- Frieda F. Chapman, A. M. Elementary Education
 B. S., Ohio University
 A. M., Ohio State University
- Denton T. Doll, B. S. Mathematics
 B. S., Case School of Applied Science
 Graduate Work, Case School of Applied Science and
 Western Reserve University
- Christine Rhoades Dykema, A. B.* French
 A. B., Barnard College of Columbia University
 Diploma D'Etudes de Civilisation Francaise and
 Degre Superieur, Universite de Paris, France
- Karl W. Dykema, A. M. English
 A. B., Columbia University
 A. M., Columbia University
- Margaret Evans, B. S. Art
 B. S., University of Chicago
 Pupil of Arthur Dow, of Columbia, and Walter Sar-
 gent, of Chicago
 Graduate Work, Columbia University
- D. H. Fairfield, B. P. E.* Physical Education and Hygiene
 B. P. E., George Williams College
 Graduate Work, George Williams College
- Castle W. Foard, Ph. D. Mathematics and Physics
 A. B., University of Wichita
 M. S., University of Kentucky
 Ph. D., University of Iowa
- Kathryn T. Guarnieri, M. Mus.* Voice
 B. Mus., Dana Musical Institute
 Fellow, M. Mus., Dana Musical Institute
 Pupil of Enrichetta Lupi-Bosisio, Genoa, Italy; Theo-
 dore Bjorkstein, Paris, France; Oscar Saenger, Jacques
 Coini, Frank LaForge, New York City
- Arnold Hoffman, A. M.* Public School Music
 B. S. in Ed., Miami University
 A. M., Ohio State University
 Graduate Work, Cincinnati Conservatory of Music

YOUNGSTOWN COLLEGE

- Ceylon Hollingsworth* Fine Arts
Pupil of William M. Chase, New York City
- Ward B. Jenks, A. M.* Speech
Ph. B., Brown University
A. M., University of Chicago
- Harry Joyce* Woodwind Instruments
Chicago Conservatory of Music
Pupil of Donald Bassett, Dayton; Anton Quitsow,
Chicago, and Fred Von Amberg, New York City
- Ralph Kircher* Engineering Drawing
Fenn College
- Randall Leyshon, A. B. Physical Education
A. B., Youngstown College
- Frederick B. McAllister, D. D.* Bible
A. B., Bucknell University
B. D., Colgate-Rochester Divinity School
D. D., Northern Baptist Theological Seminary
- John A. McCorkle, A. M. Social Science
A. B., Oberlin College
A. M., Princeton University
- Edith Johnson McKissock, A. M.* English
A. B., Akron University
A. M., Akron University
Graduate Work, Akron University
- D. Roy Mellon, B. S.* Chemistry
B. S., Allegheny College
LL. B., Youngstown College
Graduate Work, Ohio State University
- Byron W. Mottinger, E. E. Engineering
B. S., Case School of Applied Science
E. E., Case School of Applied Science
- Alvin Myerovich Violin
Pupil of Sascha Jakobinoﬀ and Albert Meioﬀ, Curtis
Institute of Music, Philadelphia; Andre de Ribeau-
pierre, Louis Persinger, and Joseph Fuchs, Cleveland
Institute of Music; Graduate of Cleveland Institute of
Music
- Wilbur Nichol* Engineering Drawing
Youngstown College

FACULTY

- P. Calvin Pickard, A. B. _____ Business Administration
 A. B., Ohio University
- O. L. Reid, A. M. _____ English
 A. B., Indiana University
 A. M., New York University
 LL. B., University of Louisville
- Leonard T. Richardson, Ph. D. _____ Modern Language
 A. B., Aurora College
 A. M., University of Chicago
 Docteur de l'Universite de Grenoble, France
- P. J. Ross, Jr., A. M.* _____ Political Science
 A. B., Kentucky Wesleyan
 A. M., University of Kentucky
- Theresa Scarnecchia, M. Ed.* _____ Italian
 A. B., Youngstown College
 M. Ed., University of Pittsburgh
 Graduate, National School of Expression
- Eugene Dodd Scudder, Ph. D. _____ Chemistry
 A. B., Indiana University
 A. M., Indiana University
 Ph. D., Indiana University
- Catherine Berg Semans, A. M. _____ Psychology
 A. B., Ohio State University
 A. M., Ohio State University
- Frank M. Semans, Ph. D. _____ Biology
 A. B., Ohio State University
 A. M., Ohio State University
 Ph. D., Ohio State University
- Joseph Earle Smith, Ph. D. _____ Social Science
 A. B., Oxford University, England
 A. M., University of Nebraska
 Ph. D., Wallas College, London
- Henry V. Stearns, D. Ped. _____ Music
 B. Mus., American Conservatory of Music
 F. A. G. O.
 D. Ped., Cincinnati Conservatory of Music

YOUNGSTOWN COLLEGE

- Raymond Sweeney, Jr., A. B.* Physical Education
 A. B., Westminster College
- James W. Tidd, A. M.* History
 B. S., Kent State University
 A. M., Ohio State University
- H. Lindley Vickers, M. S.* Biology
 B. S., Denison University
 M. S., Denison University
 Graduate Work, Ohio State University and Lake Laboratory, Put-in-Bay
- Willard L. Webster, B. S. Physical Education
 B. S., Geneva College
 Graduate Work, University of Pittsburgh
- H. C. Welch, B. S.* Mathematics
 B. S., Syracuse University
- Ruth P. Whittington, B. S.* Physical Education
 B. S., New York University
 Central School of Physical Education
 Graduate Work, New York University
- George M. Wilcox, Ph. D. Education
 A. B., Cornell College
 A. M., State University of Iowa
 Ph. D., Columbia University
- Guy Wright, A. B.* History
 B. S., New Lyme Institute
 A. B., Thiel College
- William H. Bunn, M. D., F. A. C. P. Lecturer in Biology
 Wooster College
 M. D., Jefferson Medical College
 Post-Graduate Work, Sir James MacKenzie Institute for
 Clinical Research, St. Andrews, Scotland

*Instructors not carrying full teaching load.

FACULTY

School of Business Administration

- Charles F. Axtmann, M. S. Business Administration
B. S., Syracuse University
Pd. B., Syracuse University
M. S., Syracuse University
- John R. Bell, M. Ed. Accounting
Ph. B., Bucknell University
M. Ed., University of Pittsburgh
- Paul H. Bolton Advertising
New York University
- Arthur L. Carter, LL. B. Business Law
A. B., Muskingum College
LL. B., Youngstown College
- William Cowan, B. C. S. Insurance
B. C. S., Youngstown College
Bucknell University
- Roy R. Fellers, LL. B. Public Speaking
A. B., University of Michigan
LL. B., Youngstown College
- George K. Fried, A. B. Business Administration
A. B., Pennsylvania State College
- Elmer Hykes, B. S. Accounting
A. B., Bliss College
B. S., Bliss College
Graduate Work, Denver University
and Ohio State University
- O. L. Pfau, A. B. Credits and Collections
A. B., Wooster College
- John Wampler, B. Ed. Accounting
B. C. S., Youngstown College
B. Ed., Shippensburg State Normal College

YOUNGSTOWN COLLEGE

School of Law

Judge George H. Gessner, LL. B.
LL. B., Western Reserve University

Henry C. Church, LL. B.
LL. B., Baldwin-Wallace College

Raymond Falls, A. B., LL. B.
A. B., Thiel College
LL. B., Western Reserve University

John Q. T. Ford, A. B., LL. B.
A. B., Georgetown College
LL. B., Harvard University

John W. Ford, A. M., LL. B.
A. B., Yale University
A. M., Harvard University
LL. B., Harvard University

Judge Erskine Maiden, Jr., A. B.
A. B., Harvard University
Harvard Law School
Western Reserve Law School

J. Howard Pitts, A. B., LL. B.
A. B., Hobart College
LL. B., Cornell University

Richard Wills, A. B., LL. B.
A. B., Yale University
LL. B., Yale University

Knowles Wyatt, B. S., LL. B.
B. S., Muskingum College
LL. B., Youngstown College

FACULTY COMMITTEES

Academic Standards Committee—Mr. Semans, chairman; Mr. Bare, Mrs. Bridgham, Mr. Doll, Mr. Dykema, Mr. Foard, Mr. Richardson, Mr. Scudder, Mrs. Semans, Mr. Smith, Mr. Wilcox.

Athletic Board—Mr. Foard, chairman; Mr. Fairfield, Mr. Doll.

Catalog—Miss Flint, chairman; Mr. Smith, Mr. Bare, Mr. Reid.

Chapel and Religious Activities—Mr. Stearns, chairman; Mrs. Semans, Mr. Bare.

Commencement—Mr. Foard, chairman; Mr. Stearns.

Coordination—Mr. Burt, Mr. Bunn, co-chairmen; Mr. Axtmann, Mr. Foard, Miss Evans, Mr. Doll, Mr. Scudder, Mrs. Semans, Mr. Stearns, Mr. Wilcox, Mr. Pickard.

Credits and Admission—Mr. Buchanan, chairman; Mr. Wilcox, Mr. Semans.

Curriculum—Mr. Scudder, chairman; Mr. Burt, Mr. Reid, Mr. Wilcox, Mr. Foard, Mr. Smith.

Discipline—Mrs. Semans, Mr. Wilcox.

Executive Committee—Mr. Wilcox, chairman; Mrs. Semans, Mr. Smith, Mr. Scudder.

Faculty-Student Relations—Mr. Doll, chairman; Mr. Scudder, Mr. Pickard.

Library—Mr. Smith, chairman; Mr. Richardson, Mr. Reid.

Pre-Medical Science—Mr. Semans, chairman; Mrs. Bridgham, Mr. Scudder.

Social Activities—Mr. Doll, chairman; Mr. Burt, Mr. Bunn, Mrs. Bridgham.

Note—The President is ex-officio a member of all committees.

OBJECTIVES OF YOUNGSTOWN COLLEGE

Youngstown College attempts to meet those educational needs of the local community which are not otherwise provided for. This effort has resulted in the development of:

A. Courses leading to the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Science in Education, and Bachelor of Laws.

B. An adult education program with late afternoon and evening classes in cultural and vocational subjects including business, engineering, teacher training, and law.

The program focuses upon the development of the capacities of the individual student along the threefold lines of intellectual and cultural interests, moral integrity, and vocational competency. To achieve these ends, the college seeks to provide:

A. An understanding and practice of the habits of physical health and hygienic living.

B. A personnel service that will assist the individual in discovering special interests and abilities, and how these may be best utilized.

C. A sound philosophy of life which includes:

1. An appreciation of those intellectual, moral, religious, and aesthetic values which make life satisfying.

2. An intelligent understanding of one's self in relation to others, leading to standards of rational conduct and discipline derived from within rather than from external authority.

3. Stability and integrity of character, arising from sound principles and a sustaining religious faith, regardless of church affiliations.

OBJECTIVES OF YOUNGSTOWN COLLEGE

- D. A broad, liberal and cultural education which includes:
1. Habits of free inquiry, exact observation, and a love of truth.
 2. A taste for good reading, familiarity with the general content of the various fields of knowledge, and rigorous discipline in some chosen field.
 3. Ability to express one's self clearly and forcefully.
- E. A practical acquaintance with professional and pre-professional techniques, and a training in the techniques employed in the business world.

HISTORICAL SKETCH

The Board of Trustees of the Youngstown Young Men's Christian Association founded in 1888 The Youngstown Association School, offering men and boys evening classes in numerous unrelated courses. In 1908 the Law School was opened with a class of nine. This developed until complete preparation was offered for the bar examination and subsequent practice of law. In 1920 the State of Ohio gave the Law School the right to grant the degree of Bachelor of Laws, and the Law School became a member of the Ohio League of Law Colleges.

The full four-year course in business administration was offered for the first time in 1920. A year later the name, The Youngstown Association School, was changed to The Youngstown Institute of Technology. In the fall of the same year the first liberal arts courses were given in the evenings, with professors from nearby colleges teaching the classes, now of women as well as of men. In 1927 the steady demand and growth in numbers brought about the establishment of a Day College of Liberal Arts, and The Youngstown Institute of Technology became Youngstown College. At this time high school graduates as entrants began to outnumber the evening adult students. By permission of the State Department of Education in 1930, Youngstown College was authorized to grant the degree of Bachelor of Arts to its June graduating class.

During this growth the school has been moved four times: first from the third floor of the Central Y. M. C. A. Building to the Bonnell residence at 315 Wick Avenue; next to the John C. Wick home at 410 Wick Avenue; then to the Henry Wick home at 416 Wick Avenue, and finally on October 1, 1931, to its present location in the new college building. During the past year the Henry Wick estate adjoining the college grounds on the north has been purchased by the college and will be used for the School of Business.

In 1933 Youngstown College was fully accredited by the State Department of Education for the training of high school teachers and complete preparation for this training was offered.

HISTORICAL SKETCH

Youngstown College is controlled by a Board of Governors, appointed by the Board of Trustees of the Young Men's Christian Association, who are representative men in various industries and professions, and who are looking toward an even greater growth for the school.

GENERAL INFORMATION

Buildings

The main college building is a beautiful structure of Indiana limestone at the corner of Wick and Lincoln Avenues. Immediately north on the campus is the Henry Wick residence, used by the School of Business. To the north is the Butler Art Gallery, now used by the Art department of the college. Within three blocks, south and east, are the Central Y. M. C. A. and Y. W. C. A. buildings. The Public Library is also close by.

Library

The library contains 13,800 books and 206 magazines. The law library contains 4,150 books. The main collection is growing at the rate of about 3,000 volumes a year. During the past year it has been supplemented by several fine gifts and funds raised by The Friends of the College Library.

The Friends of the College Library was organized in 1938 by the College Club, which is the local chapter of the American Association of University Women. This group has assumed the responsibility for raising a fund of \$50,000 over a ten-year period.

Musical and Cultural Advantages

Students at Youngstown College have unusual opportunities for hearing a wide range of the best in music. Not only are there the recitals by faculty and students, the free organ recitals at Stambaugh Auditorium under the auspices of the American Guild of Organists, and the concerts by the Youngstown Symphony Orchestra, but each year the Monday Musical Club brings to Youngstown a number of the world's great musical artists in concert. The cost of these concerts is easily within reach of all students.

GENERAL INFORMATION

The College Year

The college year is divided into two semesters of eighteen weeks each. School is in session five days and evenings a week. The courses are so arranged that students graduating from high school in January and wishing to enter college at that time may work out a satisfactory schedule for the second semester. It is possible to shorten the course by attending the summer session.

The *School of Law* operates on the quarter plan. The quarters are designated as Summer, Fall, Winter, and Spring. Four quarters constitute the year's work.

Evening Classes

Youngstown College offers an evening schedule enabling employed men and women to attend classes after working hours. Evening courses give the same credit toward degrees as those offered during the day.

Summer Session

Youngstown College holds a summer session of nine weeks each summer. Courses are offered in science, education, English, modern language, mathematics, philosophy, psychology, history, economics, political science, sociology, and engineering. Both day and evening classes are available. A student may complete nine semester hours of credit.

Locker Service

Lockers are provided for students without charge, and students are responsible for their own property.

COLLEGE ACTIVITIES

The college aims to foster student participation in various extracurricular activities, such as, athletics, debating, and music. However, since the scholastic standing of the student must always take precedence over the extracurricular activities, the administration deems it wise to limit the participation in other activities to students whose point index for scholastic standing is above 1.5.

Student Council

Representative students of the college are organized under the name of the Student Council of Youngstown College. This council operates under a constitution and has general oversight of all student activities. It cooperates with the various special student organizations and makes recommendations to the faculty regarding such matters as seem to affect the welfare of the college. The council consists of ten members and a president elected by the student body, and one faculty representative selected by the administration.

Athletics

The physical development of the student is promoted by means of courses in physical education, intramural activities, and intercollegiate competition.

The purpose of physical education and intramural activities is to enlist and hold the interest of the entire student body in the active participation in games of skill and pleasure. Stress is placed upon those games which can be played after the student leaves college, such as, volleyball, handball, table tennis, basketball, tennis, swimming, etc. For those students who excel in athletics, intercollegiate competition in basketball, football, and tennis is provided.

The excellent facilities of the Youngstown Y. M. C. A. and the Y. W. C. A. are at the disposal of the students of the college for this program.

The Mimes

The Mimes, organized in 1927-1928, is composed of students interested in the study and presentation of modern dramatic forms. Membership is limited to those who show continued interest and willingness to work. Plays are produced throughout the school year, and students gain valuable experience in dramatic work.

Musical Organizations

Various musical activities are encouraged and supported by the college. Frequent recitals during the year provide an opportunity for training in public performance that is invaluable to the young musician.

The Marching Band consists of fifty or more men students who play for football games and many other school functions.

The Chapel Choir is a group of about twenty-five men and women chosen for their vocal and musical ability. The choir gives several public performances each year and sings at each college chapel service.

The College Orchestra was organized to provide an opportunity for musical growth and development for all students who are interested. The orchestra provides music for many college functions and concerts.

Student Publications

The Neon is the College Annual published by students elected to the Neon staff. The editors are usually seniors but the other offices are filled by other classmen. This publication gives students training in copy, layout, and other similar work. Experience is had in advertising, financing, and securing subscriptions.

The Jambar is a biweekly college newspaper, put out by the Jambar staff who are chosen or appointed from the student body. Students interested in journalism can secure opportunities to serve on the staff to gain actual experience in this field. The paper is supported partly by the student activity fund and partly by its advertising matter.

Honor Point System

The Honor Point System of Youngstown College was initiated by the Student Council and after some changes was unanimously adopted by the faculty with the end in view of recognizing not only scholastic attainments but extracurricular activities as well. Students attaining thirty honor points are eligible to be placed on the honor roll. The three students earning the largest number of points each year will receive a pearl-studded pin with the letters "Y. C.," the official emblem of the college.

Eligibility to the honor roll includes the points made both in scholastic and extracurricular activities and no student shall be considered eligible for a pin who has not achieved the majority of his points in scholarship.

College Organizations

Athletic Board	Newman Club
Band	Obelisk Club
Chapel Choir	Open Road Club
Debate Club	Orchestra
Gessner Law Club	Radio Club
Interfraternity Council	Student Council
International Relations Club	The Mimes
Le Cercle Francais	Varsity Club
Mathematics Society	Women's Athletic Association
Music Club	

PROFESSIONAL AND HONORARY FRATERNITIES

Delta Epsilon	Phi Epsilon
Omicron Lambda	Sigma Tau Delta

SOCIAL FRATERNITIES

Alpha Theta Delta	Phi Lambda Delta
Gamma Sigma	Phi Sigma Epsilon
Phi Gamma	Sigma Delta Beta
Phi Kappa Delta	Sigma Kappa Phi

THE COOPERATIVE PLAN

The enrollment by Youngstown College of students on the cooperative plan of education in the departments of business administration and engineering began in September, 1937. A definite economic and educational need calls for the introduction of this plan in Youngstown. While new at Youngstown College the cooperative plan has been tested for over thirty years and has proved its merits. It combines practical work with liberal education and gives the student experience under supervision and guidance. On the other hand the employer gets the service of intelligent, ambitious young people, who grow in value in terms of the scholastic training and business or technical experience that they receive.

Youngstown College is ideally located for the successful operation of a cooperative school in that one of the necessary requirements is that a college be located in or near an industrial center. Already leading industries and business firms of Youngstown have indicated their intentions of working with the college in this new venture.

How the Cooperative Plan Works

Under this plan students who are accepted for cooperative training are given a thorough course of class room instruction for the first two years. During this period they are sounded out as to their desires, guided in their thinking, and tested as to their fitness for various kinds of work. At the end of the sophomore year students divide their time between college and work in their chosen fields.

Although the college cannot make any guarantees as to positions because of the uncertainties in business conditions and other factors beyond control, every possible effort will be made to place the students in suitable positions. *Students who enter with advanced standing must complete satisfactorily one year of work at Youngstown College before they will be recommended for positions.* During the work period students will be under the guidance and supervision of the college. The work

is correlated with the curriculum in order that the student may see the practical meaning of his class room work and may learn to apply the theories to practical problems.

How the Cooperative Plan Benefits the Student

The student learns the important lessons of meeting and getting along with people at work.

He gains experience in applying the theories learned in school.

He has an opportunity actually to work in his chosen field and to determine whether or not he is adapted to it and interested in it, before he completes his college course.

After the first two years in school the cooperative student is enabled through his work to earn a large part of his expenses.

At the end of the training period the employee is known to the employer and may be fitted permanently into the organization where he has received his practice.

REGISTRATION AND CLASSIFICATION

Registration

The office of the registrar is located on the main floor, and is open from 8:30 A. M. until 8:30 P. M. every day, with the exception of Saturday, when it closes at noon. Every student must register at the beginning of each semester, and early registration is required so that there may be no delay in beginning classes. A fee of \$2.00 will be paid by all students who register late.

Fifteen hours is the normal schedule. No freshman may carry more than fifteen hours of academic work except in cases where the nature of the work may require some adjustment in order to complete the schedule, in which case a maximum of sixteen hours may be allowed. A reduction may be made by the deans immediately after registration in the academic loads of students whose high school and college intelligence test records show that they are incapable of carrying the normal amount of work. Advanced students, depending upon their past record, may petition the faculty for permission to carry additional hours not to exceed a total of eighteen.

Any student who wishes to change his schedule of classes after registration by dropping a course, adding a course, or substituting one course for another, must fill out the change of registration form and have it properly approved by the instructor and dean. Otherwise a mark of failure is recorded for the course dropped.

No student will be permitted to drop a course after the first six weeks of the semester except by request of the dean on behalf of the student.

Requirements for Admission

All candidates for admission to the college are expected to furnish satisfactory evidence of good character. The filing of a formal application on blanks furnished by the college is required.

Graduates of a first grade high school or an accredited secondary school will be admitted to Youngstown College upon presentation of a satisfactory official transcript of the high school credits.

YOUNGSTOWN COLLEGE

The entering student who is in the lower third of his high school class will be required to take psychological tests before his application for admission will be acted upon and will be on probation until he has demonstrated his ability to do college work.

All entrance deficiencies must be made up before a student may register for the sophomore year. Deficiencies in foreign language and laboratory science may be made up by taking appropriate courses in college without credit toward the degree. One semester of work in college is equivalent to one year in high school.

Application for admission and filing of a statement of high school credits should be made as soon after graduation from high school as possible.

REQUIREMENTS FOR ADMISSION TO THE COURSES LEADING TO THE BACHELOR OF SCIENCE AND BACHELOR OF ARTS DEGREES:

English	3 units
United States History and Civics.....	1 unit
Algebra	1 unit
Geometry	1 unit
Laboratory Science	1 unit
Foreign Language	2 units
Acceptable Electives	7 units

One year of chemistry and one year of biology is necessary before entering The Youngstown Hospital Training School for Nurses. Consequently, students enrolling for the pre-nursing course, which is offered in cooperation with The Youngstown Hospital Training School, must meet these requirements.

REQUIREMENTS FOR ADMISSION TO THE COURSE LEADING TO THE BACHELOR OF SCIENCE IN EDUCATION DEGREE:

English	3 units
History and Civics.....	1 unit
Algebra or Geometry.....	1 unit
Science	1 unit
Acceptable Electives.....	10 units

REGISTRATION AND CLASSIFICATION

ADMISSION TO ADVANCED STANDING

Students from other colleges are required to present a complete transcript of all work taken in that college and a statement of all high school work taken. In each case the applicant must present a letter of honorable dismissal from the school last attended.

ADMISSION TO THE LAW SCHOOL

Freshmen entering the Law School will be required to submit sixty semester hours credit in a liberal arts college to satisfy admission requirements.

Classification of Students

Students are classified as regular, special, or irregular students.

Regular Students are those who have been graduated from an accredited high school and who carry the normal amount of work. Students allowed to enter with a condition may be classed as regular students if they carry full work, but will be required to make up entrance deficiencies before enrolling for the sophomore year.

Special Students are those who are not high school graduates, but who because of maturity are allowed to pursue college work. Thus, a limited number of students whose credits may not be accepted toward a degree, may be cared for each year as special students.

Irregular Students are those who are high school graduates, but who are carrying less than a normal load. Evening students, while irregular in this sense, are classed separately because they constitute a large group.

GRADE REQUIREMENTS

Scholastic Point System

The passing grades give points as follows: A, 3 points per hour; B, 2 points per hour; C, 1 point per hour; D, no point. The point index is the basis of computing averages, and represents the average number of points per hour earned by the student for a given semester or number of semesters. It is figured by dividing the total number of points earned by the total number of hours for which the student was registered. Thus, a student registered for 16 hours and earning 24 points would have a point index of 1.50.

A student must have a point average of not less than 1.00 to be eligible for any degree.

Grades

Grades for work done are recorded as follows: A, excellent; B, good; C, fair; D, poor; F, failure.

"A" indicates that a student has an especially fine grasp of the subject matter of the course and has placed upon it the stamp of his own individual thinking.

"B" indicates that a student has an intelligent grasp of the subject and has fulfilled the requirements of the course, but without showing any exceptional ability or individuality in his approach to the subject.

"C" indicates fair work but with nothing of an exceptional nature. It indicates average quality and ability.

"Inc." indicates incomplete work for the semester and automatically becomes a failure if not removed within sixty days.

"D" indicates poor work of inferior quality and preparation.

"F" indicates failure.

Any student who is absent from a regular examination will be required, at the discretion of the instructor, to obtain from the dean written permission to take the examination, and to pay a fee of one dollar to the college for the privilege.

GRADE REQUIREMENTS

Any student who at the end of his freshman year has a scholastic point average of less than .50, or at the end of his sophomore year has a scholastic point average of less than .75, or at the end of his junior year has a scholastic point average of less than 1.00 will be placed on probation and will not be readmitted the following semester.

Any student who at the end of a semester has received a grade of F in half or more than half of the total of semester hours for which he is registered will not be readmitted for the following semester.

Attendance Requirements

By action of the faculty there may be a reduction of the number of credits earned toward graduation during any semester, in the case of students who are irregular in attendance at chapel, assembly, or classes.

REQUIREMENTS FOR DEGREES

Application for a degree must be filed with the registrar in the month of September preceding graduation, and the diploma fee must be paid at least sixty days prior to commencement.

Requirements for the Bachelor of Arts Degree

GROUP REQUIREMENTS

Group I

English (Including English Composition).....11 hours

Other English work may be substituted for English Composition at the discretion of the head of the English department, except for students who expect to teach English. No student shall be graduated who has not satisfied the head of the English department concerning his proficiency in the use of English. In general grades not below C will be required.

Modern Language—

A reading knowledge of one modern language is required, implying a knowledge equivalent to two years of college work. A certificate indicating that the student has fulfilled this requirement must be obtained from the head of the modern language department.

Group II

Laboratory Science 8 hours

Mathematics or Science (Laboratory or
Non-Laboratory) 3 hours

One year of continuous work is required in one laboratory science. If the student has had no high school work in a physical science, one year of such science is required; if he has had no high school work in a biological science, one year of such science is required in college.

Group III

Social Science 9 hours

Psychology, Philosophy, Bible 6 hours

REQUIREMENTS FOR DEGREES

Group IV

Physical Education and Hygiene	4 hours
Orientation	1 hour

One hour of credit is given for each of four semesters of work, consisting of two one-hour periods per week of gymnasium work taken throughout four semesters, and two one-hour periods per week of hygiene taken during one semester of the freshman year.

Students may be excused when necessary from taking physical education by presenting a letter from the family physician, in which case an equivalent amount of academic work must be substituted.

MAJOR AND MINOR REQUIREMENTS

Each student is required to have a major and at least one minor. Major requirements in all departments consist of thirty semester hours, except where the student combines several social sciences for a major in which case a total of forty-five semester hours is required. A minor consists of fifteen semester hours' work in a field related to the major.

The head of the department in the major field should be consulted as early as possible by the student in planning his work. It is desirable that the work be planned beginning with the freshman year and almost essential, in some departments, that this planning not be postponed later than the beginning of the sophomore year if the student is to have a satisfactory program throughout his college work.

The major and minor work must in all cases meet the approval of the head of the department in which the major work is taken.

TOTAL HOUR REQUIREMENTS

Following are the total hour requirements for the degrees offered: Bachelor of Arts, 125; Bachelor of Science in Education, 125; Bachelor of Science, 136; Bachelor of Science in Engineering, 150; Bachelor of Laws, 136, and Title of Associate in Business Administration, 60.

Not less than 30 semester hours must be taken in Youngstown College for any degree or title.

YOUNGSTOWN COLLEGE

One semester hour's credit represents three hours work per week, for one semester, in preparation, recitation, lecture, or laboratory work.

DISTRIBUTION OF WORK

The work of the college is organized into two divisions, the Lower Division, consisting of freshman and sophomore years, and the Upper Division, consisting of junior and senior years. Courses having numbers below 300 are in the Lower Division and courses numbered 300 and above are in the Upper Division.

Freshman students are not permitted to take a course in the Upper Division, except by approval of the dean.

Senior students taking courses numbered lower than 200 will have their credit for those courses reduced by one-third.

In order to qualify for a degree, a student must have a minimum of forty semester hours of credit in courses numbered 300 and above.

At least sixty semester hours must be taken in courses numbered 200 or above.

In order for a student to graduate he must secure a 1.5 point average, or better, in all his major courses numbered 200 or above.

The head of the department in which a student is taking his major is expected to make sure that the above conditions are met before recommending the student for graduation.

REQUIREMENTS FOR DEGREES

Requirements for the Bachelor of Science in Education Degree

GROUP REQUIREMENTS

Group I

English (Including English Composition) — 11 hours

Other English work may be substituted for English Composition at the discretion of the head of the English department, except for students who expect to teach English. No student shall be graduated who has not satisfied the head of the English department concerning his proficiency in the use of English. In general grades not lower than C will be required.

Group II

Chemistry and Physics
or Biological Science ————— 12 hours

It is desirable to continue in college the science studied in high school in order to have a teaching subject in that field.

Group III

History, Economics, Sociology,
Government ————— 9 hours
Psychology, Philosophy, Bible ————— 6 hours

Group IV

Same as Group IV requirements for the Bachelor of Arts degree.

Major and minor requirements, total hour requirements, and distribution of work requirements for the Bachelor of Science in Education degree are the same as those for the Bachelor of Arts degree.

YOUNGSTOWN COLLEGE

Requirements for the Bachelor of Science Degree

The Bachelor of Science degree is granted with a major in any of the following: biology, chemistry, physics, nursing, chemical engineering, mechanical engineering, and metallurgical engineering.

All candidates for the Bachelor of Science degree must present work to meet the following requirements:

English (Six semester hours in English
Composition and two semester hours
in Speech) _____ 8 hours

No student shall be graduated who has not satisfied the head of the English department concerning his proficiency in the use of English. In general work not below a grade of C will be required.

Modern Language—

A reading knowledge of scientific French or scientific German is required. The examination for the reading knowledge will be given by the head of the language department and will be in the special field in which the student is majoring.

Economics—Psychology _____ 6 hours

Six semester hours of work is required in economics or in economics and psychology. Three hours of the work must be in economics.

Other Non-Science Work _____ 6 hours

Six semester hours of work is required in literature, history (any phase), art (appreciation or theory), and music (appreciation or theory). The work may be distributed in any manner.

Physical Education and Hygiene—Four semester hours of work in physical education, including two one-hour periods per week of hygiene taken during one semester of the freshman year.

Orientation and Survey—Engineering students are required to take, during the freshman year, one semester hour of engineering survey. Other students will take one semester hour of orientation.

REQUIREMENTS FOR DEGREES

The major and minor requirements are cared for in the respective curricula.

A total of 136 semester hours is required of all candidates for the Bachelor of Science degree. For engineering students the required work brings the total to approximately 150 semester hours.

The regulations as set up under the Distribution of Work in the Requirements for the Bachelor of Arts degree also apply.

Requirements for the Bachelor of Laws Degree

The entire course of study as outlined under Law is required for the Bachelor of Laws degree.

Requirements for the Title of Associate in Business Administration

A total of sixty semester hours is required, thirty hours of which must be taken at Youngstown College. At least thirty semester hours must be earned as a major in accounting or in business administration. In addition, English Composition 101-102, Business Law 201 and 303, and Economics 101 must be included. Accounting 201-202 may not be used as a part of the accounting major, and Economics 101, 102 may not be used as a part of the business administration major. These subjects, however, may be used in making up the total of sixty hours. Suggested curricula are found later in the catalog.

FEES AND EXPENSES

College of Arts and Sciences

All tuition and fees are due and payable at the time of enrollment. Students will not be permitted to attend classes until tuition has been paid, or payments have been satisfactorily arranged with the business manager.

FULL-TIME STUDENTS

Matriculation Fee (Payable once only)	\$5.00
Tuition (12-15 semester hours)	75.00
Each Additional Semester Hour (Academic) ..	5.00
Laboratory Fee (Biology, Chemistry, Physics)	
First credit hour	3.00
Each additional hour	2.00
Breakage Deposit (Chemistry or Physics) ..	3.00
Student Activity Fee	5.00
Athletic Fee	3.00
Gymnasium Fee	5.00
Hygiene Fee (When taken without gymnasium)	2.50
Graduation Fee	7.00
Library Fee	2.00

(For fees in laboratory courses and music, refer to Courses. For fine arts courses see Page 39.)

ESTIMATED SEMESTER EXPENSES

Tuition	\$75.00
Student Activity Fee	5.00
Athletic Fee	3.00
Gymnasium Fee	5.00
Laboratory Fee	5.00
Library Fee	2.00
Books and Supplies	20.00

Total, \$115.00

PART-TIME STUDENTS

(Students Carrying Less Than Twelve Semester Hours)

1½ semester hours	\$15.00
2 semester hours	25.00 & 20.00
3 semester hours	25.00
4 semester hours	32.50
5 semester hours	40.00
Each additional semester hour	5.00
Laboratory Fees (See above)	
Student Activity Fee (this includes Library and Athletic Fee)	2.50

FEES AND EXPENSES

SPECIAL FEES

The *Matriculation Fee* of \$5.00 (required of all new full-time students) covers the cost of registration and must accompany application for admission.

A *Late Registration Fee* of \$2.00 will be assessed all students enrolling after one week from the beginning of a new term.

A *Change in Registration Fee* of \$2.00 will be assessed for each change of schedule after the first week of the semester. Any change in schedule must be approved by the dean of the college before it becomes effective.

One *Transcript of Credits* to another college will be granted. A fee of \$1.00 is charged for each additional transcript.

Fine Arts Laboratory Courses:

Part-Time Students

Drawing and Painting from Life (3 hours) ... \$45.00

Other Fine Arts Courses (3 hours) 30.00

Part-time students carrying two or more fine arts courses will pay the following rates:

Six semester hours, including Life Class \$72.50
not including Life Class 57.50

Nine semester hours, including Life Class 95.00
not including Life Class 80.00

Full-Time Students

Students carrying Art courses as a part of a full college load (12-15 hours) will be assessed additional tuition for the courses as follows:

Drawing and Painting from Life...\$5.00 per credit hour

Other Fine Arts Courses 2.50 per credit hour

Engineering Drawing Courses:

Mechanical Drawing and
College Mathematics (6 hours) \$45.00

Mechanical Drawing and
Shop Mathematics (4 hours) 40.00

Mechanical Drawing (2 nights) (3 hours) ... 30.00

YOUNGSTOWN COLLEGE

Psychological and English Tests Fee of 50¢ covers the cost of three tests which are required of all freshmen students, students who wish to teach, and students working toward a degree. Students taking the Vocational Guidance Test, in addition to the above, will pay \$1.00 for the four tests.

An *Educational Measurement Fee* of \$1.00 will be assessed against all students enrolling for courses in educational measurement and vocational guidance.

Late Examination Fee \$1.00.

Supervised Student Teaching Fee \$10.00.

INSTALLMENT TUITION

Students who elect to pay their tuition in installments shall make a down payment of at least twenty-five per cent of their total tuition at the time of enrolling and shall make satisfactory arrangements with the business manager for the payment of the balance of their tuition before they will be permitted to attend classes. All installment contracts must be paid in full on or before the expiration of two-thirds of a school term.

Students electing the installment plan will be assessed a carrying charge of ten per cent on the unpaid balance after the initial payment. (Minimum carrying charge of \$1.00.)

A student's failure to meet his installment payments as arranged will necessitate the withdrawal of his name from the class records.

No student will be permitted to enroll for a new semester until all previous tuition has been paid in full.

WITHDRAWALS AND REFUNDS

If a student is forced to withdraw from school for reasons beyond his control, he shall make application to the registrar or business manager. Failure to do so shall constitute waiver of any claim to a refund and an installment contract shall become due and payable in full.

FEEES AND EXPENSES

No application for refund will be considered after one-third of a school term has elapsed, except in the case of illness, which makes it impossible for the student to attend classes and for which a doctor's certificate must be furnished. No application will be considered after midsemester.

School of Law

The tuition for each quarter is \$40.00.

A ten per cent discount will be allowed on all contracts paid in cash within ten days after the opening date of the quarter. Students who elect to pay their tuition in installments shall make a down payment of at least twenty-five per cent at the time of enrolling and shall arrange a satisfactory schedule of payments on the balance with the business manager. Failure to comply with the above will necessitate the withdrawal of the student's name from the class records.

No student will be permitted to enroll for a new quarter until all previous tuition has been paid in full.

Curricula

ART

Suggested Curriculum for the Bachelor of Arts Degree with a Major in Art

First Year			
Art 113-114 History.....	6 hrs.	Orientation	1 hr.
Modern Language.....	6 hrs.	Physical Education and Hygiene	2 hrs.
English 101-102 Composition.....	6 hrs.	Electives	6 hrs.
Art 110 Color and Design.....	3 hrs.		

Second Year			
Modern Language.....	6 hrs.	Art 201, 202 Drawing and Paint- ing from Life or 203, 204 Drawing and Painting—Gen- eral	6 hrs.
Philosophy or Psychology.....	3 hrs.	Physical Education	2 hrs.
Speech 115, 116 Fundamentals.....	4 hrs.		
Social Science.....	6 hrs.		
Art Electives	6 hrs.		

Third Year			
Philosophy	6 hrs.	Social Science.....	3 hrs.
English 353 Advanced Composi- tion	3 hrs.	Art Electives.....	3 hrs.
Physics 201-202 General	10 hrs.	Electives	6 hrs.

Fourth Year			
Art Electives.....	9 hrs.	Electives	19 hrs.
Science Electives.....	3 hrs.		

BIOLOGY

Suggested Curriculum for the Bachelor of Arts Degree with a Major in Biology

First Year			
Biology 101-102 General.....	8 hrs.	Modern Language.....	6 hrs.
Chem. 113-114 General.....	10 hrs.	Physical Education and Hygiene	2 hrs.
English 101-102 Composition.....	6 hrs.	Orientation	1 hr.

Second Year			
Biology 201 and 202 Botany or 210 and 211 Zoology.....	8 hrs.	Psychology	6 hrs.
Chem. 215 Organic.....	3 hrs.	Modern Language.....	6 hrs.
or 304 Organic.....	5 hrs.	Physical Education.....	2 hrs.
Chem. 216 Organic.....	2 hrs.	Electives	2-4 hrs.
or 306 Organic.....	3 hrs.		

Third Year			
Biology Electives (300 Courses)	8 hrs.	English	5 hrs.
Social Science.....	9 hrs.	Electives	10 hrs.

Fourth Year			
* Biology Electives (300 or 400 Courses)	6 hrs.	Electives (300 or 400 Courses)	26 hrs.

Other physical sciences may be added according to the needs of the individual.

CURRICULA

BUSINESS ADMINISTRATION

The course in business administration offers an opportunity for students to secure a Bachelor of Arts degree with a major in business administration. The purpose of this course is to give training in accounting and business administration.

The field of public accounting is particularly alluring. It is the aim of the school to prepare its students for accounting work and for the C. P. A. examination. This title, which is granted by the various states, is a mark of distinction which is recognized in all fields of accounting, public and private.

The course in business administration aims to develop general executives as well as specialists in the fields of marketing, advertising, and salesmanship.

Suggested Curriculum for the Bachelor of Arts Degree with a Major in Business Administration

SPECIALIZING IN ACCOUNTING

(Accounting 201-202 may not be applied toward a major.)

First Year

English 101-102 Composition.....	6 hrs.	Math. 111, 112 Algebra.....	4 hrs.
Chemistry or Biology.....	3 hrs.	Acctg. 201-202 Elementary.....	6 hrs.
Bus. Org. 101 Principles.....	3 hrs.	Physical Education and Hygiene	2 hrs.
Econ. 104 Geography.....	3 hrs.	Orientation	1 hr.

Second Year

Acctg. 308, 309 Cost.....	6 hrs.	Speech 115, 116 Fundamentals..	4 hrs.
Econ. 101, 102 Principles	6 hrs.	Bus. Org. 303 Law.....	3 hrs.
Modern Language.....	6 hrs.	Physical Education	2 hrs.
Bus. Org. 201 Law.....	3 hrs.	Electives	2 hrs.

Third Year

Acctg. 301 and 302 Intermediate	6 hrs.	Psych. 201 General.....	3 hrs.
Bus. Org. 322 Credits and Col- lections	3 hrs.	Speech 313 Advanced.....	2 hrs.
Bus. Org. 324 Marketing.....	3 hrs.	Psych. 301 Applied.....	3 hrs.
		Electives	10-12 hrs.

Fourth Year

To be planned with the advice of major professor.

COOPERATIVE PLAN

For students on the cooperative plan, the foregoing schedule of subjects will be followed. Due to the fact that the students are not in attendance continuously, and that summer work is taken, the time schedule will be arranged to meet the special needs of this group.

YOUNGSTOWN COLLEGE

Suggested Curriculum for the Bachelor of Arts Degree with a Major in Business Administration

SPECIALIZING IN MARKETING, SALESMANSHIP, OR MANAGEMENT

(Economics 101-102 may not be applied toward a major.)

First and Second Years

Same as Suggested Curriculum for those specializing in accounting, except that Accounting 308-309 are not required.

Third Year

Econ. 207 Financial Organization.....	3 hrs.	Bus. Org. 324 Marketing.....	3 hrs.
Bus. Org. 322 Credits and Collections.....	3 hrs.	Speech 313 Advanced.....	2 hrs.
Bus. Org. 327 and 328 Advertising.....	4 hrs.	Psych. 201 General.....	3 hrs.
		Psych. 301 Applied.....	3 hrs.
		Electives.....	9 hrs.

Fourth Year

Bus. Org. 315 Corporation Finance.....	3 hrs.	Bus. Org. 325 Salesmanship.....	2 hrs.
		Electives.....	25 hrs.

Suggested Curriculum for the Title of Associate in Business Administration

SPECIALIZING IN ACCOUNTING

The special evening program outlined below includes the most essential courses for preparation for the fields of accounting and business administration, and is designed to meet the needs of students employed during the day. The following course may be completed in four years by taking summer school work.

The advanced evening classes are open to day students specializing in accounting or business administration.

First Year

English 101-102 Composition....	6 hrs.	Acctg. 201-202 Elementary.....	6 hrs.
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Second Year

Acctg. 308, 309 Cost.....	6 hrs.	Bus. Org. 303 Law.....	3 hrs.
Bus. Org. 201 Law.....	3 hrs.		

Third Year

Acctg. 301 and 302 Intermediate	6 hrs.	Econ. 101, 102 Principles.....	6 hrs.
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Fourth Year

Acctg. 401-402 Auditing.....	6 hrs.	Acctg. 303, 304 Advanced.....	6 hrs.
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Fifth Year

Acctg. 403-404 Federal and State Taxes.....	6 hrs.	Acctg. 405, 406 C. P. A. Quiz	6 hrs.
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CURRICULA

Suggested Curriculum for the Title of Associate in Business Administration

SPECIALIZING IN MARKETING AND ADVERTISING

First Year

Bus. Org. 327, 328 Advertising..... 4 hrs.	English 101-102 Composition.... 6 hrs.
Econ. 101, 102 Principles..... 6 hrs.	

Second Year

Bus. Org. 324 Marketing..... 3 hrs.	Psych. 201 General..... 3 hrs.
Bus. Org. 325 Salesmanship..... 3 hrs.	Electives 3 hrs.
Bus. Org. 329 Advertising Copy 2 hrs.	

Third Year

Business Organization Electives 6 hrs.	Electives 9 hrs.
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Fourth Year

Business Organization Electives 6 hrs.	Electives 10 hrs.
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CHEMISTRY

Suggested Curriculum for the Bachelor of Arts Degree with a Major in Chemistry

First Year

English 101-102 Composition.... 6 hrs.	Math. 111-112 Algebra..... 4 hrs.
Chem. 109-110 or 111-112 General 8 hrs.	Math. 114 Analytic Geometry.... 3 hrs.
French or German..... 6 hrs.	Physical Education and Hygiene 2 hrs.
Math. 103 Trigonometry..... 3 hrs.	Orientation 1 hr.

Second Year

Math. 209-210 Calculus..... 10 hrs.	French or German..... 6 hrs.
Chem. 203 Quantitative Analysis 5 hrs.	Economics 3 hrs.
Chem. 209 Qualitative Analysis 5 hrs.	Physical Education 2 hrs.

Third Year

Physics 201-202 General..... 10 hrs.	Biology 101-102 General..... 3 hrs.
Chem. 304 and 305 Organic..... 10 hrs.	Speech 115 Fundamentals..... 2 hrs.
Chem. 315 and 317 Biological... 5 hrs.	

Fourth Year

Chem. 311-312 Physical..... 6 hrs.	English 3 hrs.
Chem. 319-320 Physical..... 4 hrs.	*Psychology, Philosophy, or
Chem. 407 Chemical Literature 1 hr.	Bible 6 hrs.
Social Science..... 6 hrs.	Electives 4 hrs.

*Should be taken earlier in the course if modern language permits.

Students who expect to continue in advanced work in chemistry should have the equivalent of one year of college French and two years of college German by the time they enter graduate study.

YOUNGSTOWN COLLEGE

ECONOMICS

Suggested Curriculum for the Bachelor of Arts Degree with a Major in Economics

First Year

English 101-102 Composition.....	6 hrs.	Soc. 104 Social Disorganization	3 hrs.
Biology 101-102 General.....	8 hrs.	Physical Education and Hygiene	2 hrs.
Soc. 103 Principles.....	3 hrs.	Orientation	1 hr.
Modern Language.....	6 hrs.	Electives	2 hrs.

Second Year

English 203 English Literature	3 hrs.	Psych. 301 Applied.....	3 hrs.
English 204 English Literature or 206 American Literature....	3 hrs.	History 105, 106 Europe Since the Fall of Rome.....	6 hrs.
Modern Language.....	6 hrs.	Econ. 101, 102 Principles.....	6 hrs.
Psych. 201 General.....	3 hrs.	Physical Education.....	2 hrs.

Third Year

Acctg. 201-202 Elementary.....	6 hrs.	Pol. Sci. 102 American Govern- ment	3 hrs.
Econ. 207 Financial Organiza- tion	3 hrs.	History 201 and 202 United States	6 hrs.
Bus. Org. 324 Marketing.....	3 hrs.	Electives	8 hrs.
Pol. Sci. 101 Introduction.....	3 hrs.		

Fourth Year

Econ. 303 Economic History of the United States.....	3 hrs.	Soc. 201 Crime and Penal In- stitutions	3 hrs.
Econ. 401 Labor Problems.....	3 hrs.	Soc. 307 The Family.....	3 hrs.
Econ. 402 Systems of Reform....	3 hrs.	Electives	15 hrs.
Econ. 408 Economic Theory.....	3 hrs.		

EDUCATION

The Department of Education of Youngstown College is approved by the Department of Education of the State of Ohio for the training of high school teachers. The courses in education give the prospective teacher opportunity to secure both a theoretical background and practical experience in the teaching profession. Students who expect to qualify for the Four-Year Provisional Certificate of the State of Ohio must complete not less than twenty semester hours of professional training. The following courses are definitely required: Educational Psychology (three credits), Introduction to Teaching (three credits), Principles of Teaching (three credits), Classroom Administration, Organization, and Management (three credits), Special Methods in a high school subject (two credits), and Supervised Student Teaching (three to six credits). Prospective teachers are strongly urged to take at least two courses in speech. Not later than the beginning of his junior year, the student should consult with the head of the Department of Education to ensure that his plans for professional preparation are adequate.

CURRICULA

No student will be admitted to the course in Education 404, Supervised Student Teaching, whose centile rank is lower than thirty-four in the Ohio State University Psychological Test, or lower than forty in the American Council on Education Cooperative English Test.

All students in education are urged to participate in extra-curricular activities while in college in order that they may be qualified to direct such activities in high school. These activities include athletics, intramural sports, musical, dramatic, art, literary, and social organizations.

In the subjects which he will teach in high school, the Department of Education of the State of Ohio requires that the prospective teacher shall have a major of at least eighteen semester hours and two minors of at least fifteen semester hours each, in addition to certain high school prerequisites. Special Methods courses may be counted in computing majors and minors. Certain other courses in education may also be counted in computing majors and minors in certain subjects. A student may take a major in education by having at least thirty semester hours in education, but it should be realized that this major cannot be utilized as a high school teaching subject.

Suggested Curriculum for the Teacher Training Course Leading to the Bachelor of Arts Degree

First Year

English 101-102 Composition.....	6 hrs.	Physical Education and Hygiene	2 hrs.
Modern Language.....	6 hrs.	Orientation	1 hr.
Laboratory Science.....	8 hrs.	Electives	6 hrs.
Social Science.....	3 hrs.		

Second Year

Psych. 201 General.....	3 hrs.	Educ. 201 Introduction to Teaching.....	3 hrs.
Psych. 202 Educational.....	3 hrs.	Social Science.....	6 hrs.
Speech 115, 116 Fundamentals..	4 hrs.	Science or Mathematics.....	3 hrs.
English 203 English Literature and 206 American Literature	6 hrs.	Physical Education.....	2 hrs.
		Electives	2 hrs.

Third Year

Educ. 301 Principles of Teaching.....	3 hrs.	Educ. 306 Measurement and Guidance	2 hrs.
Educ. 307 History.....	2 hrs.	Educ. 308 Educational Sociology	3 hrs.
Educ. 304 Classroom Management	3 hrs.	Electives	14 hrs.
Psych. 305 Child.....	3 hrs.		

Fourth Year

Educ. 400 Special Methods.....	2 hrs.	Electives	24 hrs.
Educ. 404 Supervised Student Teaching	3 hrs.		

YOUNGSTOWN COLLEGE

Major and Minor Requirements

Applicants for provisional high school certificates should complete one major and two minors in content material. A major requires the completion of not less than eighteen semester hours and a minor of not less than twelve semester hours, in addition to certain high school prerequisites.

	Major—18 Sem. Hrs.
	Required 9 sem. hrs.
Mathematics 2 units h. s.	Col. Alg. 3 Col. Geom. 3 Trig. 3
	Elective 9 sem. hrs.
	Any higher math. Astronomy Statistics Excess in req. subjects Com. Arith.

English 3 units h. s.	Required 12 sem. hrs.
	Eng. Comp. 6 Eng. and Am. Poetry 3 Eng. and Am. Prose 3
	Elective 6 sem. hrs.
	Public Speaking Literature Any other English or excess in requirement.

History 2 units h. s.	Required 12 sem. hrs.
	World History 3 American History 3 Government or Pol. Science 3 Modern Trends 3
	Elective 6 sem. hrs.
	Any other branch of secular history. Excess credit in major requirements.

Social Science 1 unit h. s. (May be Hist. or Geog.)	Required 9 sem. hrs.
	Economics 3 Sociology 3 Ethics, Philosophy, Logic; Any one or any combination 3
	Elective 9 sem. hrs.
	Excess in req. subjects Econ. Geog. Social Civics Indus. History Commercial Geography Industrial Geography

Biological Science 1 unit h. s.	Required 9 sem. hrs.
	Zoology 3 Botany 3 or Gen. Biology 6 Physiology, Hygiene or Agriculture 3
	Elective 9 sem. hrs.
	Excess in req. sub. Entomology Bacteriology

	Minor—15 Sem. Hrs.
	Required 6 sem. hrs.
	Col. Alg. 3 Col. Geom. 3
	Elective 9 sem. hrs.
	Same as major elective

	Required 6 sem. hrs.
	Eng. Comp. 3 Eng. or Am. Prose and or Poetry 3

Elective 9 sem. hrs.
Same as major elective

	Required 6 sem. hrs.
	World History 3 American History 3

Elective 9 sem. hrs.
Same as major elective

	Required 6 sem. hrs.
	Economics 3 Sociology 3

Elective 9 sem. hrs.
Same as major elective

	Required 6 sem. hrs.
	Zoology; Botany 6 Gen. Biology 6 or any comb. of 6 sem. hrs.

Elective 9 sem. hrs.
Same as major elective

CURRICULA

Physical Science 1 unit h. s.	Required 12 sem. hrs. Physics 6 Chemistry 6 Elective 6 sem. hrs. Excess in req. sub. Any branch of chem. or physics or related physical science.		Required 6 sem. hrs. Physics 3 Chemistry 3 Elective 9 sem. hrs. Same as major elective
Earth Science 1 unit h. s.	Required 12 sem. hrs. Geology 3 to 9 Geography 3 to 9 Elective 6 sem. hrs. Excess in req. sub.		Required 6 sem. hrs. Geology 3 Geography 3 Elective 9 sem. hrs. Same as major elective
Latin 2 units h. s.	18 sem. hrs. College Latin in usual sequence		15 sem. hrs. College Latin in usual sequence
French German Spanish Greek	Two units in h. s. and 18 sem. hrs. college work in the subject in which certification is desired		15 sem. hrs. in one language

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

(b) The State Department recommends that institutions advise students as far as possible to prepare to teach in four academic fields. Most of them will be obliged to start their teaching in small high schools and their placement will be greatly facilitated by broadening their teaching abilities.

Curriculum for the Degree of Bachelor of Science in Education with a Major in Business Education

First Year

English 101-102 Composition.....	6 hrs.	Econ. 104 Geography.....	3 hrs.
Bus. Org. 101 Principles.....	3 hrs.	Sec. Sci. 101 Typewriting.....	3 hrs.
Sec. Sci. 103 Letter Writing.....	3 hrs.	Physical Education and Hygiene	2 hrs.
Speech 115, 116 Fundamentals	4 hrs.	Orientation	1 hr.
Math. 111-112 Algebra.....	4 hrs.	Electives	3 hrs.

Second Year

Educ. 201 Introduction to Teaching	3 hrs.	Sec. Sci. 104-105 Bookkeeping or Acctg. 201-202 Elementary	6 hrs.
Laboratory Science.....	8 hrs.	Econ. 101, 102 Principles.....	6 hrs.
Psych. 201 General.....	3 hrs.	Physical Education.....	2 hrs.
Psych. 202 Educational.....	3 hrs.		

Third Year

Educ. 301 Principles of Teach- ing	3 hrs.	Educ. 304 Classroom Manage- ment	3 hrs.
Bus. Org. 201 Law.....	3 hrs.	Acctg. 201-202 Elementary or	
Sec. Sci. 301 Shorthand.....	4 hrs.	303-309 Cost.....	6 hrs.
Science	4 hrs.	Electives	10 hrs.

Fourth Year

English 203 English Literature	3 hrs.	Educ. 308 Educational Soci- ology	3 hrs.
Educ. 306 Measurement and Guidance	2 hrs.	Educ. 404 Supervised Student Teaching	3 hrs.
Educ. 409 Special Methods.....	2 hrs.	Electives	12 hrs.
Sec. Sci. 302 Shorthand.....	4 hrs.		

YOUNGSTOWN COLLEGE

Note 1. The major for teachers of business education requires the completion of forty-five semester hours in required or approved subjects. Electives must be taken from the following courses: Office Management, Operation of Office Machinery, Intermediate Accounting, Analysis of Financial Statements, Money and Banking, Specialized Accounting, Salesmanship, Marketing, Advertising.

Note 2. The student should have a teaching major in English when he completes this curriculum. In order to do so, he should take English 203, Survey of English Literature; English 206, Survey of American Literature; and one other course in English in addition to the courses in English specified under the General Requirements. The courses in literature should be taken during the junior and senior years.

Note 3. Elective courses should be selected in such a way as to build up a teaching major or minor in social science or history or both.

Curriculum for the Degree of Bachelor of Science in Education with a Major in Elementary Education

First Year

Art 101, 102 Drawing and Painting	6 hrs.	Soc. 103 Principles.....	3 hrs.	
Econ. 104 Geography.....	3 hrs.	Speech 115, 116 Fundamentals	4 hrs.	
English 101-102 Composition.....	6 hrs.	Physical Education and Hygiene	2 hrs.	
Music 101, 102 Sight Singing and Ear Training.....	2 hrs.	Orientation	1 hr.	

Second Year

Art 103 Pottery and Modeling..	3 hrs.	History 201, 202 United States	6 hrs.	
Biology 101-102 General.....	8 hrs.	Psych. 201 General.....	3 hrs.	
Educ. 201 Introduction to Teaching	3 hrs.	Psych. 202 Educational.....	3 hrs.	
Music 105, 106 History and Appreciation	4 hrs.	Physical Education.....	2 hrs.	

Third Year

Educ. 301 Principles of Teaching	3 hrs.	Social Science	3 hrs.	
Educ. 304 Classroom Management	3 hrs.	Educ. 315 Personal Hygiene and Institutional Sanitation..	3 hrs.	
Educ. 311 The Teaching of Art	2 hrs.	Educ. 316 Health Education....	3 hrs.	
Educ. 313 The Teaching of Nature Study and Science.....	2 hrs.	English 205, 206 American Literature	6 hrs.	
Educ. 314 The Teaching of History and Social Science.....	2 hrs.	Music 311 Primary Grades.....	1½ hrs.	
		Music 312 Intermediate Grades..	1½ hrs.	

Fourth Year

Educ. 306 Measurement and Guidance	2 hrs.	Educ. 415 The Teaching of Arithmetic	2 hrs.	
Educ. 404A Student Teaching and Apprenticeship.....	6 hrs.	Psych. 305 Child.....	3 hrs.	
Educ. 413 The Teaching of Reading	2 hrs.	Social Science	3 hrs.	
Educ. 414 Children's Literature and Teaching of Literature	3 hrs.	Zoology 211 Vertebrate.....	4 hrs.	
		Electives	4 hrs.	

Curriculum for the Degree of Bachelor of Science in Education with a Major in Public School Music

First Year

English 101-102 Composition..	6 hrs.	Music 105, 106 History and Appreciation of Music.....	4 hrs.	
History 105, 106 Europe Since the Fall of Rome.....	3 hrs.	Music (Applied Piano).....	2 hrs.	
Laboratory Science.....	8 hrs.	Music (Ensemble).....	1 hr.	
Music 101-102 Sight Singing and Ear Training	2 hrs.	Physical Education and Hygiene	2 hrs.	
Music 103-104 Elementary Harmony	4 hrs.	Orientation	1 hr.	

CURRICULA

Second Year

Educ. 201 Introduction to Teaching 3 hrs. English 203 or 204 English Literature and 205 or 206 American Literature..... 6 hrs. Psych. 201 General..... 3 hrs. Psych. 202 Educational..... 3 hrs. Music 201-202 Sight Singing and Ear Training..... 2 hrs.	Music 203-204 Advanced Harmony 6 hrs. Music 217 Teaching of Stringed Instruments (Class Method)..... 2 hrs. Music 218 Teaching of Brass Instruments (Class Method) 2 hrs. Music (Applied Piano)..... 2 hrs. Music (Ensemble) 1 hr. Physical Education..... 2 hrs.
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Third Year

Educ. 301 Principles of Teaching 3 hrs. Educ. 304 Classroom Management 3 hrs. History 201 or 202 United States 3 hrs. Speech 115, 116 Fundamentals 4 hrs. Music 305, 306 History of Music 6 hrs. Music 311 Music in the Primary Grades 1½ hrs. Music (Applied—Other than Piano) 2 hrs.	Music 312 Music in the Intermediate Grades 1½ hrs. Music 317 Teaching of Woodwind Instruments (Class Method) 2 hrs. Music 318 Class Method of Teaching Instruments in School 2 hrs. Music 319, 320 Conducting 2 hrs. Music (Ensemble)..... 1 hr.
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Fourth Year

Educ. 404 Student Teaching in Music 3-6 hrs. Science 4 hrs. Music 403-404 Musical Form..... 6 hrs. Music 411-412 Teaching of Music in Junior and Senior High School..... 4 hrs.	Music 409-410 Orchestration for High Schools 2 hrs. Music 419 Band Organization, Drum Majoring and Field Technique 2 hrs. Music (Applied—Other than Piano) 1 hr. Electives 3-6 hrs.
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Note 1. Biology is recommended as the laboratory science to be studied by music teachers. Twelve semester hours of science are required for the degree of Bachelor of Science in Education. It will be necessary to have fifteen semester hours in college in addition to one year of biology in high school in order to utilize biology as a teaching subject. Students should select their electives carefully in order to build up teaching subjects.

Note 2. For students majoring in music, six hours in history of music will be counted on the degree requirement of nine hours in social science. The other three hours should be in History 105, 106, 201, or 202. By taking three of these four courses (a total of nine hours) the student will have a teaching minor of fifteen semester hours in history, if he has had two years of history in high school.

Note 3. Foreign language is not required for the degree of Bachelor of Science in Education. However, if a student has had at least two years of a foreign language in high school, he may continue with the same language in college. In this case he should take at least fifteen semester hours in that language in college in order to make it one of his teaching subjects.

Note 4. The following courses are required for a teaching minor in music: Music 101-102, 201-202, Sight Singing and Ear Training, 4 semester hours; Music 103-104, 203-204, Harmony, 10 hours; Music 105, 106, History and Appreciation of Music, 4 hours; Methods in Music, including Conducting, 6 hours; applied music, 4 hours; ensemble, glee club, orchestra, 2 hours; a total of at least thirty semester hours in music. Electives should be selected carefully in order to build up several other teaching subjects of which at least one must be a teaching major.

YOUNGSTOWN COLLEGE

ENGINEERING—CHEMICAL

Required Curriculum for the Bachelor of Science Degree in Chemical Engineering

Non-Cooperative Four-Year Plan

(When taken on Cooperative Plan, this course requires five years)

First Year

Chem. 109-110 or 111-112 General	8 hrs.	Math. 103 Trigonometry	3 hrs.
English 101-102 Composition	6 hrs.	C. E. 115 Survey of Engineering	1 hr.
M. E. 101, 102 Engineering	8 hrs.	Math. 114 Analytic Geometry	3 hrs.
Drawing	8 hrs.	Physical Education and Hygiene	2 hrs.
Math. 111-112 Algebra	4 hrs.		

Second Year

Math. 209-210 Calculus	10 hrs.	Chem. 209 Qualitative Analysis	5 hrs.
Physics 211-212 General	8 hrs.	German 101-102 Elementary	6 hrs.
Chem. 203 Quantitative Analysis	5 hrs.	Physical Education	2 hrs.

Summer

M. E. 213 Surveying	4 hrs.	M. E. 324 Statics	3 hrs.
M. E. 207 Foundry Practice	2 hrs.		

Third Year

Chem. 304 Organic	5 hrs.	C. E. 326 Metallurgy Laboratory, Ferrous	2 hrs.
Chem. 306 Organic Laboratory	3 hrs.	Chem. 419 Advanced Inorganic	2 hrs.
German 203 and 204 Intermediate	6 hrs.	Chem. 342 Metallurgical Analysis or Chem. 343 Gas and Fuel Analysis	3 hrs.
C. E. 323 Metallurgy, Non-Ferrous	2 hrs.	Economics	3 hrs.
C. E. 324 Metallurgy, Ferrous	2 hrs.	Physics 308 Thermodynamics	3 hrs.
C. E. 325 Metallurgy Laboratory, Non-Ferrous	2 hrs.	Electives	3 hrs.

Summer

General Option		Metallurgy Option	
C. E. 433 Unit Design	3 hrs.	C. E. 433 Unit Design	3 hrs.
C. E. 435 Unit Construction	6 hrs.	C. E. 437 Metallurgical Unit Construction	6 hrs.

Fourth Year

Chem. 311-312 Physical	3 hrs.	M. E. 326 Strength of Materials	3 hrs.
Chem. 319-320 Physical Laboratory	4 hrs.	Chem. 407 Chemical Literature	1 hr.
		Math. 315 Differential Equations	3 hrs.

General Option

Chem. 415 Electro	4 hrs.	Chem. 404 Organic Analysis	4 hrs.
Chem. 421 Advanced Organic or C. E. 441 Fluid Flow and Heat Transfer	2 hrs.	Chem. 440 Colloids or C. E. 444 Fluid Purification	2 hrs.
		Electives	6 hrs.

Metallurgy Option

C. E. 423 Metallography, Ferrous	3 hrs.	C. E. 430 Electrometallurgy	3 hrs.
C. E. 427 Ore Dressing	3 hrs.	Electives	6 hrs.
C. E. 424 Metallography, Non-Ferrous	3 hrs.		

CURRICULA

ENGINEERING—MECHANICAL

Required Curriculum for the Bachelor of Science Degree in Mechanical Engineering

Non-Cooperative Four-Year Plan

(When taken on Cooperative Plan, this course requires five years)

First Year

Chem. 109-110 or 111-112 General .. 8 hrs.	Physical Education and Hygiene. 2 hrs.
M. E. 101, 102 Eng. Drawing.. 8 hrs.	English 101-102 Composition.... 6 hrs.
Math. 103 Trigonometry..... 3 hrs.	Math. 111-112 Algebra..... 4 hrs.
M. E. 115 Survey of Engineering 1 hr.	Math. 114 Analytic Geometry.. 3 hrs.

Second Year

Math. 209-210 Calculus10 hrs.	Physics 201-202 General.....10 hrs.
Chem. 211 Qualitative Analysis. 3 hrs.	Chem. 203 Quantitative Analysis 3 hrs.
German 101-102 Elementary.... 6 hrs.	Physical Education..... 2 hrs.

Summer

M. E. 213 Surveying 4 hrs.	M. E. 324 Statics..... 3 hrs.
M. E. 207 Foundry Practice 2 hrs.	

Third Year

M. E. 325 Dynamics 3 hrs.	M. E. 328 Fluid Dynamics
M. E. 326 Strength of Materials 3 hrs.	Laboratory 2 hrs.
Math. 315 Differential Equations 3 hrs.	M. E. 221 Shop Processes 3 hrs.
C. E. 324 Metallurgy, Ferrous.. 3 hrs.	Physics 307 Heat 3 hrs.
C. E. 326 Metallurgy, Ferrous	Physics 308 Thermodynamics .. 3 hrs.
Laboratory 3 hrs.	Economics 101 Principles..... 3 hrs.
M. E. 327 Fluid Dynamics..... 3 hrs.	Speech 115 Public Speaking.... 2 hrs.
	Electives 3 hrs.

Summer

M. E. 321 Power 3 hrs.	M. E. 342 Engineering Materials 3 hrs.
Electives 3 hrs.	

Fourth Year

M. E. 329 Steam Power 3 hrs.	M. E. 351 Engineering Reports. 3 hrs.
M. E. 330 Steam Power	M. E. 412 Electrical Engineering 3 hrs.
Laboratory 2 hrs.	M. E. 422 Ventilation and Air
M. E. 331 Internal Combustion	Conditioning 3 hrs.
Engines 3 hrs.	Economics 3 hrs.
M. E. 401 Machine Design 3 hrs.	Electives 9 hrs.
M. E. 402 Hydraulics 3 hrs.	

ENGLISH

Suggested Curriculum for the Bachelor of Arts Degree with a Major in English

First Year

English 101-102 Composition..... 6 hrs.	History 105, 106 Europe Since
Modern Language..... 6 hrs.	the Fall of Rome..... 6 hrs.
Bible 101..... 2 hrs.	Mathematics 4-6 hrs.
Speech 115, 116 Fundamentals 4 hrs.	Physical Education and Hygiene 2 hrs.
	Orientation 1 hr.

Second Year

English 203, 204 English Lit- erature 6 hrs.	English 205, 206 American Lit- erature 6 hrs.
History 211-212 English History 6 hrs.	Laboratory Science 8 hrs.
Modern Language 6 hrs.	Physical Education..... 2 hrs.

Third Year

English 351-352 History of the English Language..... 6 hrs.	Bible 102 and 104..... 4 hrs.
English 371 Chaucer..... 3 hrs.	English 373-374 Shakespeare... 6 hrs.
English 383 History of the Eng- lish Drama 3 hrs.	History 311 and 312 Greece and Rome 6 hrs.
	Electives 3 hrs.

Fourth Year

English 361 English Non- Dramatic Literature of the 16th and 17th Centuries..... 3 hrs.	English 363 English Literature of the 18th Century..... 3 hrs.
English 365-366 Romantic Period 4 hrs.	English 367, 368 Victorian Lit- erature 6 hrs.
	Electives 16 hrs.

YOUNGSTOWN COLLEGE

LAW

See Law School for required curriculum.

MATHEMATICS—PHYSICS

Suggested Curriculum for the Bachelor of Arts Degree
with a Major in Mathematics or Physics

First Year			
Math. 111-112 Algebra.....	4 hrs.	French or German.....	6 hrs.
Math. 103 Trigonometry.....	3 hrs.	English 101-102 Composition....	6 hrs.
Math. 114 Analytic Geometry....	3 hrs.	Physical Education and Hygiene	2 hrs.
Chem. 109-110 General.....	3 hrs.	Orientation	1 hr.
Second Year			
Math. 209-210 Calculus.....	10 hrs.	Psych. 201 General.....	3 hrs.
Physics 201-202 General.....	10 hrs.	Phil. 203 Introduction.....	3 hrs.
French or German.....	6 hrs.	Physical Education.....	2 hrs.
Third Year			
Math. 315-316 Different Equa- tions	6 hrs.	History Electives.....	6 hrs.
Physics 324-325 Analytic Me- chanics	6 hrs.	Econ. 101 Principles.....	3 hrs.
		Electives	9 hrs.
Fourth Year			
Math. 330 College Geometry....	3 hrs.	Geology 202, 203 Historical....	6 hrs.
Math. 432 History of Mathe- matics or Physics 303 Elec- tricity and Magnetism.....	3 hrs.	English 203 English Literature	3 hrs.
Physics 308 Thermodynamics....	3 hrs.	English 206 American Litera- ture	3 hrs.
Astronomy 201 Elementary.....	3 hrs.	Electives	9 hrs.

Students who wish to obtain a certificate to teach mathe-
matics and physical science in high school may pursue substan-
tially the course outlined above except for the substitution of
work in the department of education for certain courses listed
in the last two years.

MUSIC

Suggested Curriculum for the Bachelor of Arts Degree
with a Major in Music

First Year			
Music 101-102 Sight Singing..	2 hrs.	Modern Language.....	6 hrs.
Music 103-104 Elementary Har- mony	4 hrs.	Biology 101-102 General.....	8 hrs.
Applied Music.....	3 hrs.	Physical Education and Hy- giene	2 hrs.
English 101-102 Composition....	6 hrs.	Orientation	1 hr.
Second Year			
Music 203-204 Advanced Har- mony	6 hrs.	Psych. 201 General.....	3 hrs.
Music 205-206 History of Music	4 hrs.	Psychology	3 hrs.
Modern Language	6 hrs.	Applied Music	3 hrs.
History 105, 106 Europe Since the Fall of Rome.....	6 hrs.	Physical Education.....	2 hrs.
Third Year			
Music 303, 304 Strict Coun- terpoint	6 hrs.	Applied Music.....	3 hrs.
Music 305, 306 History.....	6 hrs.	English 381 The Novel.....	3 hrs.
Ethics or Philosophy.....	3 hrs.	English Elective.....	3 hrs.
History 303 French Revolution	3 hrs.	Electives	6 hrs.
Fourth Year			
Music 403-404 Musical Form....	6 hrs.	Science	3 hrs.
Applied Music	3 hrs.	Electives	19 hrs.

CURRICULA

PHILOSOPHY

Suggested Curriculum for the Bachelor of Arts Degree with a Major in Philosophy

First Year	
History 105, 106 Europe Since the Fall of Rome.....	English 101-102 Composition... 6 hrs.
Econ. 101, 102 Principles.....	Sociology Electives..... 6 hrs.
French or German.....	Physical Education and Hygiene Orientation..... 1 hr.
Second Year	
Math. 151-152 Introduction.....	Phil. 203 Introduction..... 3 hrs.
French or German.....	Phil. 205 Logic..... 2 hrs.
English 203, 204 English Literature.....	Phil. 207, 208 Ethics of Jesus..... 6 hrs.
	Physical Education..... 2 hrs.
Third Year	
History Electives.....	Laboratory Science..... 8 hrs.
Psych. 201 General.....	Phil. 301 and 302 History..... 6 hrs.
Psych. 302 Abnormal or Sociology.....	Phil. 305, 306 Ethics..... 6 hrs.
Fourth Year	
English 373-374 Shakespeare.....	Electives..... 18 hrs.
Philosophy Electives.....	

PRE-LAW

Pre-Law Curriculum

First Year	
English 101-102 Composition... 6 hrs.	Modern Language..... 6 hrs.
Biology or Chemistry General... 8 hrs.	Speech 115, 116 Fundamentals 4 hrs.
History 105, 106 Europe Since the Fall of Rome..... 6 hrs.	Physical Education and Hygiene..... 2 hrs.
Second Year	
History 201 and 202 United States or 211-212 English..... 6 hrs.	Psych. 201 General..... 3 hrs.
Pol. Sci. 101 Introduction..... 3 hrs.	Phil. 205 Logic..... 2 hrs.
Pol. Sci. 102 American Government..... 3 hrs.	Modern Language..... 6 hrs.
	Electives..... 6 hrs.
	Physical Education..... 2 hrs.

PRE-MEDICAL AND ALLIED SCIENCES

Pre-Dental, Pre-Medical, Pre-Veterinary Medical

Suggested Curriculum Leading to the Bachelor of Arts Degree with a Major in Biology or Chemistry

First Year	
Biology 101-102 General..... 8 hrs.	Chem. 113-114 General..... 10 hrs.
English 101-102 Composition... 6 hrs.	Modern Language..... 6 hrs.
Orientation..... 1 hr.	Physical Education and Hygiene 2 hrs.
Second Year	
Biology 210 Zoology..... 4 hrs.	Chem. 203 Quantitative Analysis..... 5 hrs.
Biology 211 Zoology..... 4 hrs.	Math. 103 Trigonometry..... 3 hrs.
Chem. 215 Organic or 304 Organic..... 3 hrs.	Math. 111-112 Algebra..... 4 hrs.
Chem. 216 Organic..... 2 hrs.	Modern Language..... 6 hrs.
or 305 Organic..... 3 hrs.	Physical Education..... 2 hrs.
Third Year	
Biology 310 Vertebrate Anatomy 4 hrs.	Social Science..... 3 hrs.
Biology 311 Vertebrate Embryology..... 4 hrs.	Speech..... 2 hrs.
Physics 201-202 General..... 10 hrs.	Electives (300 Courses)..... 10 hrs.
Fourth Year	
Chem. 311-312 Physical..... 6 hrs.	Social Science..... 6 hrs.
Psychology..... 6 hrs.	English (300 Courses)..... 5 hrs.
Electives (300 Courses)..... 11 hrs.	

YOUNGSTOWN COLLEGE

Pre-Medical Technology

Students registering for medical technology should see the chairman of the Pre-Medical Science Faculty Committee for the Registry of Medical Technologists.

For the requirements of the individual schools of dentistry, medicine, and veterinary medicine, see the chairman of the Pre-Medical Faculty Committee.

Combined Science-Nursing Required Five-Year Curriculum for the Bachelor of Science Degree

(Preparation for hospital ward supervision and instruction in nursing schools).

First Year

Biology 101-102 General.....	8 hrs.	Chem. 113-114 General.....	10 hrs.
English 101-102 Composition....	6 hrs.	Modern Language.....	6 hrs.
Orientation	1 hr.	Physical Education and Hygiene	2 hrs.

Second Year

First Semester

Biology 230 Human Physiology	4 hrs.	Chem. 215 and 216 Organic.....	5 hrs.
Psych. 201 General.....	3 hrs.	Soc. 103 Principles.....	3 hrs.
Nursing Orientation (Hospital course) One two-hour period a week.			

Beginning with the second semester of the second year until the first semester of the fifth year inclusive, the student will take a hospital nursing course leading to the diploma in nursing. (For outline of course and list of instructors see special hospital bulletins.)

Fifth Year

*Second Semester

Econ. 101 Principles.....	3 hrs.	Educ. 201 Introduction, 301 Principles, or 307 History.....	3 hrs.
Psych. 202 Educational.....	3 hrs.		
Electives	6 hrs.		

*Regarded as the completion of the sophomore year, hence full credit will be received for courses numbered 100.

Pre-Nursing

The Pre-Nursing Course is designed to meet the need for a better biological, sociological, and educational background for nursing education.

CURRICULA

Upon completion of the clinical training at the hospital, subsequent work at the college leading to a degree in the arts or sciences increases the professional opportunities of the graduate nurse.

Pre-Nursing Curriculum

Chem. 113-114 General.....	10 hrs.	Psych. 201 General.....	3 hrs.
Biology 101-102 General.....	8 hrs.	Soc. 103 Principles.....	3 hrs.
English 101-102 Composition...	6 hrs.	Physical Education and Hygiene	2 hrs.

All science-nursing students and pre-nursing students should have an interview before college matriculation with the head of the training school where they intend to take their work to make sure that they have met their hospital entrance requirements.

PSYCHOLOGY

Suggested Curriculum for the Bachelor of Arts Degree with a Major in Psychology

First Year

English 101-102 Composition...	6 hrs.	Soc. 102 Social Disorganization	3 hrs.
Biology 101-102 General.....	8 hrs.	Physical Education and Hygiene	2 hrs.
French or German.....	6 hrs.	Orientation	1 hr.
Soc. 101 Principles.....	3 hrs.		

Second Year

English 203 English Literature	3 hrs.	Soc. 204 Social Origins.....	3 hrs.
English 204 English Literature of 206 American Literature..	3 hrs.	Psych. 201 General.....	3 hrs.
French or German.....	6 hrs.	Psych. 202 Educational.....	3 hrs.
Biology 230 Human Physiology	3 hrs.	Physical Education.....	2 hrs.
		Electives	6 hrs.

Third Year

Psych. 206 Social.....	3 hrs.	Phil. 301 and 302 History.....	6 hrs.
Psych. 302 Abnormal.....	3 hrs.	Educ. 307 History.....	3 hrs.
Psych. 307 Marriage.....	3 hrs.	Sociology Elective.....	3 hrs.
Psych. 305 Child.....	3 hrs.	Electives	7 hrs.

Fourth Year

Psych. 301 Applied.....	3 hrs.	Psychology Electives.....	6 hrs.
Psych. 303 Religion.....	3 hrs.	Electives	18 hrs.

YOUNGSTOWN COLLEGE

SOCIAL SCIENCE

Suggested Curriculum for the Bachelor of Arts Degree with a Major in the Social Sciences

A major consists of forty-five hours, to be selected from history, economics, sociology, political science, psychology, and philosophy.

First Year

English 101-102 Composition.....	6 hrs.	Soc. 104 Social Disorganization	3 hrs.
Biology 101-102 General.....	8 hrs.	Physical Education and Hygiene	2 hrs.
Modern Language.....	6 hrs.	Orientation	1 hr.
Soc. 103 Principles.....	3 hrs.	Electives	2 hrs.

Second Year

English 203 English Literature	3 hrs.	Psych. 201 General.....	3 hrs.
English 204 English Literature	3 hrs.	Psych. 202 Educational.....	3 hrs.
or 206 American Literature	6 hrs.	History 105, 106 Europe Since	6 hrs.
Modern Language.....	6 hrs.	the Fall of Rome.....	2 hrs.
Econ. 101, 102 Principles.....	6 hrs.	Physical Education.....	2 hrs.

Third Year

Econ. 207 Financial Organiza-	3 hrs.	Acctg. 201-202 Elementary.....	6 hrs.
tion	3 hrs.	History 201 and 202 United	6 hrs.
Bus. Org. 324 Marketing.....	3 hrs.	States	6 hrs.
Pol. Sci. 101 Introduction.....	3 hrs.	Soc. 201 Crime and Penal In-	3 hrs.
Pol. Sci. 102 American Gov-	3 hrs.	stitutions	3 hrs.
ernment	3 hrs.	Electives	3 hrs.

Fourth Year

Psych. 301 Applied.....	3 hrs.	History 325 Modern Trends.....	3 hrs.
Econ. 401 Labor Problems.....	3 hrs.	Psych. 307 Marriage.....	3 hrs.
Econ. 402 Systems of Reform.....	3 hrs.	Soc. 301 History of Social	3 hrs.
Pol. Sci. 307 Municipal Govern-	3 hrs.	Thought	6 hrs.
ment	3 hrs.	Electives	6 hrs.
Pol. Sci. 308 Municipal Admini-	3 hrs.		
stration	3 hrs.		

COURSES OF INSTRUCTION

Courses are offered each year unless otherwise marked.

Courses marked with the date are not offered every year, but in most cases are offered on alternate years.

A course listed with a hyphen between numbers, as 101-102, indicates that credit is not given toward graduation for the work of one semester until the work of the other semester is completed except when special permission is granted by the head of the department involved. A course with a comma between the semester numbers, as 105, 106, indicates that the course extends throughout the year, but that credit toward graduation is given for the work of either semester.

Courses numbered from 101 to 199 are freshman courses; from 201 to 299, sophomore; and 301 and above are junior and senior courses.

ACCOUNTING

201-202. ELEMENTARY ACCOUNTING—Includes the theory of balance sheets, operating accounts, and working papers. Particular attention is given to the use of books of original entry and to the special ledger accounts. Setting up accounts and adjusting and closing books at the close of the fiscal period are developed through the use of a practice set and problems. Required of all who expect to take more advanced courses. This course does not count toward a major. *Three hours credit each semester.*

207. MATHEMATICS OF ACCOUNTING AND FINANCE—Covers short methods of computations, progressions, averages, turnover, compound interest, sinking funds, annuities, bond discount and premium, and logarithms. Advisable to have had one course in algebra. Prerequisite, Accounting 202. *Three hours credit.*

301. INTERMEDIATE ACCOUNTING—A study of corporate structure and accounts, together with such special subjects as actuarial science, averaging accounts, notes and acceptances, inventories, consignments, installment sales and fixed assets. Prerequisites, Accounting 201-202, 308-309. *Three hours credit.*

302. INTERMEDIATE ACCOUNTING—This subject covers investments, liabilities, funds and reserves, corrections of statements and books, analysis of statements, partnerships and venture accounts. Prerequisite, Accounting 301. *Three hours credit.*

303, 304. ADVANCED ACCOUNTING—The course covers such subjects as insurance, reserves, records, branch accounting, affiliated companies and consolidations. Prerequisite, Accounting 302. *Three hours credit each semester.*

305. SPECIALIZED ACCOUNTING—A course dealing with the requirements of different types of business, such as department stores, foundries, flour mills, banks, insurance companies, and others. Prerequisite, Accounting 302. *Three hours credit.*

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307. ANALYSIS OF FINANCIAL STATEMENTS—A study of the structure of the balance sheets and operating statements of typical companies representing industries of the three groups, public utilities, industrials, and moneyed corporations. Particular attention is paid to the practical value of analysis for purposes of determining business policies. Prerequisite, Accounting 302. *Three hours credit.*

308, 309. COST ACCOUNTING—A study of the principles of cost finding for manufacturing accounts. The work covered includes appropriate problems and a set of cost accounting books. The topics developed include the three-fold division of costing, with explanation of material accounting, payroll records, and the principles of recording and applying manufacturing expense. Special topics cover standard costs, estimating, and comparative costs. Prerequisite, Accounting 201-202. *Three hours credit each semester.*

401-402. AUDITING—A study of the methods of auditing, stressing the verification of balance sheets and operating statements. Particular attention is given to the analysis and use of prepared statements. The practical side is developed through a series of cases and reports. Prerequisite, Accounting 302. *Three hours credit each semester.*

403-404. FEDERAL AND STATE TAXES—This course covers such state taxes as domestic franchise, sales, use, and unemployment taxes. The federal group covers income, gift, estate, and capital stock taxes. Problems and actual tax returns are worked out as laboratory material for drill in the theory. Prerequisite, Accounting 302. *Three hours credit each semester.*

405, 406. C. P. A. QUIZ—It is assumed that candidates for this course are familiar with principles of accounting and related subjects. All types of accounting and auditing problems will be solved and discussed from standpoints of theory and practice. Special emphasis is placed on accuracy and clearness of solutions of such problems as are encountered in C. P. A. examinations. Lectures, tests, problems. Prerequisites, Accounting 304 and 401-402. *Three hours credit each semester.*

ART

103-104. POTTERY AND MODELING—Making of shapes, coiling, hand-building, decoration, and glazing. Tiles, figures, heads, mold making, and casting in plaster. Practice in typical problems in relief and in the round. *Three hours credit each semester.*

105, 106. ADVERTISING ART—Plain and fancy lettering. Attention to layouts, design, and color. Practical problems. Process in reproducing work, silk screen, linoleum block, photo bleach, monoprint, plain etching, soft-ground etching, drypoint. Current tendencies studied. *Three hours credit each semester.*

110, 111. COLOR AND DESIGN—Color theories and harmonies. Creating of design, stylizing natural elements to develop design motifs, abstract design emphasizing forceful, expressive shapes, application of design. Study of pattern construction. Discussion and study of the development of historical styles. Application to craft problems. *Three hours credit each semester.*

ART

113-114. HISTORY OF ART—GENERAL—A survey of the history of architecture, sculpture, painting, and the minor arts from pre-historic periods to the present day, to prepare the student for analytical discrimination in his own experiences. Art appreciation. Lectures with lantern slides. Study of reproductions and of original collections in museums in this section. *Three hours credit each semester.*

201, 202. DRAWING AND PAINTING FROM LIFE—ELEMENTARY—Instruction in elementary and advanced drawing and painting from male and female models in the near nude. Individual instruction is given, the work of each student being under the constant direction of the instructor. When students in drawing have attained the required proficiency they may advance to oils, and later to water color and pastel. *Three hours credit each semester.*

203, 204. DRAWING AND PAINTING—Principles of space division, light and shade, and their relation to form and pattern. Form thought as illuminated compared with form thought as having character. Color composition, experience with different media, pencil, charcoal, water color, opaque water color, and oil. Dealing with arrangements of still life, figures, landscape, and illustration to develop a sense of plastic composition. *Three hours credit each semester.*

206. HISTORY OF ART—ITALIAN RENAISSANCE—After a short survey of Byzantine art, this course will consider in greater detail the work of the great figures in the major arts during the fourteenth, fifteenth, and sixteenth centuries in Italy, and their connection with the history and philosophy of the times. Assignments. Lectures with lantern slides. Study of reproductions and of original collections in museums in this section. Prerequisite, Art 113-114. *Three hours credit.*

207. HISTORY OF ART—MODERN ART—To follow course 206. A brief survey of the Italian Renaissance, its causes, achievements, and ideals. The study of European and American art from the sixteenth century to the present day in relation to the history and philosophy of the times. Lectures with lantern slides. Study of reproductions and of original collections in museums in this section. Prerequisites, Art 113, 114, 206. *Three hours credit.*

208, 209. ADVANCED MODELING—This course includes the completion of designs in a manner corresponding to practical studio work. Study of abstract volumes, creative design, and abstract design. Modern tendencies in pottery forms and figure work. Prerequisites, Art 103, 104. *Three hours credit each semester.*

211, 212. ADVANCED COLOR AND DESIGN—Appreciation of design of the highest order. Emphasis on fine relationships of tone, line, and color. Design as intellectually understood and as emotionally felt. Psychological theory of color. Color systems. New tendencies in pattern construction. *Three hours credit each semester.*

215, 216. ADVANCED ADVERTISING ART—Study of modern layout practice and technique of rendering in different media. Special work in silk screen, air brush, lithograph. Special assignments, book plates, trade marks, packaging, booklets. Rapid and fine execution of lettering. *Three hours credit each semester.*

301, 302. DRAWING AND PAINTING FROM LIFE — ADVANCED—Continuation of Art 201, 202. *Three hours credit each semester.*

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303, 304. **ADVANCED DRAWING AND PAINTING**—Emphasis on organization, with actual spatial composition. To develop the power to see significantly rather than imitatively. Explorative methods encouraged. Figures, landscape, and still life. Prerequisites, Art 203, 204.

Three hours credit each semester.

305, 306. **HOUSEHOLD ARTS**—A course to distinguish the different styles of the past in interior decoration, to appreciate the evolutionary process, to give confidence in the selection of materials in experiments with practical problems. (1940-41)

Three hours credit each semester.

ASTRONOMY

201. **ASTRONOMY**—A descriptive and non-mathematical study of the stars and the solar system. An analysis of the present theories of the universe and some observational sessions with telescope and field glass.

Three hours credit.

BIBLE AND RELIGIOUS EDUCATION

101. **THE LIFE OF CHRIST**—This course is based on the four gospels, with particular attention to one of them. The student is encouraged to think and evaluate for himself the unique personality of Jesus.

Two hours credit.

102. **THE APOSTOLIC AGE**—The aim of the course is to enable the student to grasp the significance of the progress of Christianity. The study will deal with the Acts of the Apostles and certain of the epistles. The work and teachings of St. Paul will be considered in their relation to the development and activity of the early church. (1940-41)

Two hours credit.

103. **A FAITH FOR TODAY**—This course seeks to give the student an intelligent background for a reasonable and wholesome faith. To face squarely such questions as the meaning of life, of man, and of God.

Two hours credit.

104. **OLD TESTAMENT**—This course traces the Old Testament record from Genesis to the return from captivity. Special attention is given to the Patriarchal age, the deliverance of Israel from bondage, the Mosaic laws, the institution of the Hebrew system of worship, the conquest and division of Canaan, the captivities and return therefrom. The historical background of the surrounding nations, the historical geography of Palestine, and the results of recent archaeological research are touched upon, especially as these help to unfold the history of the period. (1939-40)

Two hours credit.

BIOLOGY

Preparation for the following professions, or study leading to them, may be obtained in this department:

Teaching, research (entomology, etc.), medical science (medicine, dentistry, veterinary medicine, nursing, medical technology), agriculture, wildlife conservation, forestry, nature counseling, museum work. An introduction to the science of man may be obtained in Physical Anthropology (Biology 220), Human Physiology (Biology 230), and Genetics (Biology 240).

BIOLOGY

All of the four-hour courses are taught as correlated "lecture-laboratory" courses. The three-hour courses are demonstration courses.

- 101-102. GENERAL BIOLOGY—The living organisms. Fee, \$5.00 each semester. *Four hours credit each semester.*
201. BOTANY I—Structure and activities of plants. Prerequisite, Biology 101-102. Fee, \$5.00. (1940-41) *Four hours credit.*
202. BOTANY II—Classification of plants and their relation to their surroundings. Prerequisite, Biology 101-102. Fee, \$5.00. (1940-41) *Four hours credit.*
210. ZOOLOGY I—The invertebrate animals. Prerequisite, Biology 101-102. Fee, \$5.00. *Four hours credit.*
211. ZOOLOGY II—The vertebrate animals. Prerequisite, Biology 101-102. Fee, \$5.00. *Four hours credit.*
220. PHYSICAL ANTHROPOLOGY—The biology of man as regards his evolution, affinities, life cycle, and races. Prerequisite, Biology 101-102. Fee, \$2.00. *Three hours credit.*
230. HUMAN PHYSIOLOGY—Human functioning. Prerequisites, Biology 101-102, and a knowledge of elementary chemistry. Fee, \$2.00. (Summer) *Three hours credit.*
240. GENETICS—Principles of inheritance, organic evolution, and eugenics. Prerequisite, Biology 101-102. Fee, \$2.00. *Three hours credit.*
301. BACTERIOLOGY—The bacteria. Prerequisites, Biology 101-102, and principles of inorganic and organic chemistry. Fee, \$7.00. (Summer) *Four hours credit.*
305. PARASITOLOGY—The protozoan, helminth, and arthropod parasites of man and other animals. Prerequisite, Biology 210. Fee, \$5.00. *Four hours credit.*
306. ENTOMOLOGY—The insects. Prerequisite, Biology 210. Fee, \$5.00. *Four hours credit.*
310. VERTEBRATE ANATOMY—Comparative study of the vertebrate organ systems. Prerequisite, Biology 211. Fee, \$7.00. *Four hours credit.*
311. VERTEBRATE EMBRYOLOGY—Comparative study of the early developmental stages of the vertebrates. Prerequisite, Biology 211. Fee, \$5.00. *Four hours credit.*
312. VERTEBRATE HISTOLOGY AND HISTOLOGICAL TECHNIQUE—Structure of vertebrate tissues, including the preparation of tissues for microscopic examination. Prerequisite, Biology 211. Fee, \$7.00. (1940-41) *One or more hours credit.*
401. SPECIAL PROBLEMS—By permission. Fee, variable. *One or more hours credit.*
402. SPECIAL READINGS—By permission. *One or more hours credit.*

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BUSINESS ORGANIZATION

101. **PRINCIPLES OF BUSINESS**—An introductory course in business administration which is designed to give the student information concerning the development of forms of business enterprises, management, relationship between employer and employee, credit, banking, and elementary accounting. *Three hours credit.*

201. **BUSINESS LAW**—This course is designed to give the student a practical working knowledge of contracts, agency, negotiable instruments, bailments, carriers, and sales. A study of legally binding agreements between persons, and their enforcement, including the making of a contract, the effect of fraud, duress, undue influence, etc. *Three hours credit.*

303. **BUSINESS LAW**—A study of the law of partnerships, corporations, property, bankruptcy, and insurance. The course covers wills, estates, and the relationship of debtor and creditor. Prerequisite, Business Organization 201. *Three hours credit.*

315. **CORPORATION FINANCE**—A study of promotion of new industries, capital structure of corporations, evolution of a business, working capital, surplus, dividends, voting trusts, investment trusts, public utilities, cooperative plans and reorganizations. (1939-40) *Three hours credit.*

322. **CREDITS AND COLLECTIONS**—This course deals with credit instruments and classes of credit. Also credit agencies, collection agencies, collections, collection methods, and the place of the credit man in business. Prerequisite, Economics 307. *Three hours credit.*

324. **MARKETING**—A general survey of the field of marketing. A study of marketing functions and policies and marketing institutions. Prerequisite, Economics 101. *Three hours credit.*

325. **SALESMANSHIP**—This course covers a knowledge of goods, study of customers and their wants, buying motives, planning a sale, attitudes of buyers, meeting objections, closing the sale, cultivation of personality, problems in sales management, sales organization, sales planning and research, and others. *Three hours credit.*

327. **ADVERTISING PRINCIPLES**—A survey study of advertising as an instrument of modern business, economics of advertising, advertising research, media, trade-marks, campaigns. A discussion of copy writing, type, layout, methods, and the psychology of advertising. *Two hours credit.*

328. **ADVERTISING PRACTICE**—This course offers an opportunity for practical application of the principles taught in Advertising Principles. The work covers study of the product, selection of mediums, determination of appeals to be made and the amount of space desired, problems of writing copy, type faces and type problems, and layout of advertisements. Prerequisite, Business Organization 327. *Two hours credit.*

329. **ADVERTISING COPY**—An advanced course stressing the practical application of the subjects covered in Advertising Principles. Writing of newspaper, magazine, direct-mail and radio script copy is executed in class under skilled supervision. Advanced layout design is also presented comprehensively. Training aimed to develop all talents for writing. Prerequisite, Business Organization 328. *Two hours credit.*

330. **INSURANCE**—A general course covering the many different types of insurance, such as life, fire, tornado, windstorm, marine, workman's compensation, title, bonds, and many others. The course includes the fundamentals of rate making, reinsurance, organization and management of insurance companies, and legal interpretations of the insurance contract. *Three hours credit.*

CHEMISTRY AND CHEMICAL ENGINEERING

The courses offered in chemistry will enable the student not only to major in the subject and acquire the fundamental background necessary for graduate work, or any specialized study, but also to take additional courses in the field of chemistry in which he is especially interested.

Chemistry majors, studying for the Bachelor of Arts degree, are required to take the following courses: 109 or 111, 110 or 112, 203, 209, 304, 306, 311, 312, and 407. Those studying for the Bachelor of Science degree in chemistry are required to take the following courses in addition: 319, 320, 419, 421, and 401, 342, 343, or 404.

As the work in chemical engineering is being newly introduced there will be no demand for a year or two for a number of advanced courses. For this reason the descriptions of all courses are not included in the catalog this year. The courses required for the engineering work are listed in the chemical engineering curriculum.

109-110. GENERAL CHEMISTRY—Two lectures and recitations and two two-hour laboratory periods each week. A study is made of the non-metallic elements and of the fundamental laws and principles of chemistry. For those who have not had chemistry in high school. Fee, \$5.00 each semester.
Four hours credit each semester.

111-112. GENERAL CHEMISTRY—Hours and credits same as 109-110. A more advanced course in general chemistry for those who have had a satisfactory year's work in high school. Fee, \$5.00 each semester.
Four hours credit each semester.

113-114. GENERAL CHEMISTRY—A course in general chemistry including work in qualitative analysis. For students who do not intend to major in any phase of physical science. More emphasis is placed on the phases of work of interest to the pre-nursing, pre-medical, and biology students and less on the industrial and mathematical phases. The laboratory work of the second semester is devoted to inorganic qualitative analysis. Fee, \$5.00 each semester.
Five hours credit each semester.

115. SURVEY OF ENGINEERING—Lectures, readings, and reports. The student is helped to see the profession of engineering in its entirety so he may better select the phase in which he is most interested and best fitted.
One hour credit.

203. QUANTITATIVE ANALYSIS—One lecture and recitation and twelve hours laboratory each week. Gravimetric, volumetric, and colorimetric analysis. Prerequisite, Chemistry 209. Fee, \$9.00.
Five hours credit.

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209. **QUALITATIVE ANALYSIS**—Two lectures and eight hours of laboratory work each week. A course in the systematic separation and detection of the more common cations and anions and also the determination of a number of salts. Considerable emphasis is placed upon the theory underlying the work. For chemistry majors. Prerequisite, Chemistry 109-110 or 111-112. Fee, \$7.00. *Five hours credit.*

211. **QUALITATIVE ANALYSIS**—One lecture and five hours of laboratory work each week. A course in the systematic separation and detection of the cations, including a study of the theory underlying the work. This course is designed for students who do not care for the full five-hour course and for those who wish to divide the qualitative work into two semesters. Prerequisite, Chemistry 109-110 or 111-112. Fee, \$5.00. *Three hours credit.*

212. **QUALITATIVE ANALYSIS**—One lecture and five hours of laboratory work each week. This course follows 211 and deals with the anions and salts. Prerequisite, Chemistry 211. Fee, \$5.00. *Three hours credit.*

215. **ORGANIC CHEMISTRY**—Three lectures and recitations each week. A course in organic chemistry briefly covering the nomenclature, properties, and departments of aliphatic and aromatic carbon compounds with emphasis on the biological phases of organic chemistry. For biology majors, nurses, and pre-medical students. Prerequisite, Chemistry 209 or 211. *Three hours credit.*

216. **ORGANIC CHEMISTRY**—Two three-hour laboratory periods each week which include one discussion period. The work consists of the preparation and study of typical aliphatic and aromatic compounds. Prerequisite or concurrent, Chemistry 215. Fee, \$5.00. *Two hours credit.*

217. **QUANTITATIVE ANALYSIS**—Two three-hour laboratory periods including one discussion. This course covers the gravimetric work of Chemistry 203. Prerequisite, Chemistry 209 or 212. Fee, \$7.00. *Three hours credit.*

218. **QUANTITATIVE ANALYSIS**—Two three-hour laboratory periods including one discussion. This course covers the volumetric work of Chemistry 203. Prerequisite, Chemistry 209 or 212. Fee, \$7.00. *Three hours credit.*

304. **ORGANIC CHEMISTRY**—Five lectures and recitations each week. A study is made of the nomenclature, properties, and departments of the aliphatic aromatic carbon compounds. Prerequisite, Chemistry 209. *Five hours credit.*

306. **ORGANIC CHEMISTRY**—Three three-hour laboratory periods each week which include one discussion period. The work consists of the preparation and study of typical aliphatic and aromatic compounds. Prerequisite or concurrent, Chemistry 304. Fee, \$7.00. *Three hours credit.*

308. **ORGANIC CHEMISTRY**—Three hours of laboratory work each week with references. Advanced organic preparations. Prerequisite or concurrent, Chemistry 306. Fee, \$3.00. *One hour credit.*

311-312. **PHYSICAL CHEMISTRY**—Three lectures and recitations each week. A course in the principles of theoretical chemistry, including the study of: The structure of matter, equilibria, chemical kinetics, chemical thermodynamics, electro-chemistry, catalysis, and mechanism of reaction. Problem work is included. Prerequisite, Chemistry 209. Prerequisite or concurrent, Mathematics 209-210 and Physics 201-202. *Three hours credit each semester.*

CHEMISTRY AND CHEMICAL ENGINEERING

315. BIOLOGICAL CHEMISTRY—Three lectures and recitations. A course designed to follow general organic chemistry for those students interested in the biological sciences and medicine. Prerequisite, Chemistry 304. (1939-40) *Three hours credit.*

317. BIOLOGICAL CHEMISTRY—One hour discussion and five hours laboratory work each week. A laboratory course to accompany or follow Chemistry 315. (1939-1940). Fee, \$5.00. *Two hours credit.*

319-320. PHYSICAL CHEMISTRY—Two three-hour laboratory periods each week including one discussion period. Quantitative investigation of gas laws, surface tension, speed of reaction, solutions, phase diagrams, electromotive force, hydrogen ion concentration, and absorption. Prerequisite or concurrent, Chemistry 311-312. Fee, \$5.00 each semester. *Two hours credit each semester.*

323. METALLURGY, NON-FERROUS — Two lectures and recitations each week. A study of the sources and content of non-ferrous ores, the design and operation of various metallurgical furnaces, extraction and refining methods, properties and uses of the metals and their alloys. Prerequisite, Chemistry 203. *Two hours credit.*

324. METALLURGY, FERROUS — Two lectures and recitations each week. A study of iron and steel, beginning with location of ore bodies and following through various processes to the salable product. The study includes construction of furnaces, smelting, and refining operations; fuels, refractories, and fluxes used; temperature measurements, mechanical operations, and value and uses of finished product. Prerequisite, Chemistry 203. *Two hours credit.*

325. METALLURGY, NON-FERROUS—Two three-hour laboratory periods each week including one discussion period. The work includes the making and study of cooling curves of pure metals, making and calibration of thermocouples, and the building of phase diagrams of the lower melting alloys. Prerequisite or concurrent, Chemistry 323. Fee, \$7.00. *Two hours credit.*

326. METALLURGY, FERROUS — Two three-hour laboratory periods each week including one discussion period. A laboratory course designed to familiarize the student with the physical properties of iron and steel. Experiments are performed to determine the effects of heat treatment, hot work, cold work, and the relation of the phase diagram to such effects. The work is supplemented with plant visits. Prerequisite or concurrent, Chemistry 324. Fee, \$7.00. *Two hours credit.*

342. METALLURGICAL ANALYSIS — One lecture and two three-hour laboratory periods each week. A qualitative and quantitative analysis of natural ores, commercial alloys, and fluxes. Prerequisite, Chemistry 203. Fee, \$5.00. *Three hours credit.*

343. GAS AND FUEL ANALYSIS—One lecture and two three-hour laboratory periods each week. The work consists of the analysis of natural and artificial gases, gas calorimetry, analysis and calorimetry of coal, and the analysis and physical testing of oils. Prerequisite, Chemistry 203. Fee, \$5.00. *Three hours credit.*

401. ADVANCED QUANTITATIVE ANALYSIS—Six or nine laboratory hours which include one discussion period. The work includes colorimetric, turbidimetric, and hydrogen ion determinations. Prerequisite, Chemistry 203 or its equivalent. Fee, \$5.00 to \$9.00. *Two to four hours credit.*

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404. ORGANIC ANALYSIS—Twelve laboratory hours each week including one discussion period. The work is a study of systematic methods of separation, purification, and identification of organic compounds, and practice in the standard methods for the quantitative analysis of organic compounds. Prerequisite, Chemistry 306. (1940-41) Fee, \$9.00.
Four hours credit.

407. CHEMICAL LITERATURE—Conferences and reports. Designed to train the student in the use of chemical journals, dictionaries, hand books and reference books. The student is required to abstract articles and work out bibliographies. Prerequisite, Chemistry 304. *One hour credit.*

415. ELECTRO-CHEMISTRY—Two lectures and two three-hour laboratory periods each week. The fundamental principles and applications of electro-chemistry are considered and correlated laboratory experiments are carried out. Open to juniors and seniors who have had Chemistry 203. Fee, \$5.00. *Four hours credit.*

419. ADVANCED INORGANIC CHEMISTRY—Two lectures and recitations each week. An advanced course in inorganic chemistry stressing the more difficult points of theory. Prerequisite, Chemistry 209. (1940-41) *Two hours credit.*

421. ADVANCED ORGANIC CHEMISTRY—Two lectures and recitations each week. An advanced course in theory of organic chemistry. Prerequisite, Chemistry 304. (1940-41) *Two hours credit.*

423. METALLOGRAPHY, FERROUS — One lecture and two three-hour laboratory periods. A study of the alloys of iron, including the microscopic examination of these alloys and a study of the cooling curves and diagrams and determining the correlation of mechanical work, heat treatment and physical properties with physical and chemical structure. Prerequisite, Chemistry 326. Fee, \$7.00. *Three hours credit.*

424. METALLOGRAPHY, NON-FERROUS — One lecture and two three-hour laboratory periods each week. A study of the underlying theories of the solidification of non-ferrous metals and alloys, alloy types, and the phase rule and its application to the phase diagram. Microscopic examination is made of the non-ferrous alloys. Prerequisite, Chemistry 326. Fee, \$7.00. *Three hours credit.*

ECONOMICS

101, 102. PRINCIPLES OF ECONOMICS — This is the introductory course in economics, prerequisite to all other courses in the department. It attempts to familiarize the student with economic terminology, and with some of the characteristics of contemporary economic life. The fundamental principles of capitalism are studied and compared with the basic principles of rival economic systems. *Three hours credit each semester.*

104. ECONOMIC GEOGRAPHY—An elementary survey of the raw materials of the earth, methods of livelihood, land utilization, and population problems. *Three hours credit.*

207. FINANCIAL ORGANIZATION—The aim of the course is two-fold; first, to furnish a foundation for the more technical studies in the field of finance; and second, to describe the financial institutions with which the average person comes in contact in life, such as the commercial bank, building and loan association, finance company. Prerequisite, Economics 101, 102. *Three hours credit.*

MARKETING—See Business Organization 324.

ECONOMICS, EDUCATION

303. ECONOMIC HISTORY OF THE UNITED STATES—A study of the influence of economic forces on the evolution of our national life and their effect upon our religious and social development. Prerequisite, Economics 101, 102. *Three hours credit.*

304. PUBLIC FINANCE—A survey of the development and present status of public finance: federal, state, and local taxation; public credit; the budget; financial administration. Prerequisite, Economics 101, 102. *Three hours credit.*

401. LABOR PROBLEMS—A historical and critical study of the labor movement in this country and in England, with special emphasis on the structure and functions of trade unions at the present time. Prerequisite, Economics 101, 102. *Three hours credit.*

402. SYSTEMS OF REFORM—Russian communism, German nazism, and Italian fascism are studied as rivals of American capitalism. Prerequisite, Economics 101, 102. *Three hours credit.*

408. ECONOMIC THEORY—A course for seniors majoring in economics. A part of the course is concerned with the history of economic theory. This is followed by a study of several leading economists of the present time, and an introduction to some of the significant writings in the field. Prerequisite, Economics 101, 102. *Three hours credit.*

EDUCATION

201. INTRODUCTION TO TEACHING—An orientation course in education aiming to give the prospective teacher a general view of the school of today and of its historical development. Each student should build for himself a sound philosophy of education based on the findings of science and with a forward-looking attitude toward the ideal school of tomorrow. The qualifications and preparation of the prospective teacher are studied. Open to sophomores, juniors, and seniors. *Three hours credit.*

301. PRINCIPLES OF TEACHING—A study of general methods of high school teaching: typical classroom procedure, the methods utilized by superior teachers, attention to individual differences, measuring the results of teaching, planning the instruction. Observation of teaching in high schools. Open to juniors and seniors. *Three hours credit.*

304. CLASSROOM ADMINISTRATION, ORGANIZATION, AND MANAGEMENT—A study of problems of classroom control, attendance, organization, curriculum, program, procedure, and of extracurricular activities, in the light of a modern philosophy of education. Observation of teaching in high schools. Open to juniors and seniors. *Three hours credit.*

306. EDUCATIONAL MEASUREMENT AND GUIDANCE—A study of the construction, administering, scoring, and interpreting of the new type objective examination; the selection, administering, scoring and interpretation of results of standardized tests and scales, and their use in vocational and educational guidance. Open to juniors and seniors. Fee, \$1.00. *Two hours credit.*

306A. EDUCATIONAL MEASUREMENT, GUIDANCE, AND STATISTICS—The same as Education 306, with the addition of a study of elementary statistics as applied to educational data. *Three hours credit.*

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307. HISTORY OF EDUCATION—A study of the historical development of educational organizations, objectives, curricula, and methods with special reference to a better understanding of modern educational conditions and problems. The place of education in various civilizations, especially our modern Western civilization, is studied. This course may be counted also on a major or minor in history. Open to sophomores, juniors, and seniors. *Two or three hours credit.*

308. EDUCATIONAL SOCIOLOGY—A study of sociological foundations of education: the relation of the individual and the social group, the school as a social institution, the relations of the home, the community, and the state and education, the relations of social control, social progress, democracy, efficiency, and culture and education; and a study of the social aspects of specific school problems: the selection of educational objectives, the educative process, the curriculum, educational guidance, school control, moral education, and the selection and improvement of teachers. This course may be counted on a major or a minor in sociology. Open to sophomores, juniors, and seniors. *Three hours credit.*

400. SPECIAL METHODS—A study of problems involved in the teaching of different high school subjects. Each student will specialize on the subject of his special interest. Observation of teaching in public secondary schools; reports; term paper. Each student will have a conference each week with the head of the department of his major teaching subject. At least one-fourth of the instruction in the course will be given by that department head or by some teacher appointed by him. Prerequisite, Education 301. Open to seniors. *Two hours credit.*

404. SUPERVISED STUDENT TEACHING—Observation and teaching of high school classes under the direction and guidance of supervisors. Students meet in class one period each week for announcements and to discuss problems. Conferences with the instructor or the critic teacher will be scheduled or on call. To take this course students must make written application on the form provided for this purpose during the previous semester, and must have the unqualified approval of the heads of the departments in which he is specializing for the purpose of teaching, and of the head of the department of education. He must also present a statement from the English department certifying that his use of oral and written English is of the quality satisfactory for high school teaching. He should maintain a quality point average not lower than 2.00 in his major and minor teaching fields and not lower than 1.5 in all of his college work. No student will be admitted to this course whose centile rank is lower than thirty-four in the Ohio State University Psychological Test or lower than forty in the American Council on Education Cooperative English Test. It is understood, however, that the actual classroom teaching must be satisfactory; otherwise, it may be discontinued at any time. Open to approved seniors during their last semester in college. Fee, \$10.00. *Three hours credit.*

404A. SUPERVISED STUDENT TEACHING AND APPRENTICESHIP—Admission to this course is on the same basis as admission to Education 404. Three semester hours of credit will be earned in student teaching. The additional two or three semester hours of credit will be earned as an apprentice teacher under the direction of the principal of the high school to which the student is assigned or some person designated by him. The apprentice teacher may be assigned to do substitute teaching, study hall supervision, office work, pupil personnel work, observation of teaching, research work, or anything that a regular teacher might be expected to do. Open to approved seniors during their last semester in college. Fee, \$10.00.

EDUCATIONAL PSYCHOLOGY—See Psychology 202.

ENGINEERING, ENGLISH

ENGINEERING

CHEMICAL ENGINEERING—See Chemistry.

MECHANICAL ENGINEERING—See Physics.

ENGINEERING DRAWING

101, 102. PRINCIPLES OF ENGINEERING DRAWING—Four two-hour periods each week; detail mechanical drawing; machine assembly and layout; lectures on designing, calculations made by the slide rule; analysis of stresses in joints; determining stresses in members of trusses by the methods of moments and graphics and the design of same; second semester, twelve weeks of "drawing board geometry" involving a study of points, lines, planes, etc. in space, dealing with all of the principles of descriptive geometry, but approached through the language and symbols used in mechanical engineering drawing; followed by perspective projection.

Four hours credit each semester.

201, 202. ENGINEERING DRAWING—Application of the principles of mechanical and structural designing to advanced problems. Elements of surface development as applied to practical designs of specially shaped tanks, and sheet metal development; assembly and detail of special equipment; cam and gear development including sprocket, bevel, worm and helical gearing; welded structural objects and replacement of castings by welded machine parts; design of punching and drawing dies; pictorial representation by isometric principles; mill and shop building layout and detail both steel and wooden construction.

Three hours credit each semester.

ENGLISH

English majors are expected to complete courses 101-102; 203, 204; or 205, 206; 351-352, and Speech 115. Course 205 or 206 is required of all students who plan to teach high school English, and may be substituted for 204. English 101-102 is prerequisite to all other English courses.

ENGLISH X—An examination in English will be given to all new students during the week preceding the beginning of classes. Those students whose grades show a definite deficiency in English fundamentals will be required to register for English X in addition to English 101. The course will meet twice a week and will carry no credit. Fee, \$5.00.

101-102. ENGLISH COMPOSITION—A study of the elementary principles of composition, to teach the habits of clear and correct expression. Reading of models, writing of themes, class discussions, and personal conferences. Prerequisite to all other English courses.

Three hours credit each semester.

203, 204. SURVEY OF ENGLISH LITERATURE—A study of the masterpieces of English prose and poetry, with emphasis on forms and backgrounds. Prerequisite, English 101-102.

Three hours credit each semester.

205, 206. SURVEY OF AMERICAN LITERATURE—First semester: Colonial times to 1860. Second semester: Civil War to the present. Prerequisite, English 101-102.

Three hours credit each semester.

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213. JOURNALISM—News writing and reporting, page make-up, editorial writing, theory and practice. Studies of form, content, purpose, and ethics of journalism. This course is designed to meet the need for a motivated, advanced English course. Prerequisite, English 101-102. (1939-40)
Three hours credit.

251. CONTEMPORARY AMERICAN ENGLISH—A brief survey of the earlier development of the English language followed by a more thorough study of contemporary American pronunciation and usage. This course is intended for students not majoring in English and should prove particularly helpful to teachers. English majors should take English 351-352. (Summer)
Three hours credit.

351-352. HISTORY OF THE ENGLISH LANGUAGE—A survey of the development of the language from Old English to Modern English, with an intensive study of Modern English sounds, inflections, syntax, word meanings, and usage. Prerequisite, English 101-102.
Three hours credit each semester.

353. ADVANCED COMPOSITION—A course in writing for students who wish to go beyond English 101-102. Opportunity will be given for the development of creative ability. Group meetings and individual conferences. Prerequisite, English 101-102. (1940-41)
Three hours credit.

361. ENGLISH NON-DRAMATIC LITERATURE OF THE SIXTEENTH AND SEVENTEENTH CENTURIES—A study of the more important works in prose and verse from the early humanists to the death of Dryden. Particular attention will be given to such men as Lyly, Sidney, Spenser, Bacon, Milton, Butler, and Dryden. Prerequisite, English 101-102. (1939-40)
Three hours credit.

363. ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY—A study of English literature from the reign of Anne to the Romantic period, with attention to such major figures as Defoe, Addison, Steele, Pope, Swift, Johnson, Goldsmith, Boswell, Gibbon, and Burns. Prerequisite, English 101-102. (1939-40)
Three hours credit.

365-366. ROMANTIC PERIOD—First semester: Prose—Lamb, Hazlitt, Hunt, DeQuincey, and Landor. Second semester: Poetry—Wordsworth, Coleridge, Scott, Byron, Shelley, Keats. Prerequisite, English 101-102. (1940-41)
Two hours credit each semester.

367, 368. VICTORIAN LITERATURE—A study of the principal literary figures from 1832 to 1914, including Carlyle, Tennyson, Browning, Arnold, Macaulay, Ruskin, and Swinburne. Prerequisite, English 101-102. (1939-40)
Three hours credit each semester.

371. CHAUCER AND HIS PERIOD—Reading of Chaucer's principal works, and a brief survey of his predecessors, contemporaries, and successors. Prerequisite, English 101-102. (1940-41)
Three hours credit.

373-374. SHAKESPEARE—An intensive study of Shakespearean drama and its relation to the life and literature of Elizabethan England. Prerequisite, English 101-102. (1940-41)
Three hours credit.

381. THE ENGLISH NOVEL—A study of the history and development of the novel in England during the eighteenth and nineteenth centuries. Prerequisite, English 101-102. (1940-41)
Three hours credit.

383. HISTORY OF ENGLISH DRAMA—A survey of English drama from the sixteenth century to the nineteenth, excluding Shakespeare. Emphasis will be mainly on the works of Elizabethan and Restoration writers. Prerequisite, English 101-102. (1940-41)
Three hours credit.

ENGLISH, SPEECH, FRENCH

385. MODERN DRAMA SINCE 1870—A survey of the field of modern drama, particularly the one-act play. Emphasis on appreciation, structure, and laws of English, Irish, and American productions. Prerequisite, English 101-102. (1940-41) *Three hours credit.*

Speech

115, 116. FUNDAMENTALS OF SPEECH—This course aims to develop self-expression through the medium of mind, body, and voice. The attainment of this objective is sought by a study of proper speech habits and practice in the delivery of numerous extemporaneous and memorized speeches. Some time is devoted to speech recording and to a study of radio speech problems. *Two hours credit each semester.*

219, 220. PLAY PRODUCTION—The purposes of this course are threefold: to create an interest in the legitimate drama and an appreciation for it, particularly as it is found in the little theaters of today; to acquire a knowledge of the processes used in producing such dramas; and to gain some practical experience in producing plays in class and for the public. This course may be entered at the beginning of either semester. *Two hours credit each semester.*

313. PRACTICAL PUBLIC SPEAKING—A practical course in the effective construction and delivery of business talks. The student is frequently required to deliver short talks before the class. This course is of especial interest to professional and business men. Repeated second semester. *Two hours credit.*

FRENCH

Students of Youngstown College who are adequately proficient in French may pursue the studies of their junior year at the University of Grenoble in France, attending the regular courses for foreign students which are offered by that university. The work consists of lectures on French language, literature and civilization by professors at the university, supplemented by individual discussions and assignments under the direction of M. A. Duraffour, professor of French Philology at the Faculty of Letters. Credit for work done is entered as an integral part of the student's record at Youngstown College. Further information in regard to these courses may be had upon request from the department of modern languages.

101-102. ELEMENTARY FRENCH—Fundamental principles of grammar and extensive reading in simplified texts, for the purpose of preparing the student to read at sight simple French of minimum vocabulary content. *Three hours credit each semester.*

203. INTERMEDIATE FRENCH—Modern short stories and plays are read and discussed in French. Grammar is reviewed in connection with an elementary composition book. Prerequisite, French 102 or two years of high school French. *Three hours credit.*

204. INTERMEDIATE FRENCH—A continuation of French 203. The texts in this course are chosen with a view to their value as an introduction to the study of French literature and civilization. Prerequisite, French 203 or three years of high school French. *Three hours credit.*

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The prerequisite of all courses in the 300 group is French 204, four years of high school French, or the ability to read French for literary appreciation.

305. FRENCH LITERATURE OF THE RENAISSANCE—A course dealing with the various tendencies of French thought during the sixteenth century, but devoted principally to a study of Rabelais, Ronsard, and Montaigne. (1942-43)
Three hours credit.

306. THE SEVENTEENTH CENTURY—A survey of the great writers of the Golden Age of French literature, with particular stress on the works of La Fontaine, and those of the prose writers Bossuet, Pascal, and La Bruyère. (1942-43)
Three hours credit.

307. MODERN FRENCH DRAMA—A study of representative works of the two Dumas, Hugo, Musset, Vigny, Brieux, Rostand, and others. (1939-40)
Three hours credit.

308. CLASSICAL FRENCH DRAMA—Various masterpieces of Corneille, Racine, and Molière are studied with reference to their value as poetry and to their significance as an expression of contemporary thought. (1939-40)
Two hours credit.

309. THE NOVEL IN FRANCE—Extensive reading of representative novels in connection with the intensive study of chosen selections. (1940-41)
Three hours credit.

310. CONTEMPORARY FRENCH LITERATURE—Selections will be studied from the works of Gide, Duhamel, Valéry, Cocteau, Giraudoux, Mauriac, and other twentieth century writers. (1940-41)
Three hours credit.

311. PROSE WRITERS OF THE EIGHTEENTH CENTURY—A study of the doctrines and tendencies of French thought of the eighteenth century as illustrated in the writings of Voltaire, Diderot, Rousseau, and others. (1942-43)
Three hours credit.

312. MODERN FRENCH POETRY—A study of the three principal movements of nineteenth century poetry: Romanticism, le Parnasse, and Symbolism, illustrated by interpretative lectures. Selected poems will be studied by the method of Explication de Textes. (1942-43)
Three hours credit.

313. COMPARATIVE GRAMMAR OF THE ROMANCE LANGUAGES—The morphology and syntax of modern French will be studied in connection with those of any other Romance language with which the student may be familiar. A knowledge of some Italian dialect may profitably be turned to account in this course. (Summer)
Three hours credit.

All courses in the 400 group are devoted to the study of French linguistics, and are especially designed for those who are majoring in French or who are preparing to teach French in secondary schools. Admission by consent of instructor.

407. CONVERSATIONAL FRENCH—The object of this course is to give the student facility in expressing himself in simple idiomatic language. (1939-40)
Two hours credit.

408. ADVANCED FRENCH GRAMMAR—A study of ordinary grammatical usage in those classics which are usually read in high school. Texts from the works of Mérimée, Daudet, and Maupassant are subjected to minute grammatical analysis, with special attention to the use of past descriptive and past absolute tenses. (1939-40)
Two hours credit.

GEOLOGY, GERMAN, HISTORY

409. COURS DE STYLE—Exercises in advanced composition in connection with the study of standard French versions of English masterpieces. The basis of this course is Baudelaire's translation of Poe's *Prose Tales*. (1940-41) *Two hours credit.*

410. FRENCH PHONETICS—The object of this course is to help the student acquire a pronunciation which will approximate as closely as possible the Parisian pronunciation of French. (1940-41) *Two hours credit.*

GEOLOGY

202, 203. HISTORICAL GEOLOGY AND PHYSIOGRAPHY—Field study includes trips to points of interest and work with geologic maps. Physiographic cycles and the relation of life to them will be studied. The appearance of organisms in time. Type specimens and fossils as time indicators. Field collecting. Fee, \$3.00 each semester. *Three hours credit each semester.*

GERMAN

101-102. ELEMENTARY GERMAN—Introduction to the fundamental principles of grammar, drill in the declensional forms of nouns and adjectives together with elementary conversation and the reading of easy prose and poetry. *Three hours credit each semester.*

203. INTERMEDIATE GERMAN—Elementary composition based on a review of the essentials of grammar. The reading material for this course is chosen with the double purpose of furnishing a basis for the further study of German literature and providing those who wish to do technical reading with a working knowledge of the modern language. Prerequisite, German 101-102 or two years of German in high school. *Three hours credit.*

204. INTERMEDIATE GERMAN—A continuation of German 203. Reading of texts of increasing difficulty accompanied by conversation and exercises in composition. Prerequisite, German 203. *Three hours credit.*

305, 306. SCIENTIFIC AND CONVERSATIONAL GERMAN—Composition and conversation, including teaching of elementary German. Prerequisite, German 204. *Three hours credit each semester.*

HISTORY

105, 106. HISTORY OF EUROPE SINCE THE FALL OF ROME—A survey of European civilization from the fall of Rome in 476 through the Middle Ages, the Renaissance, and the Modern Era to the present day. *Three hours credit each semester.*

201. HISTORY OF THE UNITED STATES TO 1850—A study of the general political, social, and economic developments of the United States from the beginning of our history to the middle of the nineteenth century. Designed for sophomores. *Three hours credit.*

202. HISTORY OF THE UNITED STATES SINCE 1850—A continuation of History 201, giving special emphasis to the causes of the Civil War and the period which followed. *Three hours credit.*

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211-212. HISTORY OF THE BRITISH PEOPLE—From the earliest times to the present. Special emphasis is given to the social, industrial, and commercial development of England, the growth of parliament, the contest for religious freedom, the literary and intellectual development of the British people. Prerequisites, History 105, 106.
Three hours credit each semester.

302. HISTORY OF RUSSIA—A study of the development of the Russian people and their political, economic, and social institutions from earliest times to the present. Prerequisites, History 105, 106. (1939-40)
Three hours credit.

303. FRENCH REVOLUTION—A study of the French Revolution and Napoleonic era from 1789 to 1815. Prerequisites, History 105, 106. (1939-40)
Three hours credit.

305. RENAISSANCE AND REFORMATION—A study of the political, literary, artistic, philosophic, and scientific developments of the Renaissance period, especially in Italy, France, Germany, and England. The forces underlying and causing the Reformation; the relation of the Reformation to the intellectual, religious, economic, and social life of Western Europe. Prerequisites, History 105, 106. (1940-41)
Three hours credit.

306. LATIN AMERICA—This course is a study of the political, economic, and social institutions and problems of the Latin American Republics from attainment of independence to the present time. Prerequisites, History 105, 106.
Three hours credit.

307. HISTORY OF EDUCATION—For description of this course see Education 307.

311. HISTORY OF GREECE—Political and cultural growth of Greece. Prerequisites, History 105, 106.
Three hours credit.

312. HISTORY OF ROME—The first republic, the growth of the city of Rome and the Mediterranean states, the growth of the early imperial system, the rule of the Caesars, to the decline of the empire. Prerequisites, History 105, 106.
Three hours credit.

325. MODERN TRENDS—WORLD HISTORY SINCE 1914—Developments in the political, economic, and social life of all major countries of the world since the outbreak of the World War. Recent trends in Russia, Italy, Germany, the Far East, and significant world problems will be presented. Prerequisites, History 105, 106.
Three hours credit.

ITALIAN

101-102. ELEMENTARY ITALIAN—The fundamentals of grammar are taught by constant drill in syntax and inflectional forms. Spoken Italian with special attention to correct pronunciation and diction is studied in connection with the reading of simple modern texts.
Three hours credit each semester.

203. INTERMEDIATE ITALIAN—Review of grammar in connection with elementary composition. Modern texts are read and used as a basis for conversation in Italian. Prerequisite, Italian 102, or two years of high school Italian.
Three hours credit.

204. INTERMEDIATE ITALIAN—A continuation of Italian 203. In this course the stories and plays are studied as literature, at the same time they serve as material for the study of the language.
Three hours credit.

The prerequisite of all courses in the 300 group is Italian 204 or the ability to read Italian for literary appreciation.

ITALIAN, LATIN, LAW, MATHEMATICS

305, 306. CONVERSATIONAL ITALIAN—A course in composition and conversation based on selected examples of modern Italian literature. *Three hours credit each semester.*

307-308. ITALIAN CULTURE—This course is devoted to the study of Italian culture and institutions together with a summary review of the history of Italian literature. *Three hours credit each semester.*

313. COMPARATIVE GRAMMAR OF THE ROMANCE LANGUAGES—The morphology and syntax of modern Italian will be studied in connection with those of any other Romance Languages with which the student may be familiar. (Summer) *Three hours credit.*

LATIN

Prerequisite for the courses listed below, three years of high school Latin.

113. CICERO—De Senectute and De Amicitia. Study of Latin prose, translation, syntax, composition. *Three hours credit.*

114. LIVY—Selections. Tacitus. Translation, composition. *Three hours credit.*

211. HORACE—Odes, satires, epistles. Study of Latin prosody, ideals, and customs. Translation, syntax, composition. *Three hours credit.*

212. PLAUTUS; TERENCE—Selected plays. Translation, reports. *Three hours credit.*

214. SURVEY OF LATIN LITERATURE—Translation of excerpts from writings of representative writers from early to late periods of Latin literature, syntax, and composition. *Three hours credit.*

215. ADVANCED LATIN COMPOSITION—Translation of English into idiomatic Latin composition, syntax, and papers. *Three hours credit.*

LAW

See Law School page 89.

MATHEMATICS

A major in the field of mathematics must include calculus and at least three semester courses numbered above 300. Students who expect to teach mathematics in high school must take Mathematics 330 in their junior or senior year, it being offered in alternate years.

Students who expect to take two or more years of mathematics should elect the sequence 111-112, 103, 114 in the freshman year, and 209-210 in the sophomore year. Course 151-152 is designed for students not specializing in mathematics or a physical science who do not expect to continue in mathematics beyond the first year. A minimum of one year of high school algebra and one year of geometry is required for any course in college mathematics.

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101. COLLEGE ALGEBRA—The fundamentals of algebra rapidly reviewed, after which advanced topics, such as progression, permutations and combinations, theory of equations, complex numbers, and determinants are studied. *Three hours credit.*

103. TRIGONOMETRY — This course includes the study of goniometry, solution of triangles, trigonometric equations, construction of tables, and if time permits, a few elements of spherical trigonometry. Should follow or be accompanied by Mathematics 111-112. *Three hours credit.*

111-112. COLLEGE ALGEBRA — This course is equivalent to course 101, except that more time is allowed for review of the fundamentals of algebra, and some additional ground is covered. *Two hours credit each semester.*

114. ANALYTIC GEOMETRY—This course is largely a study of equations and their graphs. Curve fitting by means of empirical equations is also included. Prerequisite, Mathematics 103. *Three hours credit.*

151-152. INTRODUCTION TO MATHEMATICS—A course designed to acquaint the general student with the underlying principles and concepts of mathematics. Selected topics from arithmetic, algebra, geometry, trigonometry, and analytic geometry are studied for their contribution to a general understanding of mathematical processes, without any attempt at completeness of material in any one subject. *Three hours credit each semester.*

209-210. DIFFERENTIAL AND INTEGRAL CALCULUS — A thorough course in the essentials of each phase of the calculus, including maxima and minima, rates, curve tracing, the definite integral, areas, volumes, double integrals, etc., with applications to physical and mechanical problems. Prerequisite, Mathematics 114. *Five hours credit each semester.*

218, 219, 220. DIFFERENTIAL AND INTEGRAL CALCULUS — This course is the equivalent of course 209-210, but is spread over three semesters instead of two. Prerequisite, Mathematics 114. *Three hours credit each semester.*

311. THEORY OF EQUATIONS—Solution of cubic and quartic equations, Newton's method, symmetric functions, determinants, resultants, discriminants. Prerequisite, Mathematics 209. (1940-41) *Two or three hours credit.*

315. DIFFERENTIAL EQUATIONS—Methods of solving ordinary differential equations with applications to problems in various fields. Prerequisite, Mathematics 210. *Three hours credit.*

316. ADVANCED DIFFERENTIAL EQUATIONS—Equations of higher order, partial differential equations, and systems of equations. Prerequisite, Mathematics 315. *Two or three hours credit.*

APPLIED MECHANICS—See Physics 324, 325, 326.

330. COLLEGE GEOMETRY—This course makes use of the same tools and technique as does plane geometry, leading to higher relations between the elements of the triangle and of other plane figures. This course has been made a specific requirement for a teaching major or minor in mathematics, by the State Board of Education. Prerequisite, junior standing. (1939-40) *Three hours credit.*

404. ADVANCED STUDIES IN MATHEMATICS—Under this heading an occasional talented student is allowed to concentrate in his senior year upon some topic of interest such as vector analysis, projective geometry, or function theory. *Credit to be arranged.*

432. HISTORY OF MATHEMATICS—A study of the development of the fundamental ideas of mathematics through the calculus, from antiquity down to the present. Prerequisite, Mathematics 209 or consent of instructor. (1939-40) *Three hours credit.*

MUSIC

The School of Music of Youngstown College was organized to provide a thorough course of instruction in all branches of music, both theoretical and applied. To this end an eminent faculty has been assembled and the work in music correlated with the other subjects in the college curriculum. The studios of the School of Music are located on the fourth floor of the college building, are well lighted, attractive, and well suited to this work.

Classes in instrumental music under the guidance of the college faculty offer beginners an excellent opportunity to test their potential talents. Enrollment in these classes is limited.

Examinations in all branches of applied music are held at the end of each semester before a committee of the faculty. This examination and the recommendation of the instructor shall determine promotion.

A complete course for the training of band masters and professional players on the band instruments is offered. The course consists of the study of a major solo instrument, tone production and technique of all band instruments, theoretical subjects, arranging, and conducting. Advanced students have the advantage of conducting a band under supervision.

Regular students must fulfill the following entrance requirements:

Piano Students must be prepared to play before a committee of the faculty a selection from the following compositions or others of equal grade in a manner satisfactory to the faculty.

- (a) Two studies from Czerny, Op. 299.
- (b) One two-part invention or a dance from Bach.
- (c) One of the easier compositions from Chopin.
- (d) One sonata movement from Haydn, Mozart, or the easier Beethoven, and a concert number of corresponding difficulty.

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In addition to this, a student should be able to read at sight a medium grade composition, play all of the major scales and major arpeggios, and write major and minor scales with correct signatures.

Violin Students must know six positions, be able to read at sight a piece selected by the committee, and be able to play satisfactorily the following:

- (a) A study of Mazas (Special studies.)
- (b) A study by Kreutzer to the grade of No. 32.
- (c) A movement from a sonata by Mozart or a concerto by Vivaldi.

Organ Students must be able to play on the piano the following:

- (a) Any scale or arpeggio.
- (b) A Bach invention.
- (c) A prelude and fugue from Bach's "Well Tempered Clavichord."
- (d) A sonata by Mozart, or one of the easier Beethoven sonatas.
- (e) A composition by Mendelssohn, Grieg, Schubert, Schumann, etc.

Wind Instrument students must have had at least one year's experience in band or orchestra ensemble and be able to play any first-grade song. They must also be able to play elementary studies by Arban and Gati for brass instruments and studies of similar difficulty for wood-wind.

Cello Students must be able to read at sight a piece selected by the committee and be able to play satisfactorily:

- (a) Technical exercises from Schroder, Book I.
- (b) All major scales two octaves.

In evaluating courses in applied music for college credit the following basis shall be used:

Piano, Violin, or Band Instruments—One hour of college credit for each lesson per week, accompanied by $1\frac{1}{2}$ hours of practice daily (not to exceed 2 hours per semester).

Organ or Voice—One hour of college credit for each lesson per week accompanied by 1 hour of practice daily (not to exceed 2 hours per semester).

To be coordinated into a major, such credits must be accompanied by studies in musical theory, as outlined in the catalog, or by courses accepted in lieu thereof by the regularly constituted authorities.

Students regularly enrolled in the musical ensembles of the college, i.e., Men's Glee Club, Women's Glee Club, Orchestra, and Chapel Choir, and who, by regular attendance and earnest endeavor merit it, may receive credit not to exceed one-half hour per semester, for two hours rehearsal per week, but the credit must be definitely for membership in one certain organization.

101-102. SIGHT SINGING AND EAR TRAINING—Two recitations each week. Required of all students majoring or minoring in music, and the first theoretical course to be taken by students of applied music who desire credit for same. A study of the fundamentals of music in respect to notation, scale formation, and derivation: singing at sight in one and two parts, major and minor modes, G and F clef; dictation in one and two parts, major and minor modes, G and F clef. *One hour credit each semester.*

103-104. ELEMENTARY HARMONY—A study of the fundamental triads, dominant seventh, and secondary seventh chords in major and minor modes; harmonizing given and original melodies; analysis. *Two hours credit each semester.*

MUSIC

105, 106. HISTORY AND APPRECIATION OF MUSIC—A discussion of the problems of listening to music, designed primarily for non-professional listeners. Lectures, outside readings, study of phonographic records, reports. *Two hours credit each semester.*

201-202. SIGHT SINGING AND EAR TRAINING—Two recitations each week. A continuation of Music 101-102. Prerequisites, Music 101-102. *One hour credit each semester.*

203-204. ADVANCED HARMONY—A continuation of Harmony 103-104. A study of chordal alterations, use of chords of the major mode, in the minor mode, and vice versa, modulation and transition, pedal point. Prerequisites, Music 101-102, 103-104. *Three hours credit each semester.*

205, 206. HISTORY OF MUSIC—A study of the beginnings of music from pre-historic times down to the beginning of the sixteenth century. *Two hours credit each semester.*

217. TEACHING OF STRINGED INSTRUMENTS — CLASS METHOD—Elementary class instruction in instruments of the string choir in a situation similar to that met in the public schools. No previous knowledge of stringed instruments is required. Fee, \$12.00. *Two hours credit.*

218. TEACHING OF BRASS INSTRUMENTS — CLASS METHOD—Same as Music 217 applied to brass instruments. Fee, \$12.00. *Two hours credit.*

303, 304. STRICT COUNTERPOINT—First, second, third, fourth, and fifth species of academic counterpoint in two, three, and four parts; combined counterpoint. Prerequisite, Music 203-204. (1940-41) *Three hours credit each semester.*

305, 306. HISTORY OF MUSIC—A continuation of Music 205, 206. The development from the beginning of the sixteenth century down to the present day. *Three hours credit each semester.*

311. MUSIC IN THE PRIMARY GRADES—General methods of teaching public school music in the first three grades. Prerequisites, Music 101-102. *One and one-half hours credit.*

312. MUSIC IN THE INTERMEDIATE GRADES—General methods of teaching public school music in the fourth, fifth, and sixth grades. Prerequisite, Music 311. *One and one-half hours credit.*

315. MUSIC IN THE FIRST SIX GRADES—Rote songs, rhythmic and tonal problems, analysis of student problems in successive years, using children presenting particular difficulties for demonstration. Prerequisites, Music 311, 312 and Education 301. *Two hours credit.*

317. TEACHING OF WOOD-WIND INSTRUMENTS—CLASS METHOD—Same as Music 217 applied to wood-wind instruments. Fee, \$12.00. *Two hours credit.*

318. CLASS METHOD OF TEACHING INSTRUMENTS IN SCHOOL—Method of organizing and conducting classes in instrumental music with a survey of materials. Prerequisites, Music 217, 218, and 317. *Two hours credit.*

319, 320. CONDUCTING—Two recitations each week. An opportunity for study and practical experience in choral and instrumental conducting. Stress on the use of the baton. Attack, release, control, phrasing, and other phases of foundational requirements. Interpretative studies in chorals, anthems, part-songs, opera, and symphony. Prerequisites, two years of college piano and harmony. Admission by permission of the head of the music department. *One hour credit each semester.*

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403-404. **MUSICAL FORM**—A study of musical form beginning with the phrase and continuing through the song form to the rondo forms. Analysis of master works illustrative of the forms studied. Prerequisite, Music 203-204. (1939-40) *Three hours credit each semester.*

409-410. **ORCHESTRATION FOR HIGH SCHOOLS**—Two recitations each week. A study of the technique of the instruments with particular attention to the ones commonly found in high school ensembles. Cross cueing and instrumental substitutions. Arranging of scores for diverse high school groups. Prerequisites, Music 103-104, 203-204. *One hour credit each semester.*

411-412. **TEACHING OF MUSIC IN THE JUNIOR AND SENIOR HIGH SCHOOL**—Classification, problems, materials, methods, organization, and management. Prerequisites, Music 311 and 312. *Two hours credit each semester.*

419. **BAND ORGANIZATION, DRUM MAJORING, AND FIELD TECHNIQUE**—Method of organizing and conducting the concert and military band. Selection of materials, seating plans, preparation for rehearsals, and conductor problems. A study of balanced instrumentation and marching formations. An opportunity for study and practical experience in drum majoring with emphasis in military baton signals, field techniques, and drum figures. *Two hours credit.*

Tuition Rates—Music Faculty

Semester of Eighteen Weeks

	One Half-hour Lesson per week	Two Lessons per week
Henry V. Stearns (piano and organ)	\$45.00	\$90.00
George A. Bretz (piano)	36.00	72.00
Kathryn Guarnieri (voice)	45.00	90.00
Alvin Myerovich (violin)	36.00	72.00
Jacob Hubert (violoncello)	27.00	54.00
Harry Joyce (wood winds)	27.00	54.00
Class instruction in piano and violin	\$12.00	

ORIENTATION

This course aims to help the new college student to adjust himself quickly to college life. The problems studied include, how to study in college; how to select college courses; how to select a life work. Lectures, library readings, and quizzes. Required of all freshman students. *One hour credit.*

PHILOSOPHY

203. **INTRODUCTION TO PHILOSOPHY**—A lecture and discussion course designed to introduce the student to the methods, problems and fundamental conceptions of philosophy, and to the significance of the higher values of life—moral, aesthetic, and religious. (1940-41) *Three hours credit.*

205. **LOGIC**—A study of the nature of thought, and of true and false methods of thinking. (1939-40) *Two hours credit.*

PHILOSOPHY, PHYSICAL EDUCATION

207, 208. ETHICS OF JESUS—A study of the records of Matthew, Mark, and Luke, with the object of discovering Jesus' conception of life, and the ethical principles revealed in both his teaching and actions. The purpose of the course is to furnish a basis for the student's development of his own philosophy of life. *Three hours credit each semester.*

301. HISTORY OF PHILOSOPHY—The development of philosophic thought from the time of the early Greeks to the end of the Middle Ages. *Three hours credit.*

302. HISTORY OF PHILOSOPHY—Continuation of Philosophy 301 from the end of the Middle Ages to the present day. Prerequisite, Philosophy 301. *Three hours credit.*

305, 306. ETHICS—A study of human nature, of character and conduct. A survey of the evolution of ideas of right and wrong; an introductory study of the principal types of ethical theory, and an evaluation of them. Ethical principles are discussed in relation to personal, political, economic, and international problems. (1939-40)

Three hours credit each semester.

310. MAKING OF THE MODERN MIND—A study of the philosophic, religious, scientific, political, and social developments out of which our present patterns of thought have arisen. Prerequisites, History 105, 106. (1940-41) *Three hours credit.*

311. SOCRATES AND PLATO—The main outlines of their thought, with special emphasis on selected dialogues of Plato. Prerequisite, Philosophy 203 or 301. (1940-41) *Three hours credit.*

312. ARISTOTLE—The main outlines of Aristotle's thought in metaphysics, logic, ethics, politics. Prerequisite, Philosophy 203 or 301. (1940-41) *Three hours credit.*

315. COMPARATIVE RELIGION—A study of the religions of India and China as compared with Christianity. (1940-41)

Three hours credit.

PHYSICAL EDUCATION

101, 102. PHYSICAL EDUCATION AND HYGIENE (MEN)—Two hours of physical education each week throughout the year and two hours of hygiene each week for one semester. The course includes hygiene and general body building exercises, gymnastic and athletic games, and competitive sports, with advanced elective activities for the physically superior groups. Required of freshmen. *One hour credit each semester.*

103, 104. PHYSICAL EDUCATION AND HYGIENE (WOMEN)—Two hours of physical education each week throughout the year and two hours of hygiene each week for one semester. The course includes the following sports: soccer, basketball, badminton, ping pong, shuffleboard, and volleyball. Also rhythmic, swimming, and personal hygiene. Required of freshmen. *One hour credit each semester.*

205, 206. ADVANCED PHYSICAL EDUCATION (MEN)—Two hours each week. A continuation of Physical Education 101, 102. Required of sophomores. *One hour credit each semester.*

207, 208. ADVANCED PHYSICAL EDUCATION (WOMEN)—Two hours each week. A continuation of Physical Education 103, 104. Required of sophomores. *One hour credit each semester.*

YOUNGSTOWN COLLEGE

PHYSICS AND MECHANICAL ENGINEERING

Elsewhere in this catalog will be found curricula leading to the degrees of Bachelor of Arts and Bachelor of Science with physics as a major, and the degree of Bachelor of Science in Mechanical Engineering.

Eight hours of freshman chemistry or mathematics may be counted toward a physics major, since the basic physics course is taken in the sophomore year.

115. SURVEY OF ENGINEERING—Lectures, readings, and reports. The student is helped to see the profession of engineering in its entirety, so that he may better select the phase in which he is most interested and best prepared. Required of all freshman engineering students. *One hour credit.*

151. ELEMENTARY PHOTOGRAPHY—This course is planned for the average camera enthusiast. It will be developed as a science on a scientific basis. The nature of light, lenses, the elementary chemistry of photography, etc., will be included. Demonstration and practice in picture taking for various purposes and effects. Miniature camera work will be compared with other types. Laboratory work will include developing, printing, and enlarging. Various grades of films and papers will be used. Color work will also be included. Fee, \$2.50. *Three hours credit.*

201-202. GENERAL COLLEGE PHYSICS—Lecture and recitation, three hours, and two two-hour laboratory periods each week. A general course in the fundamentals of physical science. The first semester includes the study of mechanics, heat, and sound; the second semester is devoted to the study of electricity, magnetism, and light. Prerequisite, sophomore standing. Trigonometry highly desirable. Fee, \$5.00 each semester. *Five hours credit each semester.*

207. FOUNDRY THEORY AND PRACTICE—A study of the theory of foundry practice of ferrous and non-ferrous metals; coke, oil, and electrically heated furnaces; heat requirements; a firsthand study in the foundry of actual practice in connection with core-making; snake-flask, floor, pit, and machine moulding; pattern requirements for various classes of castings, etc. One lecture and ten hours of foundry practice per week for the summer session. Open to third-year engineering students. *Three hours credit.*

211-212. GENERAL COLLEGE PHYSICS—Lecture three hours, laboratory three hours each week. Same as 201-202 except somewhat abridged. Fee, \$5.00 each semester. (1940-41) *Four hours credit each semester.*

213. SURVEYING—Two recitations and fifteen hours of field work per week for nine weeks in summer term. The fundamental principles of plane and topographic surveying. Prerequisite, Mathematics 103. Fee, \$5.00 or \$7.00. *Three or four hours credit.*

214. ROUTE SURVEYING—Two recitations and twelve hours of field work per week for nine weeks in the summer term. Fundamentals of highway and railroad surveying. Prerequisite, Mechanical Engineering 213. Fee, \$5.00. *Three hours credit.*

PHYSICS, MECHANICAL ENGINEERING, POLITICAL SCIENCE

221. SHOP PROCESSES—Six hours laboratory each week. Study of machines and machine tools, as well as processes such as planing, boring, turning, etc. (1940-41) *Three hours credit.*

252. ADVANCED PHOTOGRAPHY—Studio work covering commercial and illustrative photography, copying, retouching, including actual practice with cameras, lights, filters, lenses, exposure, etc. Individual dark room instruction on negative processing, contact printing, enlarging. Fundamentals of composition, photographic make-up, and portraiture. Prerequisite, Physics 151. Fee, \$2.50. *Three hours credit.*

303. ELECTRICITY AND MAGNETISM—A critical study of the physical laws underlying electrical theory. Prerequisites, Physics 202 and Mathematics 210. (1940-41) *Three hours credit.*

307. HEAT AND RADIATION—Laws of heat flow by convection, conduction, and radiation; kinetic theory of gasses, and an approach to the thermodynamic method. Prerequisites, Physics 201 and Mathematics 209. *Three hours credit.*

308. THERMODYNAMICS — Heat engines, the Carnot cycle, entropy, reversible and irreversible cycles, and applications to certain problems. Prerequisites, Physics 201-202 and Mathematics 209-210. (1939-40) *Three hours credit.*

324. APPLIED MECHANICS—Statics and Kinematics. Force systems, center of gravity, laws of motion of a particle. Prerequisite, Mathematics 210 and Physics 201. *Three hours credit.*

325. APPLIED MECHANICS—Dynamics. Continuation of course 324 to include rotation of solid bodies, moment of inertia, and vibrating systems. *Three hours credit.*

326. APPLIED MECHANICS—Strength of Materials. The physical properties of materials, stresses, deflection of beams, and torsion of rods. Prerequisite, Mechanical Engineering 324. *Three hours credit.*

327. FLUID MECHANICS — Hydrostatics and hydrodynamics. (1940-41) *Three hours credit.*

404. READINGS IN MODERN PHYSICS — Individual study carried on by senior majors in physics, with the consent of the head of the department. Written and oral reports are made periodically. *Two or three hours credit.*

411, 412. ELEMENTS OF ELECTRICAL ENGINEERING—The fundamentals of electrical engineering and their application in practice, including direct and alternating currents, D. C. and A. C. machinery, transformation, transmission, and distribution. Many problems on phases of electrical engineering are presented for solution by the students. Prerequisites, Mathematics 210 and Physics 202. *Three hours credit each semester.*

POLITICAL SCIENCE

101. INTRODUCTION TO POLITICAL SCIENCE—A study of the principles, forms of governments, types of constitutions, and political institutions in the United States and abroad. The regulation of labor, utilities, industry, and pressure groups will be considered. Reforms suggested in civil service, voting, reorganization of departments, and others will be studied in a general survey of governmental functions and problems—national, state, and local. *Three hours credit.*

YOUNGSTOWN COLLEGE

102, 103. AMERICAN GOVERNMENT—A study of the principles and problems of government in general with suggested reforms in the functioning of American government. Current problems such as government reorganization, civil service reform, and the regulation of industry will be considered. *Three hours credit each semester.*

307. MUNICIPAL GOVERNMENT AND ADMINISTRATION—A study of the principles and plans of city government in the United States. Supplemented by occasional lectures of local officials concerning municipal problems peculiar to Youngstown. The problems of the modern city—home rule, public utilities, administrative organization, city finance, city planning, public health and recreation, schools, and other vital problems are studied. Prerequisite, Political Science 101. *Three hours credit.*

308. TECHNIQUE IN MUNICIPAL ADMINISTRATION—This course deals with the functional aspect of municipal administration. The major portion of the study deals with the measurement of municipal activities. An intensive study is made of municipal reporting, using municipal reports of the leading cities of the country. A study is also made of municipal budgets. Materials of other cities are used as supplementary work. Prerequisite, Political Science 101. *Three hours credit.*

PSYCHOLOGY

201. GENERAL PSYCHOLOGY—A study of the fundamental principles of human behavior. This includes a brief survey of the field, the relationship of physiological structure to behavior, the study of the nature and development of motives, perception, consciousness and other factors in the integration of personality. Prerequisite to all other courses in the field. *Three hours credit.*

202. PSYCHOLOGY OF EDUCATION—A study of those principles and laws of psychology that form the bases for education and that apply to the problems of the school. Prerequisite, Psychology 201. *Three hours credit.*

206. SOCIAL PSYCHOLOGY—A study of psychological principles and methods applied to social problems and factors influencing social life. Prerequisite, Psychology 201. (1939-40) *Three hours credit.*

301. APPLIED PSYCHOLOGY — A study of the psychological factors and principles involved in human relationships in marketing, law, advertising, medicine, selling, personnel management, and the like, as found in business, the professions, and industry. Prerequisite, Psychology 201. (1940-41) *Three hours credit.*

302. PSYCHOLOGY OF THE ABNORMAL—A study of the causes, nature, and trend of mental maladjustments and injured personality, stressing the value and means of mental hygiene. Prerequisite, Psychology 201. (1940-41) *Three hours credit.*

303. PSYCHOLOGY OF RELIGION—Study of the psychological facts and principles affecting religious experiences, sense of sin, conversion, character changes, faith, worship, development of personality, and mental adjustments as a hygiene for dynamic, useful, and happy living. Prerequisite, Psychology 201. (1939-40) *Three hours credit.*

305. CHILDHOOD AND ADOLESCENCE—A genetic study of child development from the pre-natal period through adolescence, stressing the characteristic behavior and abilities of each period of development and practical child-training methods. Prerequisite, Psychology 201. *Three hours credit.*

307. **PSYCHOLOGY OF MARRIAGE AND FAMILY RELATIONS**—A practical study of social and psychological factors which contribute to marital success and happiness, including intersex relations, eugenics, mental hygiene, child training, home finance, and community usefulness. Especially recommended for those who have little advanced credit in psychology or sociology. Prerequisites, Psychology 201, Biology 101-102, Sociology 103, and junior standing. *Three hours credit.*

RUSSIAN

101-102. **ELEMENTARY RUSSIAN**—The fundamental differences between Russian and English are explained graphically so as to afford a simplified approach to easy scientific texts, and so as to make possible the acquisition of the essential vocabulary of conversation in a minimum of time. (Summer) *Three hours credit each semester.*

SECRETARIAL STUDIES

101. **TYPEWRITING**—Consists of advanced letter writing, legal papers, tabulating, filling in forms, and speed work. A speed of 30 words a minute is required for admission to this course and a speed of 60 words a minute must be attained for credit. *Three hours credit.*

103. **BUSINESS LETTER WRITING** — This course includes a study of business terms; mechanics and fundamentals of effective letters; psychology of letter writing; practice in writing different types of letters, stock phrases, common errors, and business punctuation. *Three hours credit.*

104-105. **BOOKKEEPING**—First semester, single proprietorship and partnership; second semester, corporation accounting. *Three hours credit each semester.*

203. **OFFICE PRACTICE** — Application of theory to practice; consists of typical office problems, dictation, transcription, copy-work, answering of letters, filling in forms, and discussion of office procedure. *Three hours credit.*

215. **OFFICE MACHINES** — A working knowledge of typical machines used in offices; such as, adding and calculating machines, dictaphone, mimeographing, and bookkeeping machines. *Three hours credit.*

301. **SHORTHAND**—Beginning dictation and transcription. This course is planned for students who have completed the shorthand manual and speed study text. A speed of 80 words a minute must be attained for credit. *Four hours credit.*

302. **SHORTHAND**—Advanced dictation at 100 to 120 words per minute and transcription at the rate of 30 words per minute. Prerequisite, Secretarial Studies 301. *Four hours credit.*

SOCIAL SCIENCE

A major in social science consists of 45 hours selected from the following departments: economics, history, philosophy, political science, psychology, and sociology. Selection of the particular courses which constitute this major should be made in consultation with the instructor in any one of the social science field.

A minor in social science consists of 15 hours, all of which must be in some one of the social sciences.

SOCIOLOGY

103. PRINCIPLES OF SOCIOLOGY — This is the introductory course, prerequisite to other courses in sociology. It deals with the origin, development, structure, and functions of social institutions.

Three hours credit.

104. SOCIAL DISORGANIZATION — A survey of the present methods of dealing with the dependent and defective groups such as the unemployed, the insane, the feebleminded, the blind. Prerequisite, Sociology 103.

Three hours credit.

201. CRIME AND PENAL INSTITUTIONS — A study of the nature and causes of crime and criminals, our present methods of apprehending the criminal, and the problems connected with our penal institutions. Prerequisite, Sociology 103.

Three hours credit.

204. SOCIAL ORIGINS—The origin and development of the basic social institutions. Prerequisite, Sociology 103. (1939-40)

Three hours credit.

301. HISTORY OF SOCIAL THOUGHT — A course surveying the evolution of social theory, with emphasis upon the various schools of thought of the present time. Prerequisite, Sociology 103. (1940-41)

Three hours credit.

307. THE FAMILY—For description of this course, see Psychology 307.

308. EDUCATIONAL SOCIOLOGY — For description of this course, see Education 308.

SPANISH

101-102. ELEMENTARY SPANISH—The essentials of Spanish grammar are taught through written and oral exercises and are supplemented with the reading of simple texts.

Three hours credit each semester.

203. INTERMEDIATE SPANISH—Review of grammar with imitative exercises in composition. Reading of selected classics of Spanish and Spanish-American prose narration. Prerequisite, Spanish 102 or two years of Spanish in high school.

Three hours credit.

204. INTERMEDIATE SPANISH—A continuation of Spanish 203. Reading of modern stories and plays with conversational exercises based upon the text.

Three hours credit.

305. SURVEY OF SPANISH LITERATURE TO 1700—An introductory course illustrated with selections from the principal classic writers, especially those of the Golden Age. Conducted partly in Spanish.

Three hours credit.

306. SURVEY OF MODERN SPANISH LITERATURE—May be taken independently of Spanish 305. For both courses the prerequisite is Spanish 204 or its equivalent. The purpose of this course is to acquaint the student with the principal writers of Spain since 1700.

Three hours credit

313. COMPARATIVE GRAMMAR OF THE ROMANCE LANGUAGES—The morphology and syntax of modern Spanish will be studied in connection with those of any other Romance Languages with which the student may be familiar. (Summer)

Three hours credit.

School of Law

CALENDAR

1939

September	21-22	Registration.
September	26	Fall Quarter begins.
December	15	Fall Quarter ends.

1940

January	2	Winter Quarter begins.
March	22	Winter Quarter ends.
March	26	Spring Quarter begins.
June	14	Spring Quarter ends.
July	2	Summer Quarter begins.
September	20	Summer Quarter ends.

LAW SCHOOL COMMITTEE

C. Snelling Robinson	Chairman
Vice-President, Youngstown Sheet and Tube Company	
J. C. Argetsinger	Vice-President, General Counsel, and Secretary, Youngstown Sheet and Tube Company
William F. Maag	Editor and Publisher, The Youngstown Vindicator
Sidney J. Collins	Clark and Collins, Certified Public Accountants
James L. Wick, Jr.	President, Falcon Bronze Company

YOUNGSTOWN COLLEGE

FACULTY

- Judge George H. Gessner, LL. B., Dean. Contracts, Equity,
LL. B., Western Reserve University Criminal Law
- Henry C. Church, LL. B. Real Property,
LL. B., Baldwin-Wallace College Constitutional Law,
Trusts
- Raymond Falls, A. B., LL. B. Private Corporations,
A. B., Thiel College Evience, Pleading
LL. B., Western Reserve University and Practice
- John Q. T. Ford, LL. B. Agency
A. B., Georgetown College
LL. B., Harvard University
- John W. Ford, A. M., LL. B. Quasi Contracts,
A. B., Yale University Legal Ethics
A. M., Harvard University
LL. B., Harvard University
- Judge Erskine Maiden, Jr., A. B. Common Law
A. B., Harvard University Pleading
Harvard Law School
Western Reserve Law School
- J. Howard Pitts, LL. B. Sales
A. B., Hobart College
LL. B., Cornell University
- Richard Wills, A. B., LL. B. Wills
A. B., Yale University
LL. B., Yale University
- Knowles Wyatt, B. S., LL. B. Torts, Municipal
B. S., Muskingum College Corporations,
LL. B., Youngstown College Negotiable Instruments

GENERAL INFORMATION

Objectives and Methods of Instruction

The School of Law has the following objectives:

- (1) Familiarizing the student with the history of our laws and institutions.
- (2) Studying of various laws and the reasons for their existence.
- (3) Applying the rules and principles to actual cases.

Development of the ability of legal reasoning is emphasized.

The method of instruction is the case method. Selected cases that have actually been decided are used as texts. Thus, from an analytical study of each case the student determines the operative facts, and the rule of law upon which the decision has been based, and finds the governing principles of law by the inductive method of reasoning.

By such process the student learns to discriminate between the material and the immaterial; to weigh and estimate relative legal values; to discover fallacies in reasoning and to express his own conclusions clearly and concisely.

The College Year

The School of Law operates on the quarter plan. The quarters are designated as summer, fall, winter, and spring. Four quarters constitute the year's work.

Library

The Law Library contains 4,150 books and during the past year one hundred volumes have been added. In addition to the college Law Library the Mahoning County Law Library is available to students.

Tuition and Fees

See Fees and Expenses, School of Law, page 41.

YOUNGSTOWN COLLEGE

ACADEMIC REQUIREMENTS

Requirements for Admission

While it is recommended that all applicants for admission to the Law School should have a college degree and preference is given to students who have fulfilled this requirement, the minimum requirement for admission is sixty semester hours of liberal arts work with average or better than average grades. Students who plan to enter the Law School with two years of pre-law work, or sixty semester hours, are urged to follow the suggested curriculum under Curricula, page 55. This curriculum includes courses in English, natural science, modern language, history, political science, psychology, and philosophy. Each applicant must make written application which shall include the names of two character references. He must also appear in person before the committee on admissions.

The policy has been to admit approximately twenty-five students to the freshman class.

Required Freshman Course

In addition to the regular courses offered, all first year students are required to attend a class conducted by a regular member of the faculty for instruction in legal writings, research, methods of preparation, and use of law books and publications. This class is also open to advanced students for seminar instruction in independent research and preparation. The class meets once each week for a two-hour session throughout the school year. No credit.

Grade Requirements

For detailed information concerning scholastic point systems and grading system see Grade Requirements, page 30. Briefly, a student must have a point average of 1.00 or better to be eligible for graduation.

The Law student carries a total of two subjects or four semester hours per quarter. Failure in one subject places the student on probation for the following quarter. Failure in both subjects makes the student ineligible for reenrollment for the following quarter.

LAW

Requirements for the Bar Examination

All persons registering for the Bar Examination must have completed at least two years of work in liberal arts.

Every law student upon entering the School of Law should ask at the office for an instruction sheet regarding admission to the bar. Students living outside of the state of Ohio must establish a residence in the state for one year before they are permitted to take the Bar Examination. Other important information is included on the instruction sheet and each student should secure one of these sheets and study it carefully upon entering Law School to be sure that he or she has fulfilled all requirements.

Required Curriculum Leading to the Bachelor of Laws Degree

First Year

Common Law Pleading.....	2 hrs.	Torts	4 hrs.
Contracts	6 hrs.	Agency	2 hrs.
Personal Property	2 hrs.		

Second Year

Torts	2 hrs.	Real Property II.....	2 hrs.
Criminal Law	2 hrs.	Sales	2 hrs.
Real Property I.....	2 hrs.	Real Property III.....	2 hrs.
Negotiable Instruments	2 hrs.	Bailments and Carriers.....	2 hrs.

Third Year

Equity	6 hrs.	Trusts	2 hrs.
Private Corporations	2 hrs.	Insurance	2 hrs.
Evidence	4 hrs.		

Fourth Year

Municipal Corporations	2 hrs.	Pleading and Practice.....	4 hrs.
Quasi Contracts	2 hrs.	Administration of Debtors' Estates	2 hrs.
Partnership	2 hrs.	Domestic Relations	2 hrs.
Suretyship	2 hrs.		

Fifth Year

Wills	4 hrs.	Conflict of Law.....	2 hrs.
Constitutional Law	4 hrs.	Mortgages	2 hrs.

YOUNGSTOWN COLLEGE

Schedule of Classes 1939-1940 (Classes meet Tuesday and Friday evenings)

FALL QUARTER

7:00—8:30
Common Law Pleading
Real Property I
Equity I
Conflict of Laws

8:30—10:00
Contracts
Torts
Private Corporations
Constitutional Law

WINTER QUARTER

7:00—8:30
Agency
Real Property II
Equity II
Wills

8:30—10:00
Contracts
Negotiable Instruments
Evidence I
Constitutional Law

SPRING QUARTER

7:00—8:30
Torts
Real Property III
Equity III
Wills

8:30—10:00
Contracts
Sales
Evidence II
Mortgages

SUMMER QUARTER

7:00—8:30
Torts
Bailments and Carriers
Trusts

8:30—10:00
Personal Property
Criminal Law
Insurance

Lectures

No examination will be held in the lectures, and they will not count toward a degree, but attendance is required of all students.

1. Legal Ethics.
2. Probate Practice and Procedure.
3. Taxation Practice and Procedure.
4. Brief Making and Preparation of Cases.
5. Federal Jurisdiction and Procedure.
6. Jurisprudence.
7. Drafting and Construction of Statutes.

LAW

COURSES

AGENCY—Distinction between law of principal and agent, and law of master and servant; formation of relation of principal and agent; (1) by agreement, (2) by ratification, (3) by estoppel and (4) by necessity; termination of the relation; (1) by act of the parties and (2) by operation of law; irrevocable agencies; obligations and duties of agent; torts and frauds of agents; admission and notice; contracts made by agent on behalf of his principal, and torts between agent and third parties. *Two hours credit.*

BAILMENTS AND CARRIERS—Different forms of bailments; rights and liabilities of bailor and bailee to each other and to third persons; common carriers; federal and state regulation and control of carriers and the latest federal and state Statutes. *Two hours credit.*

COMMON LAW PLEADING—Venue, appearance, forms of actions, parties, pleading trial, motions and judgments as they were known and understood at common law. *Two hours credit.*

CONFLICT OF LAW—The legal principles governing the application of laws of different jurisdictions to cause of action arising in one jurisdiction and enforced in another. Judgments; obligations; personal rights; property rights; and a general outline of the subject. (1939-40) *Two hours credit.*

CONSTITUTIONAL LAW—A study of the matters underlying the general principles of delegation of governmental powers, due process, police power, taxation powers of state and federal governments, interstate commerce, and unconstitutional laws generally. (1939-40) *Four hours credit.*

CONTRACTS—Places of contract in our law; essentials of a valid contract; void, voidable, and unenforceable contract; offer and acceptance; Statute of frauds; consideration; capacity to contract; mistake, misrepresentation, fraud, duress, and undue influence; legality of object; contracts for benefit of third person; assignment in the law of contract; impossibility as affecting contracts; breach of contract and its legal effect; and discharge of contract. *Six hours credit.*

CRIMINAL LAW—A study of the general principles relating to crimes, with a study of some of the essentials in criminal procedure. *Two hours credit.*

CRIMINAL PROCEDURE—Arrest, bail, indictment and proceedings thereon, pleas, trials and matters incident thereto, and error proceedings. *Two hours credit.*

DEBTORS' ESTATES, ADMINISTRATION OF—Composition agreements, receiverships, assignment for benefit of creditors, and proceedings in bankruptcy. (1940-41) *Two hours credit.*

DOMESTIC RELATIONS—Statutes and cases embracing the law of marriage, divorce and alimony; property and contract rights of husband and wife; antenuptial and postnuptial agreements; actions by one spouse against the other; parent and child; guardian and ward; rights and liabilities of infants; and care, custody and control of infants. (1940-41) *Two hours credit.*

EQUITY—This course consists of two parts. Equity I embraces the origin, history, general principles and scope of equity jurisprudence. Equity II deals with maxims and special heads of equity jurisprudence, such as trusts, recessions, reformation and cancellation; specific performance; injunction and receivers; estoppel; election; subrogations, mortgages and decedents' estates. The conclusion of this course consists of a study of equitable remedies. *Six hours credit.*

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EVIDENCE—The law of evidence contains clear and ascertainable reasons for the admission or exclusion of proffered evidence, and we aim to show these reasons in connection with the subject in such a manner as to make the course both logical and profitable. Once the reason for a rule is understood, its memory and application are comparatively easy. In addition to the usual course, we give careful attention to the offer of evidence; the object to evidence; the ruling of evidence; exceptions to such rulings, and the building of a record for error or appeal proceedings.

Four hours credit.

INSURANCE—Fire, life, and accident insurance, with respect to: insurable interests; concealment; misrepresentation; warranties; other causes of invalidity of contract; amount of recovery; subrogation; conditions; waiver; estoppel, election and powers of agents; assignees and beneficiaries.

(1939-40)

Two hours credit.

MORTGAGES—Forms, debts, foreclosures, redemption, sales, writ of restitution. (1939-40)

Two hours credit.

MUNICIPAL CORPORATIONS—Creation, control, alteration, and dissolution of municipal corporations; their charters, proceedings, officers and agents; powers of agents; assignees and beneficiaries. (1940-41)

Two hours credit.

NEGOTIABLE INSTRUMENTS — Drawing forms of negotiable papers, forms and formal requisite; acceptance, transfer, and extinguishment; obligation of parties; effect of delay and diligence; bills of exchange; notice and protest; forgery and alteration. Special attention is given to the uniform negotiable instrument of law. Many Ohio decisions are cited and commented upon.

Two hours credit.

PARTNERSHIP—The creation of partnership; the purpose for which a partnership may be formed; the advantages and disadvantages of a partnership; the incidents of partnership; the rights and duties of partners toward each other; partnership property and the interest of a partner therein; of actions by and against the firm; dissolution of partnership assets; final accounting; limited partnerships and partnership associations. (1940-41)

Two hours credit.

PERSONAL PROPERTY — Distinction between real and personal property, gift, bailment, liens, chattel mortgages, pledge, fixtures.

Two hours credit.

PLEADING AND PRACTICE—This is a thorough and extensive course and prepares the student to state accurately and concisely a cause of action or defense. Moreover, the course affords a general review of most of the substantive law preceding. Particular attention is given to forms of action and the declaration at common law. This is followed by a history of procedure and a careful study of the codes as exemplified by the statutes of New York and Ohio. These codes are illustrated and clarified by the study of many cases. We endeavor to make the course sound in theory and sufficiently practical to enable one leaving us to feel at home in the office or in the court room. To this end considerable attention is directed to the conduct of trials from the issuing of summons to the ending of a case in an appellate court. (1940-41)

Four hours credit.

PRIVATE CORPORATIONS—History and general principles; creation, organization, and citizenship; defacto corporations, the charter, franchise and privileges, powers, doctrine of ultra vires, torts and crimes; capital stock, stock subscriptions, rights of membership, voting trusts, transfer of shares, management; liability of stockholders; insolvency and dissolution.

Two hours credit.

LAW

QUASI CONTRACTS—Nature of obligation; restitution at law for benefits conferred under mistake of fact or mistake of law; benefits conferred in misreliance upon contract invalid, illegal, unenforceable, or impossible of performance; benefits conferred through intervention in another's affairs; benefits conferred under constraint; restitution as alternative remedy for breach of contract and for tort. (1940-41)
Two hours credit.

REAL PROPERTY I—Introduction to the law of real property; the feudal system, theory of estates, non-possessory interests in land, joint ownership, disseizin, history of uses. Rights incidental to possession, including water rights in the land of another, including profits, easements, and licenses.
Two hours credit.

REAL PROPERTY II—Covenants running with the land, including enforcement at law or in equity, and between landlord and tenant and fee owners; rents; waste; public rights in streams and highways.
Two hours credit.

REAL PROPERTY III—Future Interests in Land—Future Interests; conditions, reversions, remainders and conditional limitations; Rule in Shelley's Case; future interests in personality; powers, rules against perpetuities.
Two hours credit.

SALES—Subject matter of sale, executory and executed sales, stoppage in transit, fraud, warranties and remedies for breach of warranties, statute of frauds.
Two hours credit.

SURETYSHIP—Guaranty and suretyship defined and distinguished; application of the Statute of Frauds; commercial guarantee bonds to secure private obligations; bonds of public officers; subrogation, contribution, and indemnity; surety defenses. (1940-41)
Two hours credit.

TORTS—Assault, battery, malicious prosecution, false imprisonment, negligence, deceit, slander, libel, and labor disputes.
Four hours credit.

TRUSTS—Lectures and Scott's Cases, embracing voluntary trusts, language and formalities necessary to the creation of a trust, resulting trusts, oral trusts, constructive trusts, executed and executory interests of trustees. (1939-40)
Two hours credit.

WILLS—Testamentary capacity; dispositions in contemplation of death; execution, revocation, republication, and revival of wills; descent; liability of heirs for debt; probate and administration; title and powers of executors and administrators; payment of debts, legacies and distributive shares. (1939-40)
Two hours credit.

NOTE—Subjects taught, hours of instruction, tuition charges, case books, and all matters of a similar character are subject to change any time by the dean and president.

YOUNGSTOWN COLLEGE

DEGREES CONFERRED, 1938

Bachelor of Laws

Brown, William Foster.....	Youngstown
Donahue, John L.....	Youngstown
Dougherty, Paul.....	Youngstown
Kryzan, Frank X.....	Youngstown
Mastriana, Anne Marie.....	Youngstown
Shields, Ina W.....	Youngstown
Shields, Lysle M.....	Youngstown
Wester, Arthur E.....	Youngstown

Bachelor of Arts

Agnone, Madeline.....	Youngstown
Bandy, Howard D.....	Youngstown
Barker, Mary Lucretia.....	Parma Heights
Brown, William Arthur.....	Diamond
Cassano, Stella Maria.....	Youngstown
De Bartolo, James T.....	Youngstown
Diacandrew, Michael D.....	Youngstown
D'Orsi, Albert.....	Youngstown
Dyer, Clarence Hibbard.....	Pendleton, Ind.
Ellsworth, Ruth Adams.....	Youngstown
Fiess, Max E.....	Youngstown
Friedman, Donald L.....	Youngstown
Gambrel, Francis J.....	Youngstown
Gold, Miriam.....	Youngstown
Hartmann, William M.....	Youngstown
Jaczko, Frank Joseph.....	Youngstown
Keckley, Virginia.....	Youngstown
Kirkner, M. Janet.....	Youngstown
Koniecko, Alexander Joseph.....	Youngstown
Maloney, Paul Eugene.....	Youngstown
Margo, Madeline Joanne.....	Youngstown
McCracken, George Arthur.....	Youngstown
Middleton, John A.....	Youngstown
Miller, Gladys Louise.....	Youngstown
Monahan, Anna Mary.....	Girard
Powers, Jeannette.....	Canfield
Rempes, Howard C.....	Youngstown
Rodgers, Elinor M.....	Youngstown
Ross, Anthony Tee.....	Struthers
Russo, Philomena Alma.....	Youngstown
Shields, Paul Edward.....	Youngstown
Smith, James Edward.....	Youngstown

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Treffert, Fay M.	Niles
Tucciarone, Adeline H.	Hubbard
Westfall, Rebekah Jardin	Youngstown
Wilcox, Churchill Klages	Canfield
Wood, Herman Robert	Warren

Bachelor of Science in Education

Wighton, Marjorie Shaw	Youngstown
------------------------	------------

Associate in Business Administration

Cailor, John H.	Youngstown
Kelly, Ralph L.	Youngstown
Knauff, Paul N.	Girard
Knight, Philip John	Sharon, Pa.
Koczur, John P.	Girard
Lampila, Albert T.	Warren
Lowry, Robert I.	Warren
McKee, James A.	Sharon, Pa.

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 Agnone, Daniel (Soph.) Youngstown
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 Anderson, Robert L. (Fr.) Youngstown
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 Baltes, Sara (Fr.) North Jackson
 Barker, Charles Jr. (Fr.) Niles
 Barlett, John (Sr.) Campbell
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 Barrett, Eunice Marie (Soph.) Youngstown
 Barrett, Thomas (Fr.) Youngstown
 Barsodi, John (Fr.) Youngstown
 Bartholomew, Charles (Fr.) Warren
 Bartolo, William (Sr.) Youngstown
 Baseom, Marian (Fr.) Youngstown
 Bates, Fred (Fr.) Struthers
 Baugh, Robert (Sr.) Youngstown
 Baumgardner, Carl (Fr.) Youngstown
 Bayowski, Eugene (Soph.) Mineral Ridge
 Bench, Roy (Soph.) Kinsman
 Beckman, William (Sr.) Youngstown
 Beemer, Ralph (Fr.) Youngstown
 Beaver, Grace (Sr.) Youngstown
 Bergs, Howard (Fr.) Youngstown
 Behrend, Wayne (Fr.) Youngstown
 Relief, Sam (Fr.) Youngstown
 Bell, Lucille (Fr.) Struthers
 Bell, William (Soph.) Warren
 Benish, Joseph (Fr.) Youngstown
 Bender, Jack (Fr.) Canfield

 Bender, James (Fr.) Columbiana
 Berendt, Rose (Fr.) Youngstown
 Berg, Kenneth (Soph.) Youngstown
 Bergman, Elva (Soph.) Youngstown
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 Berman, Hilda (Fr.) Youngstown
 Berndt, Paul (Fr.) Youngstown
 Bevilacqua, Adele (Fr.) Youngstown
 Bevington, Joel (Fr.) Youngstown
 Bigowski, Josephine (Fr.) Youngstown
 Billett, James (Fr.) Youngstown
 Birch, Homer (Fr.) Struthers
 Birchard, Betty (Fr.) Youngstown
 Birskevich, William (Soph.) Niles
 Biviano, Sam (Fr.) Niles
 Black, Harold (Fr.) Youngstown
 Black, Kenneth (Fr.) Youngstown
 Black, Mary Louise (Sr.) Struthers
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 Blair, Howard (Fr.) Poland
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 Bode, Elizabeth (Soph.) Youngstown
 Bolan, Theodore (Fr.) Youngstown
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 Booker, Simeon Jr. (Soph.) Youngstown
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 Bowen, George (Soph.) Youngstown
 Bowles, George (Fr.) Youngstown
 Bowman, Edwin (Fr.) Youngstown
 Bowers, Paul (Fr.) Cortland
 Bowsler, William (Fr.) Youngstown
 Brajdich, Ray (Fr.) Youngstown
 Brawn, Jean (Fr.) Youngstown
 Breckner, George (Fr.) Youngstown
 Bresnahan, William (Fr.) Struthers
 Brobst, Myron (Fr.) Youngstown
 Brody, Jerome (Soph.) Youngstown
 Brody, Myron (Fr.) Youngstown
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 Brown, Betty (Soph.) Youngstown
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 Brown, James (Fr.) Niles
 Brown, J. Grant (Soph.) Youngstown
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 Bryan, Joseph (Fr.) Salem
 Bryn, Alberta (Fr.) Youngstown
 Burbee, Wendell (Fr.) Youngstown
 Bullock, Curtis (Fr.) Youngstown
 Purford, William (Fr.) Farndale
 Burkhardt, William (Fr.) Leavittsburg
 Burns, Robert (Fr.) Youngstown
 Burrows, Austin (Fr.) Youngstown
 Burrows, Nell (Fr.) Hubbard
 Burtner, Winifred (Fr.) Youngstown
 Burton, Elizabeth (Sr.) Youngstown
 Bush, Joseph (Fr.) Youngstown
 Butch, Daniel (Fr.) Leontonia
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 Byerly, Virginia (Soph.) Canfield
 Byers, Charles (Fr.) Warren

 Cain, Harold (Soph.) Niles
 Calpin, Thomas (Fr.) Youngstown

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 Cashon, Robert (Fr.) Canfield
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 Collins, Arnold Jr. (Fr.) Youngstown
 Collins, Paul (Fr.) Sharon, Pa.
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 Conklin, Caroline (Fr.) Poland
 Conley, Edward (Fr.) Warren
 Conover, Walter (Fr.) New Castle, Pa.
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 Conricote, James (Fr.) Youngstown
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 Cook, Sister Mary (Jr.) Youngstown
 Copeland, Olive (Fr.) Niles
 Corlotzi, Carl (Soph.) Youngstown
 Cornelius, David (Sr.) Youngstown
 Corrado, Joseph (Fr.) Youngstown
 Costarella, Adam (Sr.) Girard
 Cowdery, Doris (Jr.) Hartford
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 Coyle, Frank (Fr.) Youngstown
 Coyne, Robert (Fr.) Youngstown
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 Davies, Gladys (Fr.) Youngstown
 Davies, Robert (Soph.) Youngstown
 Davis, Donald (Soph.) Youngstown
 Davis, James (Fr.) Youngstown
 Davis, Robert (Soph.) Youngstown
 Davis, Thomas (Sr.) Youngstown
 Davis, Zylpha (Sr.) Youngstown
 Dean, Virginia (Jr.) Youngstown
 Dean, Paul (Jr.) Struthers
 Deas, Alexander (Fr.) Youngstown
 DeBartolo, Sylvia (Fr.) Youngstown
 DeCola, Joseph (Fr.) Youngstown
 DeCola, Thomas (Fr.) Niles
 Defendeifer, LaVerne (Fr.) Struthers
 DeLemos, Constance (Fr.) Youngstown
 DelFraino, Alfred (Soph.) Lowellville
 DeLucia, Anthony (Soph.) Youngstown
 Denny, Joseph (Fr.) Warren
 Dennison, Dorothy (Fr.) Youngstown
 Denny, Clarence (Fr.) Lowellville
 Dent, Beryl (Fr.) Youngstown
 DeScenna, Emil (Fr.) Warren
 Devine, Dennis (Sr.) Struthers
 Devine, Sylvanus (Jr.) Struthers
 Diehl, Harry (Fr.) Niles
 Diehl, Henry (Fr.) Cortland
 Dillon, James (Jr.) Youngstown
 Dignan, Mary (Fr.) Youngstown
 Dillon, Robert (Fr.) Girard
 Dilworth, L. Duane (Fr.) Salem
 DiRenzo, Peter (Fr.) Lowellville
 Divine, Garnett (Fr.) Youngstown
 DiYorio, Joseph (Fr.) Youngstown
 Dollison, James (Fr.) Youngstown
 Donchess, Joseph (Fr.) Youngstown
 Donnan, Eleanor (Soph.) Youngstown
 Donnelly, Catherine (Fr.) Sharon, Pa.
 Donnelly, Rosemary (Fr.) Youngstown
 Donnet, Victor (Fr.) Niles
 Doudna, David (Fr.) Columbiana
 Downey, John (Fr.) Sharon, Pa.
 Downey, Lee (Soph.) Sharon, Pa.
 Downie, Alex (Fr.) Youngstown
 Downs, Julia (Soph.) Youngstown
 Doyle, Jack (Fr.) Hubbard
 Drabers, Chories (Jr.) Warren
 Dreher, Frank (Jr.) Youngstown
 Drennen, Genevieve (Jr.) Warren
 Duffie, Monroe (Jr.) Youngstown
 Dunbar, Pauline (Fr.) Cortland
 Durig, Mary (Fr.) Brookfield
 Durig, Melvina (Soph.) Hubbard
 Durivage, Arthur (Fr.) Youngstown
 Dusi, Louis (Fr.) Sharon, Pa.
 Dustman, William (Fr.) Warren
 Dzunda, Martha (Jr.) Nutwood
 Eckert, Raymond (Jr.) Youngstown
 Eckert, Wilford (Sr.) Youngstown
 Edwards, Donald (Fr.) Youngstown
 Edwards, Suzanne (Fr.) Youngstown
 Ehrlich, Charles (Jr.) Sharon, Pa.

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 Ellis, Joe (Soph.) Youngstown
 Ellis, Robert (Soph.) Youngstown
 Elser, Galen (Sr.) North Lima
 Emch, Paul (Jr.) Youngstown
 Emerson, Milouise (Fr.) Youngstown
 Enterline, Edwin (Fr.) Youngstown
 Enterline, S. Walter (Jr.) Youngstown
 Enyeart, William (Soph.) Girard
 Erickson, Arthur (Fr.) Struthers
 Erickson, Henry (Fr.) Youngstown
 Erickson, Willard, (Fr.) Youngstown
 Ernert, Eric (Fr.) Lowellville
 Esterly, Joseph (Fr.) Canfield
 Estes, John (Jr.) Youngstown
 Evanick, Edward (Fr.) Hubbard
 Evans, Harlan (Fr.) Warren
 Evans, Harry (Fr.) Youngstown
 Evans, William C. (Fr.) Youngstown
 Evans, William G. (Fr.) Youngstown
 Ewanik, Joseph (Soph.) Canfield
 Ewing, James (Fr.) Youngstown

Fagadore, Thomas Jr. (Soph.) Warren
 Fairbanks, Edith (Jr.) Youngstown
 Falls, Harry (Fr.) New Castle, Pa.
 Farkas, Anthony (Soph.) Warren
 Farr, George (Fr.) Youngstown
 Farr, Howard (Fr.) Youngstown
 Faulkner, Catherine (Soph.) Youngstown
 Feehete, Sofron (Soph.) Youngstown
 Fedeshen, John (Fr.) Youngstown
 Fedor, Samuel (Sr.) Hubbard
 Feeley, Jack (Fr.) Youngstown
 Fekete, Paul (Jr.) Struthers
 Feldstein, George (Soph.) Youngstown
 Fellers, Marjorie (Fr.) Youngstown
 Fete, John (Fr.) Warren
 Fibus, Sara (Fr.) Youngstown
 Filipis, Vincent (Soph.) Youngstown
 Findley, Betsy (Fr.) Poland
 Findley, Margaret (Jr.) Poland
 Findley, Nancy (Soph.) Poland
 Finnegan, Elizabeth (Fr.) Sharon, Pa.
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 Fish, Yale (Fr.) Youngstown
 Fisher, Betty (Fr.) Youngstown
 Fisher, George (Sr.) Youngstown
 Fisher, Roy (Fr.) Youngstown
 Fisher, Samuel (Fr.) Youngstown
 Fisher, Woodrow (Soph.) Youngstown
 Fitch, Arthur (Fr.) Youngstown
 Fitchet, John (Fr.) Youngstown
 FitzSimons, William (Soph.) Youngstown
 Flack, Edna (Fr.) Struthers
 Flannery, James (Soph.) Youngstown
 Flint, Frank (Fr.) Youngstown
 Floor, Charles (Fr.) Youngstown
 Foley, Howard (Fr.) Youngstown
 Ford, David (Fr.) Youngstown
 Ford, Jean (Fr.) Youngstown
 Forestal, Raymond (Fr.) Youngstown
 Formichelli, Arthur (Jr.) Youngstown
 Forrest, David (Soph.) New Castle, Pa.
 Fortunato, Joseph (Fr.) Youngstown
 Foster, Paul (Jr.) Youngstown
 Fox, Annette (Fr.) Youngstown
 Fox, Ruth (Fr.) Youngstown
 Foxman, Jerome (Jr.) Youngstown
 Franklin, James (Fr.) Youngstown
 Franko, John (Fr.) Youngstown
 Fraser, John (Soph.) Youngstown
 Frech, John (Fr.) Niles
 Frech, Robert (Jr.) Niles
 Freed, Albert (Fr.) Youngstown
 Freed, Irvine (Fr.) Farrell, Pa.
 Freed, John (Fr.) Youngstown

Frejd, Oscar (Fr.) Sharon, Pa.
 Frew, Robert (Fr.) Farrell, Pa.
 Friedland, Seymour (Fr.) Youngstown
 Fritz, Theora (Fr.) Warren
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 Fuzy, Paul (Fr.) Youngstown

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 Gainan, Thomas (Soph.) Youngstown
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 Gallagher, Pete (Sr.) Youngstown
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 Gardner, Martha (Fr.) Butler, Pa.
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 Gaspar, George (Fr.) Struthers
 Gegoski, Joseph (Fr.) Youngstown
 Geho, Theodore (Fr.) McDonald
 Geise, Clayton (Fr.) Youngstown
 Gelhaar, Carl (Fr.) Youngstown
 George, George A. (Jr.) Girard
 Gerdes, Blaine (Fr.) Youngstown
 Gerzeny, Joseph (Fr.) Campbell
 Giardullo, John (Soph.) Youngstown
 Giardullo, Wilma (Fr.) Youngstown
 Gibbons, Robert (Fr.) Youngstown
 Gifford, Helen (Sr.) Youngstown
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 Gilboy, James (Soph.) Youngstown
 Gilkey, Emelyn (Fr.) W. Middlesex, Pa.
 Gill, Marion (Jr.) Campbell
 Gill, Sloko (Fr.) Campbell
 Gillam, George (Fr.) Youngstown
 Gillespie, Eugene (Soph.) Youngstown
 Gillette, James (Fr.) Warren
 Gillette, Norman (Soph.) Warren
 Glass, Sylvia (Soph.) Youngstown
 Gleason, William (Fr.) Youngstown
 Gleba, Thomas (Fr.) Youngstown
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 Goeltz, Esther (Jr.) Sharon, Pa.
 Goeltz, Ruth (Sr.) Sharon, Pa.
 Gogesch, William (Fr.) Campbell
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 Goodridge, Don (Fr.) Youngstown
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 Gorgas, Virginia (Fr.) Struthers
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 Hall, Mardell (Fr.) Youngstown
 Hallahan, Agnes (Fr.) Youngstown
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 Hamerton, Thomas (Fr.) Youngstown
 Hamrock, Aloysius (Jr.) Youngstown
 Hamrock, Thomas (Fr.) Poland
 Handel, Ruth (Fr.) Youngstown
 Hannah, Alvin (Soph.) Youngstown
 Hanasome, Russell (Jr.) Youngstown
 Haralambie, John (Jr.) Youngstown
 Harbottle, Robert (Fr.) Youngstown
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 Harris, Dudley (Fr.) Warren
 Harris, Harry (Fr.) Youngstown
 Harris, Isabelle (Fr.) Youngstown
 Harris, Kenneth (Fr.) Lowellville
 Harrison, Bert (Fr.) Youngstown
 Harrison, Helen (Jr.) Niles
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 Hart, Mildred (Sr.) Petersburg
 Hart, Vaughan (Sr.) Youngstown
 Hartenstein, Robert (Fr.) New York, N. Y.
 Hathorn, Thelma (Fr.) Youngstown
 Haught, Henry (Fr.) Youngstown
 Havstovich, Paul (Fr.) Youngstown
 Hayden, Vernon (Fr.) Niles
 Hayes, Frank (Fr.) Warren
 Haynes, Floyd (Soph.) Youngstown
 Haynes, Lloyd (Soph.) Youngstown
 Headd, Jack (Fr.) McDonald
 Heber, James (Fr.) Newton Falls
 Heckman, Charles (Jr.) Youngstown
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 Hernan, Francis (Jr.) Youngstown
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 Hewitt, James (Soph.) New Castle, Pa.
 Hibben, Lawrence (Fr.) Youngstown
 Hibler, Avis (Jr.) Hubbard
 Hickey, Philto (Soph.) Youngstown
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 Hill, Mary (Fr.) Youngstown
 Hillman, Herbert (Fr.) Youngstown
 Hillman Robert (Fr.) Youngstown
 Hilton, Jack (Soph.) Warren
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 Hinkson, Wilford (Fr.) Girard
 Hitter, Martin (Fr.) Youngstown
 Hnat, Mary (Fr.) Youngstown
 Hobart, Virgil (Fr.) Youngstown
 Hodari, Virginia (Fr.) Youngstown
 Hodesson, Eli (Fr.) Youngstown
 Hoffman, Donald (Jr.) Youngstown
 Hoffman, Glen (Fr.) Niles
 Hogan, Harry (Soph.) Girard
 Hogan, Marian (Fr.) Youngstown
 Holberson, Henry (Fr.) Youngstown
 Holliday, Mary Jane (Fr.) Sharpsville, Pa.
 Holmes, E. Gerald (Soph.) Youngstown
 Hoop, Margaret (Fr.) Struthers
 Hoover, Glen (Fr.) Struthers
 Hoover, Harriet (Soph.) Youngstown
 Hoover, John Charles (Fr.) Youngstown
 Horner, Virginia (Jr.) Youngstown
 Horst, Robert (Fr.) Columbiana
 Hoskins, William (Soph.) Youngstown
 Hoskinson, Charles (Sr.) Mineral Ridge
 Hossel, Betty (Soph.) Youngstown
 Hotis, Irving (Fr.) Youngstown
 Howard, Bryant (Sr.) Warren
 Hrabko, Paul (Soph.) Youngstown
 Hrinko, Michael (Fr.) Youngstown
 Hrzich, Steve (Fr.) Youngstown
 Hughes, Richard (Fr.) Youngstown
 Humes, Paul (Fr.) Youngstown
 Hunsinger, Alvin (Fr.) Youngstown
 Hunter, Janice (Soph.) Youngstown
 Hurford, William (Fr.) Sharon, Pa.
 Hyatt, Franklin (Fr.) Youngstown
 Inglis, Norman (Sr.) Youngstown
 Ifts, Frank (Fr.) Youngstown
 Ivanchak, Mike Jr. (Fr.) Niles
 Jaboor, George (Fr.) Youngstown
 Jakubik, John (Fr.) Campbell
 James, Alfred (Fr.) Youngstown
 James, Edwin (Fr.) Youngstown
 James, Ethelyn (Fr.) Youngstown
 James, Gordon (Fr.) Warren
 James, N. Ralph (Soph.) Youngstown
 James, Reese (Soph.) Youngstown
 Jardine, William (Fr.) Youngstown
 Jayne, William (Fr.) Youngstown
 Jenkins, Betty (Fr.) Youngstown
 Jenkins, Charles (Jr.) Warren
 Jenkins, William (Fr.) New Castle, Pa.
 Jenkins, Robert (Fr.) Youngstown
 Jenosevich, Stephen (Fr.) Youngstown
 Jeren, John (Fr.) Youngstown
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 Johnson, Ben M. Jr. (Jr.) Youngstown
 Johnson, Irwin (Fr.) Youngstown
 Johnson, Kenneth (Fr.) Youngstown
 Johnson, Naomi (Fr.) Youngstown
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 Johnson, Theo Virginia (Fr.) Youngstown
 Johnston, Raymond (Fr.) Youngstown
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 Jones, Ralph (Fr.) Youngstown
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 Kasony, John (Fr.) Youngstown
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 Kauffmann, Bertram (Fr.) Youngstown
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 Kennedy, John (Soph.) Youngstown
 Kennedy, Rita (Fr.) Youngstown
 Kennedy, William (Fr.) Youngstown

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 Kepko, Albert (Fr.) Youngstown
 Kern, Brunetta (Jr.) Canfield
 Kessler, Morris (Fr.) Youngstown
 Ketterer, Robert (Fr.) Salem.
 King, Carolyn (Jr.) Poland
 King, Kenneth (Fr.) Youngstown
 Kirchner, Margaret (Fr.) Youngstown
 Kirkner, Norbert (Soph.) Youngstown
 Kish, Alex (Fr.) Campbell
 Kish, Constance (Fr.) Youngstown
 Kishton, Donald (Fr.) Youngstown
 Kissinger, Alvin (Fr.) Sharon, Pa.
 Klatman, Philip (Fr.) Youngstown
 Kline, Charles (Jr.) Warren
 Kline, Howard (Fr.) Youngstown
 Klinich, Mary (Fr.) Youngstown
 Klupik, Pauline (Fr.) Youngstown
 Knight, Bill (Fr.) Girard
 Knight, Oliver (Fr.) Sharon, Pa.
 Knight, William (Fr.) Youngstown
 Knouss, Caroline (Soph.) Youngstown
 Knuff, Carmelita (Sr.) Cleveland
 Knutti, Robert (Fr.) Youngstown
 Koch, Joseph (Soph.) Youngstown
 Kohlmorgan, Jeanne (Fr.) Youngstown
 Kollmann, Charles (Fr.) Hubbard
 Kossick, Edward (Fr.) Youngstown
 Krajei, Victor (Soph.) Youngstown
 Kramer, Jack (Fr.) Youngstown
 Kramer, Paul (Fr.) Niles
 Kranitz, Aaron (Fr.) Youngstown
 Krivan, John (Fr.) Lowellville
 Krupa, Michael (Fr.) Youngstown
 Kubina, Frank (Fr.) Youngstown
 Kulikoff, Sidney (Soph.) Youngstown
 Kumik, Frank (Fr.) Youngstown
 Kundis, Lawrence (Soph.) Youngstown
 Kurjan, Harold (Soph.) Youngstown
 Kurjan, Phelps (Soph.) Youngstown
 Kurjan, Victor (Soph.) Youngstown
 Kurtz, John (Fr.) Columbiana
 Kurtz, Joseph (Fr.) Youngstown
 Kusnic, John (Fr.) Youngstown
 Kusnic, Joseph (Fr.) Youngstown

 Laffer, Molly (Jr.) Youngstown
 LaForce, Ray (Fr.) Struthers
 Landers, Louise (Soph.) Youngstown
 Landolt, John (Fr.) Youngstown
 Lang, Robert (Fr.) Canfield
 Lange, Sterling (Fr.) Youngstown
 Lanz, Fred (Fr.) Youngstown
 Lasko, Leonard (Soph.) Youngstown
 Latell, Frank (Fr.) Girard
 Latimer, Ethel (Soph.) Youngstown
 Laughrey, Evelanore (Fr.) Youngstown
 Lavin, John (Fr.) Girard
 Law, Leo, (Fr.) Niles
 Lawson, Alma (Fr.) Johnstown, Pa.
 Layne, Thomas (Fr.) Youngstown
 Layshock, Kathleen (Fr.) Youngstown
 Lebio, Joseph (Jr.) Youngstown
 Leedy, John (Fr.) Youngstown
 Leedy, Robert (Fr.) Youngstown
 Leeson, John (Fr.) Youngstown
 Leeson, Michael (Fr.) Lestonia
 Leibel, Sol (Jr.) Youngstown
 Leidy, Mary (Fr.) Youngstown
 Leighninger, David (Fr.) Youngstown
 Leimbach, Fredrick (Fr.) Greenford
 Lesh, Harold (Fr.) W. Middlesex, Pa.
 Lev, Harry (Fr.) Youngstown
 Levington, Philip (Fr.) Youngstown
 Levinton, Saul (Fr.) Youngstown
 Levoff, Harold (Jr.) Youngstown
 Lewis, Beveraux (Fr.) Sharon, Pa.
 Lewis, Howard (Fr.) Youngstown

 Lewis, Robert (Soph.) Sharon, Pa.
 Lewis, Robert (Fr.) Youngstown
 Linamen, Patricia (Fr.) Warren
 Linberger, Paul (Fr.) Youngstown
 Lindberg, Victor (Fr.) Youngstown
 Lindgren, Willard (Fr.) Youngstown
 Liskay, Geza (Fr.) Youngstown
 Litvin, William (Sr.) Niles
 Lloyd, David (Fr.) Youngstown
 Long, El S. (Soph.) Cortland
 Long, Ralph Jr. (Soph.) Salem
 Lopatta, Beatrice (Fr.) Youngstown
 Lovell, Margaret (Fr.) Youngstown
 Lowry, Martin (Fr.) Youngstown
 Lumsden, Margaret (Fr.) Sheboygan Falls, Wis.
 Lynch, Edward (Soph.) Youngstown
 Lynch, Vincent (Fr.) Niles
 Lyndon, Alan (Fr.) Youngstown
 Lynn, Marion (Jr.) Mineral Ridge
 Lynn, Patrick (Fr.) Youngstown

 McAllen, Edward (Fr.) Youngstown
 McBride, Edwin (Fr.) New Castle, Pa.
 McBurney, Paul (Fr.) Warren
 McCaffrey, William (Fr.) Youngstown
 McComas, Luella (Jr.) Youngstown
 McConnell, John (Fr.) Brookfield
 McConnell, Robert (Fr.) Mineral Ridge
 McCord, Edgar (Fr.) Youngstown
 McCorkle, Betty (Soph.) Warren
 McCoy, Pauline (Fr.) Mercer, Pa.
 McCullough, Edgar (Fr.) Poland
 McEntire, Bruce (Fr.) Warren
 McFarland, Margaret (Fr.) Youngstown
 McGeath, Orlo (Sr.) Campbell
 McGraw, Julia (Fr.) Youngstown
 McKee, Charles (Fr.) Youngstown
 McKenzie, Mary (Fr.) Youngstown
 McKibben, Florence (Jr.) Newton Falls
 McKnight, James (Soph.) Youngstown
 McLaughlin, Frank (Soph.) Hubbard
 McMaster, Martha (Fr.) Sharon, Pa.
 McMichael, Vera (Sr.) Youngstown
 McPhee, Donald (Fr.) Canfield
 McQuiston, Clarence (Fr.) Girard
 McWilliams, Charles W. (Fr.) Hubbard
 MacDonnell, Edward (Soph.) Youngstown
 Macejko, Rose (Fr.) Struthers
 Maceia, Andy (Fr.) Campbell
 MacGoogan, Margaret (Soph.) Youngstown
 Mackil, Dave (Sr.) Youngstown
 Madden, George (Fr.) Pittsburgh, Pa.
 Madison, Getrude (Fr.) Niles
 Maffei, Marle (Fr.) Tarentum, Pa.
 Maggiano, Michael (Sr.) Warren
 Maguire, Virginia (Jr.) Youngstown
 Mahar, John (Fr.) Youngstown
 Majkranz, William (Fr.) Youngstown
 Major, Melania (Fr.) Sharon, Pa.
 Major, Albert (Soph.) Youngstown
 Malin, James (Fr.) Youngstown
 Mallett, John (Soph.) Sharon, Pa.
 Maloney, Thomas (Jr.) Niles
 Maloy, Bernard (Fr.) E. Palestine
 Malys, Walter (Fr.) Campbell
 Maresky, Caroline (Fr.) Youngstown
 Marsh, John (Soph.) Warren
 Martin, Anita (Soph.) Sharon, Pa.
 Martin, Warren, (Fr.) Sharpsville, Pa.
 Martin, William (Fr.) Struthers
 Masson, Mary Olive (Fr.) Lowellville
 Masters, Edgar (Fr.) Lowellville
 Matulik, Barbara (Fr.) Youngstown
 Matus, Julia (Fr.) Youngstown
 Matuzich, Joseph (Fr.) McDonald
 Maze, Kathryn (Fr.) Struthers
 Mazar, John (Fr.) Youngstown
 Meacham, Louis (Fr.) Youngstown

REGISTER OF STUDENTS

Meadows, Ruth (Fr.) Youngstown
 Mears, Francis (Fr.) Niles
 Medicus, Mark (Jr.) Youngstown
 Meech, Harold (Fr.) Youngstown
 Meech, Milton (Fr.) Youngstown
 Meehan, Raphael (Jr.) Youngstown
 Meine, William (Fr.) Youngstown
 Melek, Andrew (Fr.) Campbell
 Mellinger, Paul (Fr.) Youngstown
 Mencer, Mary (Jr.) Lowellville
 Mencer, Ruth (Sr.) Lowellville
 Menning, Matilda (Jr.) Youngstown
 Menster, Ralph (Fr.) Youngstown
 Meredith, William (Fr.) Youngstown
 Meech, Betty (Fr.) Youngstown
 Metcalfe, Genevieve (Fr.) Warren
 Meyer, Allan (Fr.) Youngstown
 Middleman, Leo (Soph.) Youngstown
 Miele, James (Fr.) Niles
 Mikita, Joseph (Soph.) Youngstown
 Miller, Florence (Fr.) Youngstown
 Miller, Francis (Fr.) Cleveland
 Miller, Frederick (Fr.) Burghill
 Miller, Herman (Fr.) Niles
 Miller, J. Grayson (Soph.) Youngstown
 Miller, James (Fr.) Youngstown
 Miller, John (Jr.) Youngstown
 Miller, Paul (Jr.) Warren
 Miller, Warren (Fr.) Youngstown
 Mincher, Mary (Fr.) Youngstown
 Mines, Clara (Fr.) Youngstown
 Miranda, James (Soph.) Niles
 Mitchell, Thomas (Fr.) Youngstown
 Mittler, William (Fr.) Youngstown
 Mollin, Fred (Fr.) McDonald
 Moliterno, Anthony (Jr.) Girard
 Mondrut, George (Fr.) Niles
 Montasana, James (Soph.) Youngstown
 Montgomery, John H. (Fr.) Youngstown
 Montgomery, John R. (Fr.) Youngstown
 Moody, Paul (Fr.) Youngstown
 Moore, Earl Jr. (Fr.) Struthers
 Moore, Francena (Sr.) Struthers
 Moore, Frank (Fr.) Youngstown
 Moore, Levern (Fr.) Youngstown
 Moore, Thomas (Fr.) Youngstown
 Moran, Betty (Fr.) Youngstown
 Moran, Frank (Fr.) Warren
 Morelli, Paul (Fr.) Youngstown
 Moreman, Carolyn (Fr.) Youngstown
 Moreman, Miriam (Fr.) Youngstown
 Moray, Steven (Soph.) Youngstown
 Moran, Jack (Fr.) Youngstown
 Morley, Robert (Fr.) Youngstown
 Mosley, Thomas (Jr.) Youngstown
 Morocco, Louis (Fr.) Farrell, Pa.
 Morrison, Betty (Fr.) Youngstown
 Mottet, Edgar (Fr.) Youngstown
 Motzinger, Lucile (Soph.) Youngstown
 Mucci, Victor (Fr.) Youngstown
 Mureci, Frances (Fr.) Campbell
 Murphy, Edward (Fr.) Youngstown
 Murphy, Robert (Jr.) Youngstown
 Murray, Marjorie (Fr.) Warren
 Mussin, Freda (Jr.) Youngstown
 Myrovich, Alvin (Jr.) Youngstown
 Myers, Ray (Fr.) Warren
 Naples, Jennie (Soph.) Youngstown
 Naples, Ralph (Soph.) Youngstown
 Ward, James (Fr.) Youngstown
 Narky, Anthony (Fr.) Niles
 Natsman, Nathan (Fr.) Youngstown
 Naughton, Rita (Fr.) Struthers
 Neelika, Nicholas (Soph.) Youngstown
 Neff, James (Fr.) McDonald
 Neemark, Bella (Jr.) Lowellville
 Nelson, Richard (Fr.) Youngstown
 Nelson, William (Soph.) Bessemer, Pa.
 Nerone, Therese (Jr.) Campbell
 Newberry, Ray (Fr.) Youngstown
 Nemeth, Dave (Soph.) Youngstown
 Newhouse, Mary (Fr.) Warren
 Newman, James (Fr.) Youngstown
 Nicolay, Robert (Fr.) Warren
 Nicholls, George (Fr.) Edinburg, Pa.
 Nichols, William (Fr.) Youngstown
 Noble, Fred (Fr.) Youngstown
 Nodine, Paul (Fr.) Warren
 Noel, Sister Mary (Soph.) Youngstown
 Noll, Myron (Soph.) Youngstown
 Norton, Anastasia (Sr.) Youngstown
 Notary, Marietta (Fr.) Struthers
 Novotny, Joseph (Fr.) Youngstown
 Nowak, Carl (Fr.) Youngstown
 Nude, Dominic (Soph.) Youngstown
 Obenaus, Frederick (Jr.) Youngstown
 O'Brien, Andrew (Fr.) Pottsville, Pa.
 O'Brien, Richard (Fr.) Niles
 Ocker, Maurice (Soph.) Youngstown
 O'Dal, Joseph Jr. (Fr.) Farrell, Pa.
 O'Donnell, Dorothy (Fr.) Youngstown
 O'Hara, Jane (Soph.) Youngstown
 O'Hatnick, E. Edward (Soph.) Youngstown
 O'Horo, Dan Jr. (Fr.) Youngstown
 Olds, Margaret (Sr.) Youngstown
 Ollis, Nick (Soph.) Warren
 O'Linn, Mary (Fr.) Youngstown
 O'Neil, Mary (Soph.) Youngstown
 Orchard, William (Fr.) Sharon, Pa.
 Orend, John (Fr.) Youngstown
 Orzechowski, Alex. (Soph.) Youngstown
 Osborne, Mark (Fr.) Youngstown
 Ostrosky, Louis (Fr.) New Castle, Pa.
 Ostrowski, Eddie (Fr.) Youngstown
 Ostrowski, Frank (Fr.) Youngstown
 Palchefsky, Frances (Sr.) Youngstown
 Pallotta, Armand (Fr.) Youngstown
 Pallotta, Henry (Fr.) Youngstown
 Pallotta, Lena (Soph.) Youngstown
 Panik, Irene (Fr.) Bridgeport, Conn.
 Pape, John (Fr.) Hillsville, Pa.
 Parfenchuk, Olga (Fr.) Youngstown
 Parilla, Joseph (Soph.) Girard
 Parker, Albert Jr. (Fr.) Poland
 Parker, Howard (Fr.) McDonald
 Parker, Richard (Fr.) McDonald
 Parks, Walter (Fr.) Warren
 Parm, Joseph (Soph.) Youngstown
 Parmenter, Marion (Sr.) Youngstown
 Parry, Abasalom (Fr.) Youngstown
 Parry, Willis (Soph.) Youngstown
 Patriek, Phyllis (Fr.) Youngstown
 Patriek, Winifred (Jr.) Youngstown
 Patterson, Jacob (Soph.) Youngstown
 Patterson, Jean (Fr.) Youngstown
 Patterson, Russell (Fr.) Niles
 Patterson, William (Fr.) Youngstown
 Paul, Albert (Fr.) Youngstown
 Paul, Georgia (Sr.) Youngstown
 Paul, Harry (Fr.) Youngstown
 Payer, Joseph (Fr.) Youngstown
 Payne, Stanley (Jr.) Youngstown
 Pellegrine, Lee (Fr.) Youngstown
 Penfield, Mary (Jr.) Struthers
 Penman, John (Soph.) Hubbard
 perantoni, Matzie (Fr.) Youngstown
 Peterson, Richard (Soph.) Youngstown
 Peterson, Shirley (Soph.) Lockwood, N. Y.
 Petrek, Joseph (Fr.) Youngstown
 Petrella, James (Soph.) Niles
 Petrini, Mark (Jr.) Sharon, Pa.
 Pezzuto, Albert (Fr.) Youngstown
 Pfaus, G. Robert (Fr.) Youngstown
 Piccolo, Anthony (Soph.) Youngstown
 Pierko, John (Fr.) Niles

YOUNGSTOWN COLLEGE

Pillifant, Thomas (Fr.) Masury
 Pinter, Robert (Fr.) Struthers
 Pisani, Almond (Jr.) Youngstown
 Pitlik, Elmer (Fr.) Campbell
 Pittenger, Leland (Soph.) E. Liverpool
 Pitts, Phyllis (Fr.) Youngstown
 Playforth, Dorothy (Fr.) Youngstown
 Plecha, Stanley (Fr.) McDonald
 Poes, Aaron (Fr.) Youngstown
 Polangin, Alex (Fr.) Farrell, Pa.
 Porter, Constance (Fr.) Youngstown
 Porter, Edward (Fr.) Youngstown
 Porter, Henrietta (Fr.) Youngstown
 Potor, Valentina (Soph.) Campbell
 Pound, William (Jr.) Youngstown
 Powell, Thelma (Fr.) Poland
 Powers, Mildred (Sr.) Girard
 Pratt, Edward (Fr.) Youngstown
 Pressly, John (Soph.) Campbell
 Preston, Gerald (Fr.) Canfield
 Prezioso, Angelo (Sr.) Youngstown
 Price, Marjorie (Fr.) Youngstown
 Prior, Irene (Fr.) Youngstown
 Pritchard, Clark (Soph.) Hubbard
 Procter, Edward (Sr.) Youngstown
 Prosser, Everett (Fr.) Youngstown
 Pugh, Harry (Soph.) Youngstown

Quinlan, William (Fr.) Youngstown
 Quint, Eugene (Fr.) Youngstown

Raghandi, Fred (Soph.) Youngstown
 Ramsey, Edna (Fr.) Youngstown
 Ramsey, Victor (Jr.) Youngstown
 Randall, Marjorie (Fr.) Youngstown
 Randel, Morgan (Fr.) Youngstown
 Raney, Vincent (Jr.) Youngstown
 Rau, John Jr. (Soph.) Campbell
 Rau, Olga (Fr.) Youngstown
 Ravella, Mike (Soph.) Niles
 Ray, Kennedy (Jr.) Youngstown
 Reany, James (Fr.) Youngstown
 Reebel, Richard (Soph.) Youngstown
 Reed, Arnold (Fr.) Youngstown
 Reed, George (Fr.) Youngstown
 Reed, Gertrude (Fr.) Girard
 Rees, William (Soph.) Youngstown
 Regnery, Louis (Soph.) Youngstown
 Reich, Margaret (Fr.) Youngstown
 Reilly, Mary (Fr.) Youngstown
 Reilly, Raymond (Fr.) Youngstown
 Reinehr, Francis (Fr.) Columbiana
 Reiter, Charles (Jr.) Niles
 Reiter, Geraldine (Fr.) Youngstown
 Remalia, Verne (Sr.) Warren
 Revay, John (Fr.) Youngstown
 Reynolds, Doris (Fr.) Youngstown
 Reynolds, Williams (Fr.) New Castle, Pa.
 Rheuban, Abner (Soph.) Youngstown
 Rheuban, Norman (Fr.) Youngstown
 Rhoades, Nellie (Jr.) Youngstown
 Rice, Lyman (Fr.) Newell, W. Va.
 Richards, Harry (Fr.) Youngstown
 Richards, Mary (Fr.) Youngstown
 Riddle, William (Fr.) Youngstown
 Rider, Roland (Fr.) Youngstown
 Righter, Florence (Soph.) Youngstown
 Ripple, Harold (Jr.) Warren
 Rizak, Frank (Fr.) Youngstown
 Roberts, Margaret (Jr.) Warren
 Roberts, Donn (Fr.) Niles
 Roberts, Thompson (Sr.) Youngstown
 Roberts, William (Fr.) Youngstown
 Robinson, Charles (Fr.) Youngstown
 Robinson, Romeo (Jr.) Youngstown
 Robinson, Thomas (Sr.) Youngstown
 Rodgers, Ernest (Fr.) Poland
 Rodgers, Jeannette (Fr.) Youngstown
 Rosapepe, Carl (Soph.) Youngstown

Rosapepe, Rose (Sr.) Youngstown
 Roscoe, Charles (Fr.) Lockwood
 Rosenblum, Louis (Fr.) Youngstown
 Ross, Mario (Fr.) Campbell
 Ross, Sam (Fr.) Struthers
 Rossman, David (Sr.) Salem
 Rotar, John (Soph.) Campbell
 Rott, Robert (Fr.) Youngstown
 Rowner, Ray (Fr.) Youngstown
 Rudersdorf, Gordon (Fr.) Youngstown
 Rudesill, Frank (Fr.) New Castle, Pa.
 Rudick, Lawrence (Fr.) Youngstown
 Rudick, Milton (Fr.) Youngstown
 Rudjak, Joe (Soph.) Youngstown
 Ruth, John (Fr.) Youngstown
 Russo, Dominic (Fr.) Youngstown
 Rutter, Cloud Jr. (Sr.) Sharon, Pa.

Sanderson, Doris (Fr.) Youngstown
 Sardich, John (Fr.) Youngstown
 Saunders, Robert (Jr.) Youngstown
 Saunders, Ruth (Fr.) Youngstown
 Sause, Jean (Soph.) Youngstown
 Sause, Robert (Fr.) Youngstown
 Sause, William (Jr.) Youngstown
 Schaab, Alys (Fr.) Youngstown
 Schaeffer, Jack (Soph.) Youngstown
 Scally, Geraldine (Fr.) Youngstown
 Scanlon, Michael (Fr.) Youngstown
 Scarnecchia, Margaret (Fr.) Niles
 Scheetz, Rosemary (Fr.) Youngstown
 Scheetz, William (Soph.) Youngstown
 Scherer, Marialene (Soph.) Youngstown
 Schiavoni, Joe (Fr.) Girard
 Schladen, George (Fr.) Girard
 Schmidt, Adam (Soph.) Farrell, Pa.
 Schoenfeld, Eileen (Soph.) Girard
 Schoenfeld, Harry (Soph.) Girard
 Schotten, George (Fr.) Hubbard
 Schrock, Carl (Soph.) Youngstown
 Schuler, Edythe (Fr.) Youngstown
 Schume, John (Sr.) Youngstown
 Schuster, Michael Jr. (Fr.) Youngstown
 Schwager, George (Soph.) Youngstown
 Schwartz, Jack (Fr.) Youngstown
 Schwartz, Mike (Fr.) Youngstown
 Schwers, Jane (Fr.) Youngstown
 Scott, John (Sr.) Youngstown
 Scruggs, William (Sr.) Struthers
 Seefried, Joseph (Jr.) Youngstown
 Segada, John (Fr.) Youngstown
 Segall, Leonard (Sr.) Youngstown
 Seginac, Joseph (Jr.) Farrell, Pa.
 Sekula, Stanley (Fr.) Youngstown
 Seidner, Robert (Fr.) New Springfield
 Seljan, Harry (Fr.) Warren
 Semple, William (Fr.) Youngstown
 Senchak, Metro (Fr.) Youngstown
 Sepic, John (Jr.) Lowellville
 Serbu, Earl (Jr.) Youngstown
 Serromani, Tiberio (Fr.) Youngstown
 Sferra, John (Fr.) Youngstown
 Shafer, Robert (Fr.) Struthers
 Shaffer, John (Soph.) Lowellville
 Shargo, John (Fr.) Youngstown
 Sharpe, George (Fr.) Youngstown
 Shearer, Richard (Fr.) Youngstown
 Sheehan, Patrick (Fr.) Niles
 Sheffield, Loring (Fr.) Warren
 Shenosky, Pete (Fr.) Warren
 Sherfel, Karl (Jr.) Youngstown
 Sherman, Herbert (Fr.) Newton Falls
 Sherman, Seymour (Fr.) Youngstown
 Shilling, George (Fr.) Youngstown
 Shilling, John (Fr.) Youngstown
 Shindledacker, Dean (Fr.) Youngstown
 Shrock, Louis (Fr.) Girard
 Shively, Walton (Sr.) Mineral Ridge
 Shook, John (Fr.) Sharon, Pa.

REGISTER OF STUDENTS

Shoup, Audley (Jr.) Niles
 Shriver, Jean (Fr.) Youngstown
 Shrum, Dwight (Soph.) Youngstown
 Schwartz, Paul (Fr.) Struthers
 Siebenaller, Willard (Fr.) Warren
 Sigal, Fred (Soph.) Youngstown
 Simchick, John (Fr.) Youngstown
 Simko, Virginia (Fr.) Youngstown
 Simon, Fannie (Soph.) Lowellville
 Simon, Milton (Fr.) Youngstown
 Simons, Jack (Fr.) Girard
 Skeggs, Leonard (Jr.) Youngstown
 Skerratt, Ralph (Soph.) Girard
 Single, Jack (Fr.) Youngstown
 Slaughaupt, Alexander (Fr.) Niles
 Slaughaupt, Hugh (Soph.) McDonald
 Slessman, Dale (Sr.) Youngstown
 Slifka, Virginia (Fr.) Youngstown
 Smalley, William (Fr.) Youngstown
 Smith, Alan (Fr.) Chevy Chase, Md.
 Smith, Bill (Fr.) Youngstown
 Smith, Cleon (Fr.) Warren
 Smith, Dorothy (Fr.) Sebring
 Smith, Henry (Fr.) Youngstown
 Smith, Howard (Soph.) Campbell
 Smith, John (Fr.) Youngstown
 Smith, Margaret (Fr.) Youngstown
 Smith, Mary Anne (Fr.) Newton Falls
 Smith, Paul D. (Fr.) Youngstown
 Smith, Paul J. (Fr.) Salem
 Smith, Wade (Fr.) Youngstown
 Smithson, Anthony (Jr.) Youngstown
 Smithson, Joseph (Sr.) Youngstown
 Smithson, Margaret (Sr.) Youngstown
 Smulovitz, Sam (Fr.) Youngstown
 Snively, Beatrice (Jr.) Youngstown
 Snyder, Margaret (Soph.) Youngstown
 Snyder, Yetta (Jr.) Youngstown
 Sofranko, John (Sr.) Youngstown
 Soltis, Paul (Fr.) Youngstown
 Somerville, Pauline (Fr.) Hubbard
 Sompia, Cecelia (Soph.) Girard
 Sondecker, Louis (Jr.) Youngstown
 Sontag, Edward (Soph.) Youngstown
 Sontag, Richard (Fr.) Youngstown
 Soos, Anna (Jr.) Youngstown
 Soppelsa, Anthony (Fr.) Youngstown
 Southwick, Dorothy (Fr.) Warren
 Spagnola, Raymond (Jr.) Campbell
 Spain, John (Fr.) Warren
 Stage, Margaret (Sr.) Youngstown
 Stahl, Alex (Fr.) Youngstown
 Stambaugh, Clayton (Fr.) Girard
 Stambaugh, William (Soph.) Girard
 Stambor, Leo (Fr.) Youngstown
 Stanfar, Nick (Soph.) Campbell
 Stanley, Betty (Fr.) Canfield
 Stanley, Esther (Jr.) Canfield
 Stanton, James (Fr.) Youngstown
 Starkweather, Mary (Jr.) Kenmore, N. Y.
 Starr, Donald (Fr.) Youngstown
 Steele, George (Soph.) E. Liverpool
 Stefko, John (Fr.) Campbell
 Stein, Isabel (Fr.) Youngstown
 Steinchak, Charles (Fr.) Brookfield
 Stier, Clifford (Fr.) Youngstown
 Sterling, Frank (Soph.) Youngstown
 Sterling, J. Robert (Fr.) Youngstown
 Stevens, Anthony (Fr.) Youngstown
 Stevenson, Leonard (Fr.) Hubbard
 Stewart, Cecil (Soph.) Washington, D. C.
 Stewart, Emory (Fr.) New Springfield
 Stewart, Frank (Sr.) Youngstown
 Stillerman, David (Fr.) Youngstown
 Stillerman, Lewis (Fr.) Youngstown
 Stillwagon, Oscar (Fr.) Amber, Pa.
 Stimson, Ann (Jr.) Warren
 Stine, Charles (Sr.) Youngstown
 Stinson, Margaret (Fr.) Cortland
 Stoll, Fred (Soph.) Youngstown
 Stone, Elaine (Fr.) Youngstown
 Stone, G. Jayne (Soph.) Youngstown
 Stone, Grant (Fr.) Youngstown
 Stone, John (Fr.) Youngstown
 Streeter, Robert (Sr.) McDonald
 Strausbaugh, Julianna (Jr.) Youngstown
 Strawn, Herman (Jr.) Salem
 Struharik, Sam (Fr.) Youngstown
 Stuart, Lillian (Soph.) Sharpsville, Pa.
 Sturgeon, George (Sr.) Youngstown
 Sulka, Casimira (Fr.) Youngstown
 Sullivan, Robert (Fr.) Youngstown
 Sullivan, Rosemary (Soph.) Youngstown
 Summers, Donald (Fr.) Youngstown
 Sumner, Clarence (Jr.) Youngstown
 Suszan, Michael (Fr.) Masury
 Suter, Alice (Soph.) Youngstown
 Sweesy, Earle Jr. (Fr.) New Castle, Pa.
 Sylak, Stanley (Sr.) McDonald
 Symons, Arthur (Soph.) Youngstown
 Szelest, Frank (Fr.) Mineral Ridge
 Talbot, Thomas (Soph.) Girard
 Tavolaro, James (Sr.) Youngstown
 Taylor, Ruth (Fr.) Sharpsville, Pa.
 Taylor, William (Fr.) Youngstown
 Tekushan, Nicholas (Soph.) Youngstown
 Thomas, Bill (Soph.) Youngstown
 Thomas, Edwin (Jr.) Struthers
 Thomas, Eleanor (Fr.) Youngstown
 Thomas, Ellis (Fr.) Youngstown
 Thomas, Evelyn (Jr.) Youngstown
 Thomas, Jean (Fr.) Youngstown
 Thomas, Lora (Soph.) Poland
 Thomas, Richard (Jr.) Youngstown
 Thomas, Robert (Soph.) Youngstown
 Thompson, David (Fr.) Youngstown
 Thompson, James (Fr.) Youngstown
 Thompson, Lawrence (Soph.) Youngstown
 Thompson, Paul (Fr.) Canfield
 Thorne, John (Soph.) Youngstown
 Thrasher, Andrea (Fr.) Daytona Beach, Fla.
 Thrasher, Elizabeth (Fr.) Youngstown
 Thrasher, William (Soph.) Youngstown
 Tikey, Joseph (Fr.) Sharon, Pa.
 Timmins, Ralph (Fr.) Girard
 Tod, Martin (Jr.) Youngstown
 Tomich, Helen (Fr.) Ellsworth
 Tominey, Patrick (Fr.) Niles
 Topley, Michael (Fr.) Mt. Pleasant, Pa.
 Tribby, Claribel (Fr.) Masury
 Trigg, Hastings (Jr.) Youngstown
 Trikilis, Xanthippi (Soph.) Youngstown
 Tsvetanoff, Boris (Soph.) Campbell
 Tucciarone, Judith (Soph.) Hubbard
 Tucke, Ralph (Fr.) Niles
 Turner, Dean (Fr.) Youngstown
 Tweedy, Jack (Fr.) Warren
 Uhlinger, Paul (Soph.) Warren
 Uhrain, Michael (Soph.) Youngstown
 Vahey, Robert (Fr.) Youngstown
 Valentini, William (Fr.) Youngstown
 Van Auker, Paul (Fr.) Youngstown
 Van Brocklin, Loren (Soph.) Youngstown
 Van Brocklin, Virginia (Jr.) Youngstown
 Van Court, Woodrow (Sr.) Mineral Ridge
 Vanusek, Mary (Fr.) Sharpsville, Pa.
 Van Volkenburg, Donald (Soph.) Youngstown
 Vasu, Leo (Fr.) Warren
 Vidoni, Charles (Fr.) Niles
 Vinski, Paul (Jr.) Youngstown
 Vitale, Anthony (Fr.) Struthers
 Vivo, Anthony (Jr.) Youngstown
 Volk, Joseph (Fr.) Youngstown

YOUNGSTOWN COLLEGE

- Volkish, Michael (Fr.) Youngstown
 Voisko, Mike (Fr.) Campbell
 Vucenich, Michael (Fr.) Warren
- Wadlinger, Vincent (Jr.) New Castle, Pa.
 Wagman, Jack (Fr.) Youngstown
 Wagner, Fred (Fr.) Youngstown
 Wagner, Woodrow (Soph.) Youngstown
 Wald, Paul (Soph.) Youngstown
 Waldman, Art (Fr.) Youngstown
 Waldman, Vivian (Fr.) Youngstown
 Waldorf, Ruth (Fr.) Brookfield
 Walker, Esther (Soph.) Petersburg
 Walker, Robert (Fr.) Youngstown
 Wallace, Leo (Fr.) Youngstown
 Walp, Erma (Jr.) Youngstown
 Walsh, Raymond Jr. (Soph.) Youngstown
 Walsh, William (Jr.) Youngstown
 Walters, Hazel (Fr.) Youngstown
 Walters, Robert (Soph.) Youngstown
 Walton, Bob (Soph.) Youngstown
 Wanick, Grayce (Fr.) Youngstown
 Ward, Thomas (Fr.) Youngstown
 Warden, Cyrus (Soph.) Girard
 Wary, Joe (Fr.) Youngstown
 Wasacz, Lottie (Fr.) Youngstown
 Watkins, Cameron (Soph.) Warren
 Watkins, Frances (Fr.) Mineral Ridge
 Watson, Wm. (Fr.) Youngstown
 Watts, Luke (Fr.) Girard
 Way, Robert (Soph.) Youngstown
 Weekley, Bertha (Jr.) Youngstown
 Weimer, Ralph (Fr.) Girard
 Weimer, Wilfred (Soph.) North Lima
 Weiss, Opal (Sr.) Youngstown
 Weiss, Violet (Fr.) Youngstown
 Weitz, Loyal (Fr.) Bessemer, Pa.
 Welker, John (Fr.) Youngstown
 Welker, Lois (Fr.) Conneautville, Pa.
 Wellendorf, Fred (Fr.) Youngstown
 Weller, Robert (Fr.) Youngstown
 Wells, William (Jr.) Youngstown
 Westfall, Henry (Soph.) Youngstown
 Wetherell, Homer (Fr.) Youngstown
 Whan, Katherine (Sr.) North Lima
 Wheeler, Harry (Fr.) Youngstown
 Whelan, Dorothy (Fr.) Youngstown
 Whetson, Lionel (Fr.) Youngstown
 Wick, Charles (Fr.) Hubbard
 Wick, Elbridge (Soph.) Youngstown
 Wick, George (Fr.) Youngstown
 Wick, Richard (Fr.) Youngstown
 Wilcher, Elizabeth (Soph.) Youngstown
 Wilcox, Ruth (Soph.) Canfield
 Wile, Betty (Fr.) Youngstown
 Wile, Wilford (Fr.) Youngstown
 Wilke, Fred (Fr.) Youngstown
 Wilkoff, William (Fr.) Youngstown
- Willard, Clarence (Fr.) Youngstown
 Williams, Alice (Fr.) Youngstown
 Williams, Ann (Fr.) Cleveland
 Williams, Earl (Soph.) Youngstown
 Williams, Eldon (Fr.) Youngstown
 Williams, Gomer (Jr.) Youngstown
 Williams, John (Soph.) Youngstown
 Williams, Mavis (Soph.) Youngstown
 Williams, Norma (Fr.) Youngstown
 Williams, William (Fr.) Lake Placid, N. Y.
 Williamson, James (Fr.) Youngstown
 Wills, David (Fr.) Youngstown
 Wilson, Arthur (Fr.) Struthers
 Wilson, John H. (Soph.) Youngstown
 Wilson, John O. (Fr.) Youngstown
 Wilson, Robert C. (Fr.) Youngstown
 Wilson, Robert N. (Fr.) Warren
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YOUNGSTOWN COLLEGE BULLETIN

Vol. VIII

April, 1939

Number 2

Published five times yearly: March, April, May, August, and December.
Entered as Second Class Mail at Youngstown, Ohio,
under the Act of August 24, 1912.



**Youngstown
.. College ..
1940-1941**