



# Youngstown College

## BULLETIN

Catalog Number for the Year  
1935-1936

Co-Educational



410 Wick Avenue  
YOUNGSTOWN, OHIO

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## COLLEGE CALENDAR

1935

- September 14 Final registration for Freshmen.  
September 17 Final registration for Upper Classmen.  
September 18 Class work begins. Penalty for late enrollment invoked on this date.  
November 27 Thanksgiving holiday begins, 10:00 P. M.  
December 2 Thanksgiving holiday ends, 8:00 A. M.  
December 20 Christmas vacation begins, 10:00 P. M.

1936

- January 6 Christmas vacation ends, 8:00 A. M.  
January 31 First semester ends, 10:00 P. M.  
February 3 Registration and enrollment.  
February 4 Class work and second semester begins, 8:00 A. M.  
April 6 Easter vacation begins, 8:00 A. M.  
April 13 Easter vacation ends, 8:00 A. M.  
May 5 May Morning Breakfast, 7:00 A.M.-11:00 A.M.  
May 22 May Day, 1:00 P. M.  
June 7 Baccalaureate Service.  
June 10 Alumni Day.  
June 12 Commencement.  
June 15 Summer Session begins.

## BOARD OF GOVERNORS

		Term Expires
James L. Wick, Jr.	Chairman President, Falcon Bronze Company	1935
W. E. Bliss	Vice-Chairman Vice-President, Standard Slag Company	1935
Herman M. Hurd	Recording Secretary Assistant Treasurer, Republic Steel Corporation	1935
J. C. Argetsinger	General Counsel and Secretary, Youngstown Sheet and Tube Company	1936
J. C. Barrett	Superintendent, Blast Furnaces, Ohio Works, Carnegie Steel Company	1935
R. M. Bell	Secretary and Treasurer, Gen- eral Fireproofing Company	1936
Dr. W. H. Bunn	Physician	1937
Joseph G. Butler III	Butler, Wick, and Company	1938
Sidney J. Collins	Clark and Collins, Certified Public Accountants	1936
N. B. Folsom	Trust Officer, Mahoning Na- tional Bank	1937
Philip Frieder	Vice-President and Manager, David J. Joseph Company	1937
Oscar F. Gayton	Mutual Life Insurance Com- pany of New York	1937
George H. Gessner	Judge, Common Pleas Court	1937
Hugh Grant	Chairman of Board, City Trust and Savings Company	1937
W. D. Griffith	Superintendent, McDonald Mills, Carnegie Steel Com- pany	1937
Dr. W. E. Hammaker	Pastor, Trinity Methodist Church	1936
Harry Levinson	Jeweler	1936
Donald Lynn	Attorney, Harrington, Huxley, and Smith	1936
W. C. McKain	McKain, Ohl, and Swanner	1935
J. Russell McKay	Assistant Secretary and Attor- ney, Home Savings and Loan Company	1936
William F. Maag, Jr.	General Manager, Vindicator Printing Company	1936

		Term Expires
Hugh Manchester	Manchester, Ford, Bennett, and Powers	1936
Thomas H. Murray	Secretary and Treasurer, Heller- Murray Company	1935
Jay Ogram	Assistant Cashier, Union Na- tional Bank	1937
Franklin B. Powers	Manchester, Ford, Bennett, and Powers	1935
C. Snelling Robinson	Vice-President, Youngstown Sheet and Tube Company	1935
John R. Rowland	President, Mahoning National Bank	1937
Philip Schaff	President, Morris Plan Bank	1935
Clarence J. Strouss	President, Strouss-Hirshberg Company	1935
Martin Tod	Civil Engineer	1936
Herbert S. Warwick	Industrial Manager, Youngs- town Sheet and Tube Com- pany	1937
Verne J. Wilson	President, Union National Bank	1937
R. J. Wysor	Vice-President, Republic Steel Corporation	1935

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.

#### LAW SCHOOL COMMITTEE

C. Snelling Robinson	Chairman Vice-President, Youngstown Sheet and Tube Company
J. C. Argetsinger	General Counsel and Secretary, Youngs- town Sheet and Tube Company
William F. Maag, Jr.	General Manager, Vindicator Printing Company
Philip Frieder	Vice-President and Manager, David J. Joseph Company
Sidney J. Collins	Clark and Collins, Certified Public Accountants
James L. Wick, Jr.	President, Falcon Bronze Company

## EXECUTIVE COMMITTEE

		Term Expires
James L. Wick, Jr.	Chairman President, Falcon Bronze Company	1935
J. C. Argetsinger	General Counsel and Secretary, Youngstown Sheet and Tube Company	1936
Dr. W. H. Bunn	Physician	1937
Sidney J. Collins	Clark and Collins, Certified Public Accountants	1936
George H. Gessner	Judge, Common Pleas Court	1937
William F. Maag, Jr.	General Manager, Vindicator Printing Company	1936
Franklin B. Powers	Manchester, Ford, Bennett, and Powers	1935
C. Snelling Robinson	Vice-President, Youngstown Sheet and Tube Company	1935
Clarence J. Strauss	President, Strauss-Hirshberg Company	1935
R. J. Wysor	Vice-President, Republic Steel Corporation	1935

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.

## BOARD OF TRUSTEES

(The Young Men's Christian Association)

Term  
Expires

J. Eugene Bennett	President	1935
Manchester, Ford, Bennett, and Powers		
Russell McKay	First Vice-President	1935
Assistant Secretary and Attorney, Home Savings and Loan Company		
Walter Stitt	Second Vice-President	1936
Old Furnace Road		
Sidney J. Collins	Third Vice-President	1936
Clark and Collins, Certified Public Accountants		
Philip H. Schaff	Treasurer	1935
President, Morris Plan Bank		
J. Howard Parker	Assistant Treasurer	1936
Vice-President, Union National Bank		
Claud J. Johnson	Secretary	1936
District Manager, Northwestern Life Insurance Company		
J. C. Argetsinger	General Counsel	1937
General Counsel and Secretary, Youngstown Sheet and Tube Company		
Paul B. Davies	General Secretary	
Myron Arms, II	President, Aetna Standard En- gineering Company	1935
J. C. Barrett	Superintendent, Blast Furnaces, Ohio Works, Carnegie Steel Company	1936
R. M. Bell	Secretary and Treasurer, Gen- eral Fireproofing Company	1937
W. E. Bliss	Vice-President, Standard Slag Company	1937
J. Fearnley Bonnell	Treasurer, Liebman-Bonnell- Wood Company	1937

George C. Brainard	President, General Fireproofing Company	1935
Dr. W. H. Bunn	Physician	1937
W. C. Conger	Vice-President and Sales Manager, Truscon Steel Company	1937
C. N. Crandall	(Retired)	1936
B. F. Fairless	First Vice-President, Republic Steel Corporation	1935
Walter S. Goode	Secretary and Treasurer, John H. Fitch Company	1935
W. D. Griffith	Superintendent, McDonald Mills, Carnegie Steel Company	1935
W. J. Gutknecht	Manager, Youngstown Arc Engraving Company	1937
F. E. Hearn	President and Manager, Hearn Paper Company	1936
Herman M. Hurd	Assistant Treasurer, Republic Steel Corporation	1936
Fred Loomis	Sales Manager, Republic Steel Corporation	1937
Louis N. McDonald	General Superintendent, Youngstown District, Carnegie Steel Company	1937
Hugh Manchester	Manchester, Ford, Bennett, and Powers	1935
Olan B. Masters	Butler, Wick, and Company	1936
Roy Welch	Assistant Secretary and Treasurer, Youngstown Sheet and Tube Company	1935
James L. Wick, Jr.	President, Falcon Bronze Company	1937
Philip Wick	Butler, Wick, and Company	1936

## OFFICERS OF ADMINISTRATION

Howard W. Jones, A. M.	President
George M. Wilcox, Ph. D.	Dean of Men
Eleanor B. North, 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, A. B.	Registrar
Raymond A. Witchey, A. M.	Business Manager
Freda R. Flint, A. B.	Publicity Director
Constance Robinson, A. B.	Librarian
Wanda Sporer, A. B.	Secretary to the President
Mrs. Helen Lyon	Cashier



*Faculty*

## COLLEGE OF LIBERAL ARTS

- Howard W. Jones, A. M.-----President  
 A. B., Hiram College  
 A. M., Western Reserve University
- John W. Bare, A. M.-----Psychology  
 A. B., Ohio Wesleyan University  
 A. M., Ohio Wesleyan University
- Levi G. Batman, A. B.\*-----Biblical Literature  
 A. B., Indiana University
- Karl H. Benkner, M. E.\*-----German  
 M. E., Military Technical Academy  
 (Charlottenburg, Germany)
- R. Douglas Bowden, A. M.-----Social Science  
 A. B., University of Kentucky  
 A. M., University of Illinois
- George A. Bretz, B. Mus.-----Piano  
 Bachelor of Music, Dana Musical Institute; Artist  
 pupil of Beryl Rubenstein, Cleveland Institute of Music
- Russell G. Bunn, A. B.-----Speech  
 A. B., Hiram College  
 School of Expression, Boston
- Harold N. Burt, B. D.-----Philosophy  
 B. S., University of Pennsylvania  
 B. D., Union Theological Seminary
- Clarence M. Carhart, B. S.\*-----Mechanical Drawing  
 B. S., Ohio Northern University
- Cecil Chambers, A. B.\*-----Bacteriology  
 A. B., Ohio State University
- Denton T. Doll, B. S.-----Mathematics  
 B. S., Case School of Applied Science

- Margaret Evans, B. S. \_\_\_\_\_ Art  
 B. S., University of Chicago  
 Pupil of Arthur Dow, of Columbia, and Walter Sargent, of Chicago
- Castle W. Foard, Ph. D. \_\_\_\_\_ Mathematics and Physics  
 A. B., University of Wichita  
 M. S., University of Kentucky  
 Ph. D., University of Iowa
- Ceylon Hollingsworth\* \_\_\_\_\_ Fine Arts  
 Pupil of William M. Chase, New York City
- John R. McPhee, A. B. \_\_\_\_\_ Physical Education for Men  
 A. B., Youngstown College
- Alvin Myerovich \_\_\_\_\_ Violin  
 Pupil of Sascha Jakovinoff and Albert Meioff, Curtis Institute of Music, Philadelphia; Andre de Rebeaupierre, Louis Persinger, and Joseph Fuchs, Cleveland Institute of Music; Graduate of Cleveland Institute of Music
- Eleanor B. North, A. M. \_\_\_\_\_ English  
 A. B., Pennsylvania State College  
 A. M., Pennsylvania State College
- 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)
- Eugene Dodd Scudder, Ph. D. \_\_\_\_\_ Chemistry  
 A. B., Indiana University  
 A. M., Indiana University  
 Ph. D., Indiana 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
- Eloise E. Spencer, B. S.\* \_\_\_\_\_ Physical Education  
 B. S., University of Nebraska
- Henry V. Stearns, D. Ped. \_\_\_\_\_ Music  
 B. Mus., American Conservatory of Music  
 F. A. G. O.  
 D. Ped., Cincinnati Conservatory of Music
- H. C. Welch, B. S.\* \_\_\_\_\_ Mathematics  
 B. S., Syracuse University
- George M. Wilcox, Ph. D. \_\_\_\_\_ Education  
 A. B., Cornell College  
 A. M., State University of Iowa  
 Ph. D., Columbia University
- Raymond A. Witchey, A. M. \_\_\_\_\_ Accounting  
 A. B., Bucknell University  
 A. M., Ohio State University
- 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.

## EVENING COLLEGE OF BUSINESS ADMINISTRATION

- Charles F. Axtmann, M. S. Business Administration  
 B. S. Syracuse University  
 M. S., Syracuse University
- Paul H. Bolton Advertising
- Elmer E. Burgeson, B. C. S. Accounting  
 B. C. S., Youngstown College  
 Certified Public Accountant
- Arthur L. Carter, LL. B. Business Law  
 A. B., Muskingum College  
 LL. B., Youngstown College
- David Endres, A. B. Accounting  
 A. B., University of Michigan  
 Certified Public Accountant
- Roy R. Fellers, A. B. Public Speaking  
 A. B., University of Michigan  
 LL. B., Youngstown College
- Elmer Hykes, B. S. Accounting  
 B. S., Bliss College
- S. E. Trinkle Commercial Art
- John Wampler, B. C. S. Accounting  
 B. C. S., Youngstown College

## EVENING COLLEGE 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 W. Ford, A. B., 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
- 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

*Athletic Board*—Mr. Foard, chairman; Mr. McPhee, Mr. Doll.

*Catalog*—Miss Flint, chairman; Mr. Bowden, Mr. Bare, Mr. Reid.

*Chapel and Religious Activities*—Mr. Stearns, chairman; Miss North, Mr. Bare.

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

*Credits and Admission*—Mr. Buchanan, chairman; Mr. Wilcox, Mr. Witchey.

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

*Discipline*—Miss North, Mr. Wilcox.

*Faculty-Student Relations*—Mr. Scudder, Mr. Bowden.

*Library*—Mr. Bowden, chairman; Mr. Richardson, Mr. Witchey.

*Social Activities*—Mr. Doll, chairman; Mr. Burt, Mr. Bunn.

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

## OBJECTIVES OF YOUNGSTOWN COLLEGE

The College is responding to the demand of the community to meet the needs of a definite constituency not otherwise provided for.

1. The function of Youngstown College is to provide the best possible education for students living in or near Youngstown.

a. In accomplishing this it aims to make an education economically possible for many students who could not afford the greater expense of attending school away from home, and to lessen the difficulties of many students who leave the supervision of home and high school and find themselves unprepared for the freedom of college life.

b. There is an increasing need in modern society for adult education. To assist employed students, Youngstown College provides late afternoon and evening classes in cultural and vocational subjects, including business, teacher training, and law.

2. The task of education requires a threefold emphasis: on the individual's personal life and character development, on his social relationship, and on his intellectual and professional pursuits. To achieve these ends the college seeks to promote:

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

b. Through the personnel services of the College, the more complete self-realization of the individual, first by promoting his growth along lines common to all educated men, and, secondly, by developing his special interests and abilities.

c. A sound, continuously unfolding, personal philosophy of life, based upon a comprehension of the things which are of permanent importance, and involving:

1. An appreciation of the values present in modern life, moral, religious, and aesthetic as well as intellectual, which will make life rich and satisfying regardless of material wealth.

2. An intelligent understanding of one's self in relation to others, leading to standards of rational conduct and self-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.

d. A broad, liberal, and cultural education, to the end that the student may be prepared for life and leadership in our complex and constantly changing democracy. Such education involves:

1. Habits of free inquiry, exact observation, and disinterested love of truth.

2. A taste for good reading; familiarity with the general content and ideals of the several fields of knowledge; and mastery of the field to which the student has, in particular, applied himself.

3. Ability to express one's self clearly and forcefully.

e. A practical acquaintance with professional and pre-professional techniques and a training in them.

In emphasizing the health, character, religious life, and intellectual attainments of its students, the general objectives of Youngstown College are identical with the basic purposes of The Young Men's Christian Association with which the College is affiliated. The approach and emphasis of the College, however, is somewhat different from that of the Association, in that it endeavors to accomplish its ends not only by personal influence and environment, but also by systematic and thorough instruction in the chief fields of human knowledge.

### HISTORICAL SKETCH

Forty-seven years ago the foundation was laid for Youngstown College when the Board of Trustees of The Youngstown Young Men's Christian Association founded The Youngstown Association School.

At that time only a number of unrelated courses were offered, all classes were conducted in the evening, and the student body was composed entirely of employed men and boys.

The Law School is the oldest of the college departments, dating back to 1908. The first law class was composed of nine men. The school grew and developed and finally offered complete preparation for the practice of law and for the bar examination. In 1920, the State of Ohio gave the Law School the right to grant the Bachelor of Laws degree.

The Business Administration School is the next oldest of the college departments, the four-year course in Business Administration having been offered for the first time in 1920.

In 1921, the name of The Youngstown Association School was changed to The Youngstown Institute of Technology.

It was at this time, the Fall of 1921, that the first liberal arts classes were offered. Three professors from nearby colleges came to Youngstown two evenings a week to teach college subjects. This new program of college work met with an enthusiastic response from teachers, and business men and women who desired to further their education during their leisure hours. Six years of steady growth convinced those responsible for the work that there was a real need in Youngstown for a day college of liberal arts. Consequently, in 1927 a Day College of Liberal Arts was established with an enrollment of about seventy-five students, and The Youngstown Institute of Technology became Youngstown College.

This year marks the beginning of the period of most rapid development and growth in the history of the school. Up to this time, the program had been almost identical with hundreds of other Y. M. C. A. schools throughout the country, operated principally in the interest of adult education and catering particularly to employed men and women. With the beginning of the day work, the college began to attract another class of students, the young men and women just out of high school who previous to this time had left the city and gone to out-of-town colleges.

In June, 1930, the State Department of Education authorized Youngstown College to grant the Bachelor of Arts degree and the first group of graduates received the degree at that time.

The school was originally located on the third floor of the Central Y. M. C. A. Building. From there it was moved to the Bonnell Mansion, 315 Wick Avenue, and later to the John C. Wick Mansion at 410 Wick Avenue.

The rapid expansion of the program and increased student body now demanded more space and better class room facilities, and on October 1, 1931, the beautiful new college building, which the school now occupies, was dedicated.

Another important development came in the Fall of 1933 when Youngstown College was fully accredited by the State Department of Education for the training of high school teachers. This made it possible for the many prospective teachers



who had previously gone out of the city to secure their teacher-training, to secure complete preparation for this profession at Youngstown College.

Youngstown College is controlled by a Board of Governors, appointed by the Board of Trustees of The Young Men's Christian Association. These men represent the leading industries and professions of the Valley. It is the purpose of officials of the school to strengthen the program each year, and the next few years will bring more and greater developments than ever before.

Youngstown College now embraces the School of Liberal Arts, the School of Law, and the School of Business Administration.

Its students and graduates enjoy full recognition by the leading institutions of the country. The student body now numbers seven hundred and eighty-four.

### LOCATION AND BUILDINGS

For the first four years of its existence, the college was located on the Henry Wick property at 416 Wick Avenue. In November of 1931 the college was moved into its new building at 410 Wick Avenue, a building which is beautiful in design, modern, up to date, and ample for the college needs.

The location of the college is admirable in that it is in an area of the city which has been termed "a cultural oasis." To the north is the Butler Art Gallery; across the street are the St. John's Episcopal Church, the city Public Library, and the First Reformed Church. It is also within three blocks of the Y. W. C. A. and the Y. M. C. A.

### 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 Little 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.

The recent affiliation of Youngstown College and The Butler Art Institute places at the disposal of the college students

a splendid art laboratory where they may study and become acquainted with the fine art collections at the Institute. The Butler Art Institute exchanges pictures with some of the great art galleries in the country, affording unusual advantages to art students.

## REGISTRATION

The office of the Registrar is located on the main floor, and is open from 8:30 A. M. until 9:30 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 penalty of \$1.00 will be charged of all students who register late.

## 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 an official transcript of the high school credits.

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

As a broad and adequate foundation for the course in Liberal Arts, the following distribution of units in the high school is required:

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 co-operation with Youngstown College, must meet these requirements.

## 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.

## 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 by the end of the freshman 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.

## THE COLLEGE YEAR

The college year is divided into two semesters of eighteen weeks each. School is in session five days a week. Although a major part of the work comes in the morning, arrangements are always made for afternoon and evening students. 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. By attending the summer session, it is possible to shorten the course.

## SEMESTER HOUR DEFINED

A semester hour of work consists of a unit carried eighteen weeks. A lecture unit means one exercise a week throughout a semester, each exercise to represent one hour of lecture or recitation and two hours of preparation or outside reading. A laboratory unit implies three hours of work of which not less than two hours are devoted to actual laboratory work under the direction of an instructor.

### THE LOAD

Fifteen hours is the normal load. 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. Advanced students, depending upon their past record, may petition the faculty for permission to carry additional hours not to exceed a total of eighteen.

### DEGREES

In June, 1930, the State Department of Education of Ohio authorized Youngstown College to grant the Bachelor of Arts Degree.

### SCHOLARSHIPS

Twelve scholarships of approximately \$100 each are given to upperclassmen each year. Awards are based principally on scholarship, although general ability and need are taken into consideration.

The same number of scholarships aggregating \$1200 are awarded to freshmen yearly. Awards are made on the same basis as for upperclassmen.

A scholarship equivalent to the amount of one year's tuition in instrumental or vocal courses is offered by each faculty member of The School of Music. The winner of the scholarship is determined by competition before a faculty committee at the beginning of the school year.

### FEES AND EXPENSES

All fees and tuition are due the first week of the semester. Registration is not complete and admission to classes will not be approved until all tuition has been paid, or payments have been arranged and agreed upon with the Business Manager.

Matriculation Fee (Payable only once)	\$5.00
Tuition (12-15 semester hours)	75.00
Each Additional Semester Hour	
(Academic)	5.00
Laboratory Fee (Chemistry, Biology or	
Physics) First credit hour, \$3.00,	
each additional hour	2.00
Breakage Deposit (Chemistry or Physics)	3.00
Student Activity Fee	5.00

Student Activity fee for students carrying six to eleven hours, both inclusive .....	2.50
Gymnasium Fee .....	5.00
Diploma Fee .....	5.00
Library Fee .....	2.00
(For special fees on Art, Music, Home Economics, and Engineering Drawing see Description of Courses)	

### TUITION RATES FOR STUDENTS CARRYING LESS THAN 12 SEMESTER HOURS OF WORK

3 semester hours .....	\$25.00
4 semester hours .....	32.50
5 semester hours .....	40.00
Each additional semester hour .....	5.00

Students who do not make settlement in full within ten days will be required to pay \$5.00 extra as a carrying charge.

### ESTIMATED SEMESTER EXPENSES

Tuition .....	\$75.00
Student Activity .....	5.00
Gymnasium .....	5.00
Laboratory .....	5.00
Library .....	2.00
Books and Supplies .....	15.00

Total, \$107.00

Students who desire to pay their tuition in installments shall make the first payment within ten days after the opening of the semester. The attendance cards for those students not complying with the above requirement will be withdrawn.

Students who do not make settlement in full within ten days will be required to pay a carrying charge. When the total tuition charge is not more than \$35.00, the carrying charge is 10% of the total. A flat rate of \$5.00 is charged when the tuition is more than \$35.00.

One transcript of credits to another college is granted. A fee of \$1.00 is charged for each additional transcript.

The Matriculation fee covers the cost of registration, and should accompany application.

The breakage deposit in chemistry and physics is returnable wholly or in part at the end of the year.

The Student Activity fee admits one to all athletic contests, social events sponsored by the Student Council, and includes subscriptions to the *Jambar*.

## REQUIREMENTS FOR AN A. B. DEGREE

### Group Requirements

#### *Group I*

English (Including English Composition) . . .	8 hours
One Foreign Language . . . . .	6 hours

#### *Group II*

Laboratory Science . . . . .	8 hours
Science (Laboratory or Non-Laboratory), Mathematics . . . . .	3 hours

#### *Group III*

Social Science . . . . .	9 hours
Psychology, Philosophy, Bible . . . . .	3 hours

#### *Group IV*

Physical Education (Including Hygiene) . . .	4 hours
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## MAJOR AND MINOR REQUIREMENTS

Each student is required to have a major and at least one minor. 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.

The minimum credit hour requirements for majors in the various departments are as follows:

Biology . . . . .	30 semester hours
Business Administration . . . . .	30 semester hours
Chemistry . . . . .	30 semester hours
Education . . . . .	27 semester hours

English . . . . .	25	semester	hours
French . . . . .	24	semester	hours
Mathematics . . . . .	27	semester	hours
Music . . . . .	30	semester	hours
Physics . . . . .	27	semester	hours
A Social Science . . . . .	30	semester	hours

A minor consists of fifteen hours work in a field related to the major work.

### Total Hour Requirements; Distribution by Years

Electives sufficient, together with the required subjects, to make a total of 124 semester hours must be taken for graduation.

Not less than 30 semester hours must be taken in Youngstown College.

At least 60 semester hours must be taken in courses numbered 200 and above.

At least 40 semester hours must be taken in courses numbered 300 and above.

Any Senior who takes a course which has a number below 200, will have his credit for that course reduced by one-third.

## 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 124 points for graduation, or an average grade of C+.

### 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 without a thorough grasp of the subject.

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

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

"F" indicates failure.

### Miscellaneous Requirements

Application for the degree must be filed with the Registrar and the diploma fee must be paid, at least 60 days prior to Commencement.

Students excused from requirements of two years Physical Education must substitute an equivalent amount of academic work.

Students transferring from other colleges must meet all requirements for the degree in Youngstown College.

Chapel attendance is expected of all students and is looked upon as a regular part of the college life.

Any student who drops a class but wishes to avoid a failing grade must notify his instructor of that change. Class work dropped after six weeks is marked failing in grade, unless the change is so requested by the instructor.

### COLLEGE ACTIVITIES

The college aims to foster student participation in various extra-curricular activities, such as, athletics, debating, and music functions. However, since the scholastic standing of the student must always take precedence over the extra-curricular 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

The 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 regard-



ing 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 faculty.

### Youngstown College Players

The Youngstown College Players, 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 through each 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.

A Men's Glee Club and a Women's Glee Club are open to all students of the college and give excellent training for this type of work.

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

The College Chorus was organized to give to any who may desire it the experience and pleasure of choral singing. Standard works are studied, and from time to time the Chorus appears in public concerts.

### 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 extra-curricular 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 be presented a pearl-studded pin with the letters "Y. C." as official emblem of the college.

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

The points are outlined as follows:

*Scholastic*

- 1 point, for every semester hour of "A" grade  
 1/2 " for every semester hour of "B" grade

*Extra-Curricular*

- 10 points, Student Council President  
 8 " Student Council Officers  
 8 " Jambar Editor  
 8 " Annual Editor  
 8 " Basketball Captain  
 7 " Student Council Members  
 7 " Senior Basketball Manager  
 7 " Basketball Major Awards  
 5 " Athletic Board Chairman  
 5 " Intramural Board, Chairman  
 5 " Senior Class President  
 5 " Junior Class President  
 5 " May Queen  
 5 " Junior Basketball Manager  
 5 " Jambar Business Manager  
 5 " Debating Club President  
 5 " Jambar Staff  
 5 " Annual Staff  
 5 " Annual Business Manager  
 5 " May Day Chairman  
 3 " Athletic Board Members  
 3 " Intramural Board Members  
 3 " Cheer Leaders  
 3 " Athletic Minor Awards  
 3 " Debating Team  
 3 " Major Parts in Plays  
 1 point, Glee Club President  
 1 " Class Officers  
 1 " Dramatic Club President  
 1 " Glee Club Members  
 1 " Chapel Choir Members  
 1 " Minor Parts in Plays  
 1 " Stage Managers and Electricians  
 1 " Chairman for May Day  
 Sub-Committees

The above Honor Point rating system, by its very nature, applies to the regular full-time students. Part-time and irregular students whose work is completed in late afternoon and evening classes, naturally do not have opportunities to engage in extra-curricular activities on the same basis as the full-time day students. In order to recognize the merit of their work, a slight change is necessary in according honors. Instead of placing the honors on the yearly basis, such students as deserve recognition based on scholastic as well as upon the other activities, will be recognized appropriately at the end of their senior year.

## COLLEGE ORGANIZATIONS

### Clubs

Athletic Board	Men's Intramural Board
Chapel Choir	Open Road Club
College Chorus	Radio Club
Cosmopolitan Club	Social Science Club
Debate Club	Student Council
Women's Glee Club	Women's Intramural Board
Men's Glee Club	Youngstown College Players

### Professional and Honorary Fraternities

Alpha Sigma Pi	Law (National)
Phi Epsilon	Science
Beta Chapter of Phi Epsilon	Science
Sigma Tau Delta	English (National)

### Social Fraternities

Alpha Pi Sigma (National)	Phi Sigma Epsilon
Gamma Sigma	Sigma Delta Beta
Phi Gamma	Sigma Kappa Phi
Phi Lambda Delta	

# Liberal Arts

## DESCRIPTION OF COURSES

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. 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.

Courses marked (offered 1936-37) are offered on alternate years:

### FRESHMAN 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.*

### ART

101, 102. FREE HAND DRAWING—Two three-hour laboratory periods each week. An elementary course in the principles and practice of expression by free hand drawing. Emphasis upon proportion, perspective, and values in monochrome. Special fee, \$5.00 per semester.

*Three hours credit each semester.*

111. DESIGN—One lecture and two two-hour laboratory periods, each week. This course includes the study of principles of design, history of ornament, drawing, creative work in design, and application of designs to material. Special fee, \$5.00 per semester.

*Three hours credit.*

112. HOUSEHOLD ARTS—The history of furniture and furnishings, and the principles of line, form, tone, and color, are included in this course.

*Three hours credit.*

113. HISTORY OF ART—An introductory outline of the history of architecture, sculpture, painting, and minor arts.

*Three hours credit.*

114. COLOR—One lecture and two two-hour laboratory periods each week. The study of color sensations, values and intensities, complements, triads, color in nature and art, and the relation of color in design. Special fee, \$5.00 per semester.

*Three hours credit.*

201, 202. ADVANCED FREE HAND DRAWING—Two three-hour laboratory periods each week. Drawing from still life and the antique as a means of expression, emphasizing the various possibilities and limitations of the black and white mediums, with problems in composition. Prerequisites, Art 101 and 102. Special fee, \$5.00 per semester.

*Three hours credit each semester.*

203. WATER COLOR PAINTING—Two three-hour periods each week. Painting from still life, models, and landscape. Lectures, laboratory work and criticisms. Special fee, \$5.00 per semester.

*Three hours credit.*

204. ADVANCED WATER COLOR PAINTING—Two three-hour periods each week. Painting from still life, models and landscapes. Lectures, laboratory work, and criticisms. Prerequisite, Art 203. Special fee, \$5.00 per semester.

*Three hours credit.*

205. LANDSCAPE AND OPEN-AIR EFFECTS—Outdoor class working from nature, each student using the medium desired, the black and whites, pastel, oils or watercolors. Advanced students may paint from living models posed in the open air.

*Three hours credit.*

301, 302. DRAWING AND COLOR WORK FROM LIFE—Two three-hour periods each week. Drawing from the living models with lectures and problems in surface anatomy and figure composition. Prerequisites, Art 201 and 202. Special fee, \$5.00 per semester.

*Three hours credit each semester.*

303, 304. OIL PAINTING—Two three-hour periods each week. Painting from living costume models. Prerequisites, Art 301 and 302. Special fee, \$5.00 per semester.

*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. (Offered 1936-37.)

*Three hours credit.*

#### BIBLE AND RELIGIOUS EDUCATION

101. THE LIFE OF CHRIST—Two hours of lecture and recitation each week. This course is based on the four gospels, with particular attention to one of them. The student is encouraged to think and to 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. (Offered 1936-37.)

*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.

*Two hours credit.*

#### BIOLOGY

A major in Biology shall include Biology 101, 102, 103, 104, and 401. Geology 202 will be counted as a substitute for biological subjects. Majors in Biology are advised to take as much supplementary work in Chemistry and Physics as possible to aid in fullest application of their biological knowledge.

101, 102. GENERAL ZOOLOGY—Two lectures and two two-hour laboratory periods each week. An introductory course including text assignments, lecture, and laboratory work. Systematic study of characteristic types with emphasis on ecology and life history.

*Four hours credit each semester.*

103, 104. GENERAL BOTANY—Two lectures and two two-hour laboratory periods each week. Detailed study of plant structures and their functions. Local flora and economic importance of Botany stressed. Life histories emphasized.

*Four hours credit each semester.*

201-202. ANATOMY AND PHYSIOLOGY OF VERTEBRATES—One lecture and six hours laboratory work. Detailed comparative anatomical and physiological studies of the vertebrates. Prerequisites, Biology 101, 102. (If all material is purchased, laboratory fee is \$10.00.)

*Four hours credit each semester.*

203. MICROTECHNIQUE—The preparation of biological material, zoological and botanical, for classroom and research purposes. Laboratory periods only. Prerequisites, Biology 101, 102 or 103, 104. \$5.00 laboratory fee. (Offered 1936-37.)

*Four hours credit.*

204. EMBRYOLOGY—Two lectures, four hours laboratory. The individual development of the frog, chick, and pig to show stages in detail of adult structures. Recommended by all medical colleges, required by most. Prerequisites, Biology 101, 102. (Offered 1936-37.)

*Four hours credit.*

205. HUMAN ANATOMY AND PHYSIOLOGY—This course is a biological approach to human anatomy and physiology. The groundwork of the course is developmental vertebrate anatomy which is followed by the study of structure and function of the various parts of the human body. Outside reference reading and demonstrations will be a part of the course. Prerequisites, Biology 101, 102.

*Four hours credit.*

208. BACTERIOLOGY OF HEALTH HYGIENE—Two hours lecture and six hours laboratory work. A study of the principles of bacteriology and immunity as applied in practical work. Prerequisites, Biology 101, 102 or 103, 104, and Chemistry 109, 110.

*Four hours credit.*

305. GENERAL ECOLOGY—One one-hour lecture and five hours laboratory work. The field study of ecological groups in Youngstown and vicinity. Study of specimens of typical habitat groups. (Offered 1936-37.)

*Three hours credit.*

401. GENETICS AND EVOLUTION—The study of inheritance, its evolutionary significance, and demonstrations of mechanisms of inheritance. Required of all majors in Biology. (Offered 1936-37.)

*Three hours credit.*

402. PRO-SEMINAR—Students majoring in Biology may pursue some line of biological work not included in the preceding courses. Open to students only by permission of the head of the department.

*Credits variable.*

## BUSINESS ADMINISTRATION

## Accounting

201, 202. THEORY AND PRACTICE OF ACCOUNTING—This course consists of the theory of account construction together with the development of books of original entry, the application of accounting principles to the different forms of business organizations, and the preparation and interpretation of financial statements.

*Three hours credit each semester.*

300. COST ACCOUNTING—General methods of collecting costs of material, labor, and burden, and incorporation of them in the books of account. Cost control, including the use of the perpetual inventory and various subsidiary ledgers. Various methods of distributing burden costs. Presentation of cost data, and problems of cost accounting in multiple process industries. Prerequisites, Accounting 201, 202.

*Three hours credit.*

301. INTERMEDIATE ACCOUNTING—A study of working papers, financial statements, actuarial science, inventories, consignment sales. Prerequisites, Accounting 201, 202.

*Three hours credit.*

302. INTERMEDIATE ACCOUNTING—A study of tangible and intangible fixed assets, funds and reserves, and the analyses of working capital. Prerequisites, Accounting 201, 202, 301.

*Three hours credit.*

301a. INTERMEDIATE ACCOUNTING—Same as Accounting 301 and 302, except that the work is covered in a semester. Prerequisites, Accounting 201, 202, 300.

*Three hours credit.*

303, 304. ADVANCED THEORY AND PRACTICE OF ACCOUNTING—A study of corporation accounting procedure and problems, treatment of capital stock and bond issues, depreciation, forms of income statements. Prerequisites, Accounting 300, 301, 302.

*Three hours credit each semester.*

305. SPECIALIZED ACCOUNTING—A course in specialized accounting for representative industries such as department stores, foundries, flour mills, banks, fire insurance companies and others. Prerequisites, Accounting 300, 301, 302.

*One and one-half hours credit.*

307. INTERPRETATION OF FINANCIAL STATEMENTS—An analysis of the fundamental principles involved in the proper construction and interpretation of financial statements such as manufacturing, selling, public utility, insurance and other types of companies. Prerequisites, Accounting 300, 301, 302.

*One and one-half hours credit.*

401, 402. AUDITING—An intensive course in auditing practice and procedure for advanced students in accounting. Prerequisites, Accounting 300, 301, 302.

*Three hours credit each semester.*

403, 404. FEDERAL TAXES—This course gives special attention to income tax procedure, including such items as personal tax accounting, taxable and non-taxable incomes, deductions and losses, computation of taxes and typical problems. Prerequisites, Accounting 300, 301, 302.

*Three hours credit each semester.*

405, 406. C. P. A. QUIZ—It is assumed that the candidates for this course will be familiar with accounting procedure applicable to single proprietorships, partnerships, and corporations. All phases of accounting that will be encountered in either private business or public accounting will be treated from the standpoint of both theory and practice. Special emphasis will be treated from the standpoint of both theory and procedure. Special



emphasis will be placed on coaching candidates for the C. P. A. examinations. The problem method will be followed in the main, supplemented by class discussions, lectures, and quizzes. Prerequisites, Accounting 300, 301, 302.

*Three hours credit each semester.*

### 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, relationships between employer and employee, credit, banking, and elementary accounting.

*Three hours credit.*

201. BUSINESS LAW—This course is designed to give the student of business a practical working knowledge of contracts, agency, partnerships and corporations. 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. The fundamentals of the law governing business transactions of persons through agents, as well as the formation and operation of partnerships and corporations.

*Three hours credit.*

303. BUSINESS LAW—A study of negotiable instruments, including bailments and carriers, sales, negotiable papers, banks, and suretyship. A study of property, covering estates, wills, bankruptcy, debtor and creditor.

*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. (Offered 1936-37.)

*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. Prerequisites, Economics 307. (Offered 1936-37.)

*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 201.

*Three hours credit.*

325. SALESMANSHIP—This course covers 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.

*Two 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.*



## CHEMISTRY

The courses offered in Chemistry will enable the student to major in the subject and also take additional courses in the field of chemistry in which he is especially interested. Students wishing to take up medicine, nursing, and home economics will find most of their required chemistry courses in the list. Chemistry majors are required to take the following courses: 109 or 111, 110 or 112, 203, 209, 304, 306, 311, and 312.

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.

*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.

*Four hours credit each semester.*

113-114. EVERYDAY CHEMISTRY—Two lectures and recitations, and two two-hour laboratory periods each week. This course is intended for students who do not expect to major in chemistry but seek the cultural value of chemistry. Emphasis is placed upon the chemistry of the things with which we have daily contact, as chemistry in the home, the parks and fields, and everyday business and industrial life. The mathematical phases are not involved. Not accepted for credit toward a major in Chemistry and not recommended for pre-medical students, pre-engineering students, majors in Biology, Geology, Mathematics, and Physics.

*Four hours credit each semester.*

203. QUANTITATIVE ANALYSIS—One lecture and recitation and twelve hours laboratory each week. Gravimetric, volumetric, and colorimetric analysis. Prerequisite, Chemistry 209.

*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 home economics students and others who do not care for the full five-hour course. Prerequisite, Chemistry 109-110 or 111-112.

*Three hours credit.*

209. QUALITATIVE ANALYSIS—Two lectures and eight hours of laboratory 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.

*Five hours credit.*

213. LABORATORY TECHNIQUE—A laboratory course including discussions. The course is offered for the purpose of developing greater skill in constructing and setting up apparatus which is so often needed by research students and teachers of chemistry. Prerequisite, Chemistry 109-110 or 111-112.

*One to three hours credit.*

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

*Five hours credit.*

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

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

311-312. PHYSICAL CHEMISTRY—Three lectures and recitations each week. A fundamental course in physical chemistry. Prerequisites or concurrent, Chemistry 304, Physics 201-202, Mathematics 209-210. *Three hours credit each semester.*

313. METALLURGY—Two lectures and recitations each week. A brief course in the common metallurgical processes. Prerequisite, Chemistry 209. *Two hours credit.*

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. *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. *Two hours credit.*

319. 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. (Offered 1936-37.) *Two hours credit.*

321. ADVANCED ORGANIC CHEMISTRY—Two lectures and recitations each week. An advanced course in theory of organic chemistry. Prerequisite, Chemistry 304. (Offered 1936-37.) *Two hours credit.*

401. ADVANCED QUANTITATIVE ANALYSIS—Six or nine laboratory hours which includes one discussion period. The work includes colorimetric, turbidimetric, and hydrogen ion determinations. Prerequisite, Chemistry 203 or its equivalent. *Two or three hours credit.*

404. ORGANIC ANALYSIS—Twelve laboratory hours each week; includes 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. (Offered 1936-37.) *Four hours credit.*

## EDUCATION

300. 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.*

303. 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.*

304. CLASSROOM ADMINISTRATION, ORGANIZATION, AND MANAGEMENT—A study of problems of classroom control, attendance, organization, curriculum, program, procedure, and of extra-curricular 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. TESTS AND MEASUREMENT—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. Elementary statistics and graphic presentation. Open to Juniors and Seniors. Fee \$1.00. *Two 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 schools subjects. Each student will specialize on the subject of his special interest. Observation of teaching in public secondary schools; reports; term paper. Prerequisite, Education 301. Open to Seniors. *Two hours credit.*

401. PRINCIPLES OF EDUCATION—A course in the philosophy of education that seeks to help the student to develop a unified view of the place and function of education in our civilization, based on the conceptions of modern biology, psychology, and sociology. This course may be counted also on a major or minor in Philosophy. Open to Juniors and Seniors. (Offered 1936-37.) *Three 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 state-

ment from the English Department certifying that his use of oral and written English is of the quality satisfactory for high school teaching. In general, a quality point average of 2.00 in his major and minor departments will qualify a student to enter this course. It is clearly 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. Laboratory fee, \$10.00.

*Three to five hours credit.*

EDUCATIONAL PSYCHOLOGY—See course number 202 under Psychology.

### ENGINEERING DRAWING

101, 102. PRINCIPLES OF ENGINEERING DRAWING AND DESCRIPTIVE GEOMETRY—Four two-hour periods of lecture and laboratory each week. Consists of orthographic projection, isometric drawing, sketching, detail drawing of castings and machine parts, angular and parallel perspective, and development of intersections of solids. Last twelve weeks of second semester devoted to Descriptive Geometry. Special fee, each semester, \$2.50.

*Two hours credit each semester.*

(For description of other Engineering subjects see departments under which offered.)

### ENGLISH

English majors are expected to complete courses 101-102, 203, 204 or 206, 300, and Speech 115. Course 206 is required of all students who plan to teach high school English, and may be substituted for 204.

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. Required of Freshmen.

*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.*

206. SURVEY OF AMERICAN LITERATURE—Survey of the history, development, and types of American literature, with reference to trends and backgrounds. Prerequisite, English 101-102.

*Three hours credit.*

212. JOURNALISM—News writing and reporting, page make-up, editorial writing, theory and practice. Studies of form, content, purpose, and ethics of journalism. Prerequisite, English 101-102.

*Two hours credit.*

300. HISTORY OF THE ENGLISH LANGUAGE—A survey of the development of the language from its first literary forms to the present, with emphasis on changes in grammar, vocabulary, and other details. Prerequisites, English 203, 204.

*Two hours credit.*

306, 307. ROMANTIC PERIOD—First semester: Prose—Lamb, Hazlett, Hunt, DeQuincey, and Landor. Second semester: Poetry—Scott, Wordsworth, Coleridge, Byron, Shelley, Keats. Prerequisite, English 101-102.

*Two hours credit each semester.*

308. VICTORIAN LITERATURE—A survey of writings of Carlyle, Ruskin, Tennyson, Browning, Matthew Arnold, and other writers of the period. Prerequisite, English 101-102. *Three hours credit.*

309-310. SHAKESPEARE—An intensive study of Shakespearean drama and its relation to the life and literature of Elizabethan England. Prerequisite, English 101-102. *Three hours credit each semester.*

312. SHORT STORY—An appreciative reading course with analysis of present-day types and models stressing contemporary trends. Prerequisite, English 101-102. *Three hours credit.*

315. CONTEMPORARY POETRY—An appreciative study of the field of modern poetry since 1890. Emphasis is placed on recent trends and ideals of representative English, Irish, and American poets. Prerequisite, English 101-102. *Three hours credit.*

316. MODERN DRAMA SINCE 1890—A survey of the field of modern drama, particularly the one-act play. Emphasis on modern play writing and presentation requirements, English and American. Prerequisite, English 101-102. *Three hours credit.*

324. THE NOVEL—A study of the history and development of the novel in England and America with special emphasis on the field since 1890. Prerequisite, English 101-102. *Three hours credit.*

327. RISE OF AMERICAN MAGAZINES—The history and development of magazines in America from the earliest forms to those of the present day—the "annuals," *Godey's Lady's Book*, the "Yellowbacks," the "Quality Group," specialized magazines, and trade journals. Advertising, make-up, and policy. Prerequisite, English 101-102. *Three hours credit.*

342. CREATIVE WRITING—A study of short story, verse, and magazine article writing with emphasis upon technique and practice. Individual conferences. The marketing of manuscripts is fully discussed. Prerequisite, English 101-102. *Three hours credit.*

400. PRO-SEMINAR—Designed for seniors majoring in English. The course is based upon individual investigation and gives an introduction to the methods and technique of graduate study in the field of English. Prerequisite, special approval. *Two hours credit.*

### Speech

115-116. FUNDAMENTALS OF SPEECH—This course aims to develop self-expression through the medium of mind, body, and voice. The student learns properly to coordinate his mental and physical being. He then applies this learning to the oral interpretation of literature and his own thoughts. The second half of the course will be devoted to the study and practice of extemporaneous speaking and parliamentary law. *Two hours credit each semester.*

215-216. COLLEGE DEBATING—The course is a thorough study of two or three questions for intercollegiate debate, with practice in speaking. Credit is on the basis of knowledge of the subject rather than upon fluency or glibness in presentation of imperfect knowledge. Credit may therefore be earned repeatedly in this course by those wishing to participate in debate. Prerequisite, English 115-116. *Two hours credit each semester.*

219-220. PLAY PRODUCTION—A practical laboratory course offered primarily for the training of students to direct dramatic activities in high schools. The first semester will be devoted to a study of organization and duties of the producing staff, of the designing, making, and painting of scenery; of lighting, costuming, and make-up. The second semester will be given to methods of production and acting.

*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.*

320. ADVANCED INTERPRETATIVE READING—This course is offered for those who are fitting themselves for teaching, for platform work, or for any work along histrionic lines. Students entering this course may be asked to participate in student recitals.

*Two hours credit.*

### GEOGRAPHY

101. ECONOMIC GEOGRAPHY—The influence of geographic environment upon industries and other human activities, with special reference to the United States.

*Three hours credit.*

102. PRINCIPLES OF GEOGRAPHY—A study of human adjustments to the elements of the natural environments, such as climates, soils, land forms, surface, ground waters, and minerals.

*Three hours credit.*

### GEOLOGY

202, 203. HISTORICAL GEOLOGY AND PHYSIOGRAPHY—Two lectures, four hours laboratory and field study. The appearance of organisms in time. Type specimens and fossils as time indicators. The economic value of fossils. Field collecting.

*Four hours credit each semester.*

### MATHEMATICS

A major in the field of mathematics must include, in addition to the fundamental work of the first two years, at least three semester courses offered only to Juniors and Seniors. These advanced courses are selected from year to year to meet the needs of the class, and to give as great a variety for choice as possible.

Chemistry, Physics, and Pre-Engineering students should take the work of the department at least through the Calculus. Other students may elect individual courses or sequences for which they are prepared. The work of the Freshman year is open to all who satisfy the college entrance requirements in mathematics.

101. COLLEGE ALGEBRA—The fundamentals of Algebra are rapidly reviewed, after which advanced topics, such as progression, permutations and combinations, theory of equations, complex numbers, and determinants are studied. Open to Freshmen.

*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. Open to Freshmen.

*Two hours credit each semester.*

103. PLANE AND SPHERICAL TRIGONOMETRY—The work includes logarithms, goniometry, solution of triangles, trigonometric equations, and construction of tables. Should follow or be accompanied by Mathematics 111-112.

*Three hours credit.*

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.*

207. MATHEMATICS OF FINANCE—Such topics are considered as simple and compound interest, discount, annuities, sinking fund methods, and life insurance. College Algebra is desirable as a prerequisite.

*Three hours credit.*

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.*

314. ANALYTIC MECHANICS—A mathematical treatment of problems in statics and dynamics of particles and rigid bodies. Prerequisites, Mathematics 210 and Physics 201. (Offered 1936-37.)

*Three hours credit.*

315. DIFFERENTIAL EQUATIONS—Methods of solving ordinary differential equations. Prerequisite, Mathematics 210. (Offered 1936-37.)

*Three hours credit.*

316. ADVANCED DIFFERENTIAL EQUATIONS—Additional methods, including those pertaining to partial differential equations, equations of higher order, and systems of equations. Prerequisite, Mathematics 315. (Offered 1936-37.)

*Two or three hours credit.*

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.

*Three hours credit.*

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.

*Three hours credit.*

#### MODERN LANGUAGES

At present the only language in which enough courses are offered to constitute a major is French. However, a major in Romance Languages may be obtained by combining 18 semester hours of courses in French above the 100 group with 6 semester

hours of intermediate or advanced Spanish or of elementary Italian. A minor in Romance Languages may consist of intermediate French and any three courses in French Literature, or of Spanish 203, 204, 305, and of six hours of Italian.

Until there is a demand for advanced courses in German, enough credits cannot be obtained to constitute a minor in this language. However, students who intend to do graduate work will find the elementary and intermediate courses very helpful in preparing for the examination in reading knowledge of German, which is required for most advanced degrees.

### French

101-102. ELEMENTARY FRENCH—Fundamental principles of grammar, drill in pronunciation through the use of phonetic characters, and comprehension exercises based on the extensive reading of simple texts.

*Four hours credit each semester.*

203. INTERMEDIATE FRENCH—Modern short stories are read and discussed in French. Grammar is reviewed in connection with elementary composition. 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.*

307. MODERN FRENCH DRAMA—A study of representative plays by the two Dumas, Hugo, Musset, Vigny, Brieux, Rostand, and others. Prerequisite, 204 or four years of high school French.

*Three hours credit.*

308. CLASSICAL FRENCH DRAMA—A study of versification and technique of various masterpieces of Corneille, Racine, and Moliere. Prerequisite, 204 or four years of high school French.

*Three hours credit.*

309. THE NOVEL IN FRANCE—Extensive reading of representative French novels in connection with the intensive study of some one masterpiece such as Flaubert's *Madame Bovary* or Prevost's *Manon Lescaut*. Prerequisite, 204 or four years of high school French. (Offered 1936-37.)

*Three hours credit.*

310. CONTEMPORARY FRENCH LITERATURE—Selections will be studied from the works of twentieth century writers such as Gide, Dunhamel, Valery, Cocteau, Giraudoux, and Mauriac. Prerequisite, 204 or four years of high school French. (Offered 1936-37.)

*Three hours credit.*

Note—The following additional courses will be offered in 1937-38:

305-306, Survey of French Literature

311, Eighteenth Century Literature

312, Modern French Poetry



## 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. *Four 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.*

## 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.*

## 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. *Four 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 306. 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.*

## MUSIC

Note: For more complete information concerning the School of Music, write for special Music Bulletin.

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, the courses carefully correlated, and the work in music articulated 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 entering the collegiate department of the School of Music must fulfil 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 dance from Bach.
- (c) One of the easier compositions from Chopin.
- (d) One sonata movement from Haydn, Mozart or the earlier Beethoven, and a concert number of corresponding difficulty.

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 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 1½ 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.

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 offered 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—Two recitations each week. 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.*

105, 106. APPRECIATION OF MUSIC—Two recitations each week. A discussion of the problems of listening to music, designed primarily for the non-professional listener. Lectures, outside readings, study of phonographic records, reports.

*Two hours credit each semester.*

201-202. ADVANCED HARMONY—Three recitations each week. 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. Prerequisite, Music 101, 102, 103-104.

*Three hours credit each semester.*

203, 204. HISTORY OF MUSIC—Two recitations each week. A study of the beginnings of music from pre-historic times down to the beginning of the sixteenth century.

*Two hours credit each semester.*

301, 302. STRICT COUNTERPOINT—Two recitations each week. First, second, third, fourth, and fifth species of academic counterpoint in two, three, and four parts; combined counterpoint. Prerequisite, 201-202. (Offered 1936-37.)

*Two hours credit each semester.*

303, 304. HISTORY OF MUSIC—Three recitations each week. A continuation of 203, 204. The development from the beginning of the sixteenth century down to the present day.

*Three hours credit each semester.*

401-402. 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.

*Three hours credit each semester.*

**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) . . . . .	27.00	54.00
Frank E. Fuller (voice) . . . . .	36.00	72.00
Kathryn Guarnieri (voice) . . . . .	45.00	90.00
Alvin Myerovich (violin) . . . . .	27.00	54.00
Charles H. Lowry (violin) . . . . .	27.00	54.00
Ross Hickernell (brass instruments) . . . . .	27.00	54.00
L. V. Ruhl (Violincello and contra-bass) . . . . .	27.00	54.00
J. D. Cook (wood-wind instruments) . . . . .	27.00	54.00
Class Instruction in Piano and Violin—\$13.50		

**PHILOSOPHY**

301. HISTORY OF PHILOSOPHY—The development of philosophy from the time of the Greeks down to the present day, with a discussion of present-day philosophic problems in the light of their origin.

*Three hours credit.*

302. HISTORY OF PHILOSOPHY—A continuation of History of Philosophy 301. Prerequisite, Philosophy 301.

*Three hours credit.*

303. 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.

*Three hours credit.*

305. 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.

*Three hours credit.*

306. ETHICS—A continuation of Ethics 305. Prerequisite, Ethics 305.

*Three hours credit.*

307. CIVILIZATION AND ETHICS—A survey of the ethical thought of the centuries, from the time of the Greeks to the present day, and as related to the life of the times, in each era.

*Three hours credit.*

308. CIVILIZATION AND ETHICS—Continuation of Course 307. Prerequisite, Philosophy 307.

*Three hours credit.*

### PHYSICAL EDUCATION

101, 102. PHYSICAL EDUCATION AND HYGIENE (Men)—Three hours each week. 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)—The course includes the following sports, soccer, basketball, tennis, golf, and volley ball. Also folk-dancing, natural dancing and rhythmic gymnastics, personal hygiene. Required of Freshmen.

*One hour credit each semester.*

205, 206. ADVANCED PHYSICAL EDUCATION (Men)—Three hours each week. A continuation of courses 101, 102. Required of Sophomores.

*One hour credit each semester.*

207, 208. ADVANCED PHYSICAL EDUCATION (Women)—Two hours each week. The student is given an opportunity to develop skill in her favorite sports. Swimming, golf, tennis, and natural dancing are offered. Required of Sophomores.

*One hour credit each semester.*

### PHYSICS

Students expecting to major in Physics should elect Chemistry and Mathematics in their first year, continuing the latter at least through the second year. The basic course in Physics is of Sophomore grade. One additional year of Physics is required for a minor, and two for a major in the subject.

201-202. GENERAL COLLEGE PHYSICS—A general course in the fundamentals of physical science. The first semester ordinarily includes the study of mechanics, heat, and sound, the second semester being devoted to electricity, magnetism, and light. Lecture and recitation, three hours, and two two-hour laboratory periods each week. Prerequisite, Sophomore standing. Trigonometry highly desirable.

*Five hours credit each semester.*

211-212. SURVEYING—One hour of lecture or recitation and three or six hours of field work each week. A course intended to give the fundamental principles of surveying, fitting one to make practical application of the knowledge and skill required. Prerequisite, Trigonometry.

*Two or three hours credit each semester.*

303. ELECTRICITY AND MAGNETISM—This course presents a critical study of the physical laws underlying this highly important subject. Prerequisites, Physics 201-202 and Mathematics 209-210. (Offered 1936-37.)

*Three hours credit.*

308. THERMODYNAMICS—A study of the fundamental laws of thermodynamics: Carnot cycle, the heat engine, entropy, reversible and irreversible cycles; application to certain problems. Prerequisites, Physics 201-202 and Mathematics 209-210. *Three hours credit.*

314. ANALYTIC MECHANICS—Credit is granted for this course either as physics or as mathematics 314. For a description of the course, see the latter. (Offered 1936-37.) *Three hours credit.*

322. PHYSICAL OPTICS—An advanced study of light and its interactions with matter. Prerequisites, Physics 201-202 and Mathematics 209-210. (Offered 1936-37.) *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. EDUCATIONAL PSYCHOLOGY—A study of those principles and laws of psychology that form the basis for rational education that apply to the problems of the school. Prerequisite, Psychology 201. *Three hours credit.*

203. CHILDHOOD AND ADOLESCENCE—A study of the development of the child, his structure, needs, motivations, care, and social adjustment, up to and including the period of adolescence. Prerequisite, Psychology 201. *Three hours credit.*

301. APPLIED PSYCHOLOGY—A study of the problems, methods and results of the application of psychological principles to professional and other fields. Prerequisite, Psychology 201. *Three hours credit.*

302. PSYCHOLOGY OF THE ABNORMAL MIND—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. *Three hours credit.*

303. PSYCHOLOGY OF RELIGION—Study of the psychological facts and principles affecting religious experiences, sense of sin, conversion, character development, faith, worship, and allied dynamics of personality, activating the individual and society. Prerequisite, Psychology 201. *Three hours credit.*

304. SOCIAL PSYCHOLOGY—A study of psychological principles and methods applied to social problems and factors influencing social life. Prerequisite, Psychology 201. *Three hours credit.*

### SOCIAL SCIENCE

#### The Group Study Plan

At the beginning of the junior year the student who has elected this field as his major will proceed on the group study plan and must complete a minimum of three such groups, totaling approximately twelve credits to the group, in his junior and senior years. The remaining credit requirements may be made



up after consultation with and approval of the head of the department. Before any student may be permitted to enroll in the group study plan, although he may have completed the prerequisites, he may be required to present further evidence of sufficient background of the work he proposes to follow. Students who are thus deficient, as well as students who have transferred from other institutions, may be required to take a comprehensive examination covering that phase of the work about which there is doubt.

The method of procedure under the group plan will include the lecture and discussion method, much as is used elsewhere, but with certain fundamental differences. The seminar method, individual and class research by projects, will be fostered throughout, always keeping in mind that it is of utmost importance to develop skills in fact finding and of discrimination in assembling a mass of facts. A student will no longer study an isolated course, but will follow a coordinated study of an entire group of related subjects. Using group II as an example, the first hour of the day may be devoted to a consideration of that part of American history dealing with Taft's Administration and all its political implications, both temporary and permanent in nature. The next hour the same class will go into a detailed study of monopolies of the period, anti-trust activities, effects of the tariff, and an inquiry into those individuals and groups who were lobbying for or against the tariff, and what were their economic motives. The third hour, which might be the same day or another day of the same week, the sociology of the period will be examined. Another hour the class will study our diplomatic dealings with the remainder of the world—the Hague Conference, attempts to prevent selfish interests from plunging us into war with Mexico, "Dollar Diplomacy" in Central America and other places of the world, etc.

A minimum of 45 credits is required of social science majors.

The following groups are merely suggestive of the plan to be followed.

#### Group I

America, 1783-1860

AMERICAN HISTORY—Development and Growth of Constitution, Westward Expansion, Mexican War, Slavery and Disunion. Cultural, social, and intellectual life during first half of 19th century.

ECONOMIC HISTORY—Early development of our industrial and agricultural life, taxation, banks, monetary policies, tariffs.

**POLITICAL PARTIES AND GOVERNMENT**—Growth of political democracy and demagoguery and their relation to economic and social life.  
9 to 12 credits.

### Group II

America, 1860-1914

**POLITICAL HISTORY**—Shift of political balance of power after 1860. Growth of bosses, rounding out statehood, homestead laws, political imperialism, etc.

**ECONOMIC HISTORY OF U. S.**—Business combinations, monopolies, economic imperialism, credit inflation, etc.

**SOCIAL PROBLEMS**—Maladjustments caused by political and economic policies, labor problems, immigration laws, Indian policies, slums, rural decadence.

**AMERICAN FOREIGN POLICY**—Special emphasis on Pacific and Caribbean diplomacy and on European Alliances since 1870 that have influenced America.  
9 to 12 credits.

### Group III

**PHILOSOPHY OF THE STATE**—Theories of Locke, Rousseau, Hobbes, Plato, Marx, Montesquieu, Machiavelli.

**SOCIAL PROBLEMS OF THE INDUSTRIAL REVOLUTION**—A study of the fate of various classes and groups after feudalism, the enclosures, slave economy, industrial peonage, etc.

**ECONOMIC HISTORY OF EUROPE**—A study of farm ownership, economic units, inflation, taxation, and economics of colonization by European countries.

**A STUDY OF WAR SINCE THE FRENCH REVOLUTION**—An examination of every major conflict, diplomatic and economic intrigues, cabals, costs, social and historical results.  
9 to 12 credits.

### Group IV

Ancient Mediterranean World through the Caesars.

History of Byzantine World and effects of its dissolution on Balkan History.

Greek Political and Intellectual Growth through Pericles.

Culture of Mediterranean World to Renaissance.

9 to 12 credits.

### Group V

History of the World since 1914.

World Politics and Comparative Governments: Types, forms, changes, methods, same period.

Labor Problems in American Industry, and International Economic Problems, same period.  
9 to 12 credits.

### Group VI

**HISPANIC-AMERICAN HISTORY**—Study of beginnings and aboriginal cultures, ethnic groups, Spanish influences, effects of Spanish disintegration.



**MEXICO**—Statecraft, religion, revolution, growth of constitutionalism, 1823-1930.

**PAN-AMERICANISM**—America's policies in Central and South America, economic penetration, trade pacts, cultural understanding and growth.

Submerged groups in the Western World and their threats to stable governments and civilization, 9 to 12 credits.

#### Examinations

It will be a part of every student's work to achieve certain skills in methods of research and in compiling selected bibliographies in each field of knowledge. Instead of semester examinations for each course there will be substituted oral and comprehensive examinations by groups. Such examinations, together with reading notes, bibliographies, oral reports, and special projects within the field, will constitute the tests by which the student's accomplishments are measured.

#### Individual Courses In The Social Science Field

Students will not be admitted to the group study plan without permission by the head of the department and for the most part only those students who are of Junior or Senior standing and who are majoring in Social Science.

Arrangements will be made for certain advanced students to participate in some one of the subjects under the group plan who are not majoring in Social Science. However, such a permission must be secured before registration. Group three will be given the first semester of the college year 1935-36, followed the second semester by group four or group five.

#### Economics

101-102. **PRINCIPLES OF ECONOMICS**—A study of the laws of production, exchange, distribution, consumption of goods, the fundamentals of wealth, and an analysis of the industrial actions of men as regards land, labor, capital, money, credit, rent, interest, and wages. Designed for Freshmen and Sophomores.

*Three hours credit each semester.*

106. **INDUSTRIAL HISTORY**—This course traces the development of a number of American industries up to the present time and furnishes a background for further economic study.

*Three hours credit.*

207. **FINANCIAL INSTITUTIONS**—This course deals with money, banking, securities, insurance, etc. A non-technical study of the various financial institutions with which the average person comes in contact. Prerequisites, Economics 101, 102. (First Semester.)

*Three hours credit.*

301. **TAXATION**—A general treatment of the principles and practice of taxation with special reference to methods and conditions in the United States. Prerequisite, Economics 101. (Offered 1936-37.)

*Three hours credit.*

303. ECONOMIC HISTORY OF THE UNITED STATES—A study of the economic forces that have shaped our national life. Prerequisites, Economics 101, 102. (First semester.) *Three hours credit.*

307. MONEY AND BANKING—A study of the functions and services of money, regulation of currency, modern financial structure, the operation of investment and commercial banks, and the Federal Reserve system. Prerequisites, Economics 101 or 303. *Three hours credit.*

309. LAND ECONOMICS—A study of the fundamental problems of home ownership, forestry, agricultural credit, tenancy, the place of land in our economic life, the services rendered by land, and the principles governing the use of land. Prerequisite, Economics 101. (Second semester.) *Three hours credit.*

### History

101. MODERN EUROPEAN HISTORY, 1500-1815—A general survey of the history of Western Europe covering the period from Luther and Henry VIII to Napoleon. The purpose of this course is to give the student a comprehensive understanding of the many phases of modern civilization. Designed for Freshmen and Sophomores. (First semester.) *Three hours credit.*

102. MODERN EUROPEAN HISTORY, 1815 TO THE PRESENT—A survey of the history of Europe, emphasizing its relations to the rest of the world during the nineteenth and twentieth centuries. Students who elect to take only one semester of history are advised to take this course. Designed for Freshmen and Sophomores. (Second semester.) *Three hours credit.*

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. Designed for Sophomores. *Three hours credit.*

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 101, 102. (First semester.) *Three hours credit each semester.*

302. HISTORY OF RUSSIA—A study of the development of the Russian people and their political institutions from earliest times to the present. (Offered 1936-37.) *Three hours credit.*

303. FRENCH REVOLUTION—The Napoleonic era from 1789 to 1815. (Second semester.) *Three hours credit.*

306. WESTERN AMERICAN HISTORY—This course follows the "tide of the empire" mainly during the Nineteenth century and covers its development from economic, social, and political standpoints. Prerequisites, History 201, 202. (Second semester.) *Three hours credit.*

309. **LATIN-AMERICAN HISTORY**—Colonial Latin-America, and the development of the principle Latin-American countries. Prerequisites, History 101, 102, 201, 202. (First semester.) *Three hours credit.*

311. **HISTORY OF GREECE**—Political and cultural growth of Greece. Prerequisites, History 101, 102. (First semester.) *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 101, 102. (Second semester.) *Three hours credit.*

318. **HISTORY OF MODERN REVOLUTION**—This course includes a study of the underlying causes and results of recent revolutionary tendencies in various parts of the world—Cuba, Germany, Italy, Russia, China, Mexico, etc. Prerequisites, History 201, 102. *Three hours credit.*

320. **HISTORY OF ART AND CIVILIZATION**—A study of the civilizations of Greece and Italy; the influence which fostered the unfoldment of cultural life and the influences which led to disintegration; the nature of the peoples and their ideals; their architecture, sculpture and painting as the expression of their changing conception of life. In the study of the civilization and art of Italy, special emphasis will be given to the period of the Renaissance. Not open to Freshmen and Sophomores. *Three hours credit.*

321. **HISTORY OF ART AND CIVILIZATION**—Continuation of History 320. Prerequisite, History 320. *Three hours credit.*

322. **HISTORY OF ART AND CIVILIZATION**—A continuation of History 321, from the end of the Renaissance in Italy to the present day. The people, culture and art of France, Germany, Spain, Netherlands, England. The nineteenth century. Present-day tendencies, including art in the United States. Not open to Freshmen and Sophomores. *Three hours credit.*

323. **CIVILIZATION AND ART**—A continuation of History 322. Prerequisite, History 322. *Three hours credit.*

### Political Science

101. **INTRODUCTION TO POLITICAL SCIENCE**—An introduction to American political life. (First semester.) *Three hours credit.*

102. **AMERICAN GOVERNMENT**—A survey of federal, state, city, and county governments. (Second semester.) *Three hours credit.*

305. **AMERICAN POLITICAL PARTIES**—A study of political activities, bosses, machines, pressure groups, etc. Prerequisites, Political Science 101, 102. (First semester.) *Three hours credit.*

306. **COMPARATIVE GOVERNMENTS**—A comparative study of governments and politics in America and the other leading nations of the world, with regard to forms, procedure, and recent developments. Prerequisites, Political Science 101, 102. (Offered 1936-37.) *Three hours credit.*

310. AMERICA'S FOREIGN POLICY—This course is a full and detailed study of the facts of our foreign policy through the entire period of our history from the French Alliance in 1778 through the World War and the many conferences since that time. (Offered 1936-37.)

*Three hours credit.*

312. AMERICAN STATESMEN—This is a study of American government through the lives of the leading statesmen, who have been instrumental in shaping the policies of the American government in past and present. Prerequisites, Political Science 101, 102. (Second semester.)

*Three hours credit.*

### Sociology

101. AN INTRODUCTION TO WESTERN CIVILIZATION—This is an orientation course open to Freshmen. The purpose of the course is to give a broad general treatment of those social forces which are shaping our civilization. It will include a study of man's culture, ancient and present, his institutions, his ethical standards, and the more material side of his civilization. (First semester.)

*Three hours credit.*

102. PRINCIPLES OF SOCIOLOGY—A study of the fundamental ideas and principles of the study of society, the origins and proposed solutions of some of our modern social problems. (Second semester.)

*Three hours credit.*

203. HISTORY OF SOCIAL THOUGHT—An analysis of the constant change of social attitudes and the processes of growth. Prerequisites, Sociology 101, 102. (First Semester.)

*Three hours credit.*

204. SOCIAL PATHOLOGY—A study of specific social problems of society. Prerequisite, Sociology 102. (Second semester.)

*Three hours credit.*

310. THE FAMILY—A study of the family in its different forms and types, at different times and among different peoples. (Offered 1936-37.)

*Three hours credit.*

311. CULTURAL ANTHROPOLOGY—A study of the institutions of primitive people in pre-historic and modern times, their cultures and desires, art and religions. Prerequisite, Sociology 102. (Offered 1936-37.)

*Three hours credit.*

312. RURAL SOCIOLOGY—This course places stress on problems peculiar to American rural life. Extension and adult education, sound principles of community organization and development. Rural policies for communities, states, and the nation.

*Three hours credit.*

313. INDUSTRIAL SOCIOLOGY—An interpretation of the theories and principles which underlie the present organization of business, corporate ownership, and the wage systems in industry. It studies the effect upon society of the economics of plenty and the economics of scarcity. Prerequisites, Sociology 101, 102. (Second semester.)

*Three hours credit.*

# Professional

## BUSINESS ADMINISTRATION

The course in Business Administration offers an opportunity for students to secure an A. B. 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 degree, 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 Title of Associate in Business Administration

#### First Year

First Semester	Second Semester
English 101 . . . . . 3 hrs.	English 102 . . . . . 3 hrs.
Chemistry 109-111 or Biology 103 . . . . . 4 hrs.	Chemistry 110-112 or Biology 108 . . . . . 4 hrs.
Business Organization 101 . . . 2 hrs.	Geography 102 or Economics 102 . . . . . 3 hrs.
Mathematics 111 . . . . . 2 hrs.	Mathematics 112 . . . . . 2 hrs.
Physical Education 101 . . . . 1 hr.	Physical Education 102 . . . . 1 hr.
Elective . . . . . 3 hrs.	Elective . . . . . 3 hrs.

#### Second Year

First Semester	Second Semester
Accounting 201 . . . . . 3 hrs.	Accounting 202 . . . . . 3 hrs.
Economics 201 . . . . . 3 hrs.	Economics 202 . . . . . 3 hrs.
Language 101 . . . . . 4 hrs.	Language 102 . . . . . 4 hrs.
Law 201 . . . . . 3 hrs.	Law 303 . . . . . 3 hrs.
English 115 . . . . . 2 hrs.	English 116 . . . . . 2 hrs.
Physical Education 205 . . . . 1 hr.	Physical Education 206 . . . . 1 hr.

#### Third Year

First Semester	Second Semester
Accounting 303 (Cost) . . . . . 3 hrs.	Business Organization 321 . . . 3 hrs.
Economics 307 . . . . . 3 hrs.	Business Organization 322 . . . 3 hrs.
Bus. Organization 311 . . . . . 3 hrs.	English—Bus. Letters . . . . . 2 hrs.
English—Bus. Letters . . . . . 2 hrs.	Elective . . . . . 7 hrs.
Elective . . . . . 4 hrs.	

#### Fourth Year

First Semester	Second Semester
Accounting 301 . . . . . 2 hrs.	Accounting 302 . . . . . 2 hrs.
Business Organization (Industrial Org. & Mgmt.) 2 hrs.	Business Organization 315 (Corp. Finance) . . . . . 2 hrs.
Electives . . . . . 11 hrs.	Electives . . . . . 11 hrs.

## Suggested Curriculum for the Degree of Bachelor of Arts in Business Administration

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.

### First Year

#### First Semester

English 101 ..... 3 hrs.  
Accounting 201 ..... 3 hrs.

#### Second Semester

English 102 ..... 3 hrs.  
Accounting 202 ..... 3 hrs.

### Second Year

#### First Semester

Economics 201 ..... 3 hrs.  
Accounting 300 ..... 3 hrs.

#### Second Semester

Law 201 ..... 3 hrs.  
Accounting 301a ..... 3 hrs.

### Third Year

#### First Semester

Law 303 ..... 3 hrs.  
Accounting 303 ..... 3 hrs.

#### Second Semester

Accounting 304 ..... 3 hrs.  
Elective ..... 3 hrs.

### Fourth Year

#### First Semester

Auditing 401 ..... 3 hrs.  
Elective ..... 3 hrs.

#### Second Semester

Auditing 402 ..... 3 hrs.  
Elective ..... 3 hrs.

### Fifth Year

#### First Semester

Federal Taxes 403 ..... 3 hrs.  
Elective ..... 3 hrs.

#### Second Semester

Federal Taxes 404 ..... 3 hrs.  
Elective ..... 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 five credits). 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. The student should also plan his courses well in advance to be sure that he will satisfy the major, minor, and group requirements for the degree of Bachelor of Arts at Youngstown College. 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 twelve 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 twenty-seven semester hours in Education, but it should be realized that this major cannot be utilized as a high school teaching subject.

### Suggested Curriculum for Teacher Training Course

#### Freshman Year

First Semester	Second Semester
Freshman English 101 . . . . . 3 hrs.	Freshman English 102 . . . . . 3 hrs.
Foreign Language . . . . . 3-4 hrs.	Foreign Language . . . . . 3-4 hrs.
Laboratory Science . . . . . 3-4 hrs.	Laboratory Science . . . . . 3-4 hrs.
Physical Education . . . . . 1 hr.	Physical Education . . . . . 1 hr.
Electives . . . . . 6-4 hrs.	Electives . . . . . 6-4 hrs.



**Sophomore Year**

**First Semester**

Psychology 201	3 hrs.
English 115	2 hrs.
Social Science	3 hrs.
Physical Education	1 hr.
Electives	7 hrs.

**Second Semester**

Educational Psychology 202	3 hrs.
English 116	2 hrs.
Social Science	3 hrs.
Physical Education	1 hr.
Electives	7 hrs.

**Junior Year**

**First Semester**

Introduction to Teaching 300	3 hrs.
Principles of Teaching 301	3 hrs.
History of Education 303	2-3 hrs.
Electives	8-7 hrs.

**Second Semester**

Classroom Administration, Organization and Management 304	3 hrs.
Educational Sociology 308	3 hrs.
Tests and Measurement 306	2 hrs.
Electives	8 hrs.

**Senior Year**

**First Semester**

Special Methods 400	2 hrs.
Principles of Education 401	3 hrs.
Electives	11 hrs.

**Second Semester**

Special Methods 400	2 hrs.
Supervised Student Teaching 404	3-5 hrs.
Electives	13-11 hrs.

**SCHEDULE OF PROFESSIONAL COURSES REQUIRED FOR PROVISIONAL CERTIFICATES**

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



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.

### MAJOR AND MINOR REQUIREMENTS

	Major—18 Sem. Hrs.		Minor—12 Sem. Hrs.
	Required 9 sem. hrs.		Required 6 sem. hrs.
Mathematics 2 units h. s.	Col. Alg. . . . . 3 Col. Geom. . . . . 3 Trig. . . . . 3		Col. Alg. . . . . 3 Col. Geom. . . . . 3
	Elective 9 sem. hrs.		Elective 6 sem. hrs.
	Any higher math. Astronomy Statistics Excess in req. subjects Com. Arith.		Same as major elective
	Required 12 sem. hrs.		Required 6 sem. hrs.
English 3 units h. s.	Eng. Comp. . . . . 6 Eng. and Am. Poetry . . . . 3 Eng. and Am. Prose . . . . 3		Eng. Comp. . . . . 3 Eng. or Am. Prose and/or Poetry 3
	Elective 6 sem. hrs.		Elective 6 sem. hrs.
	Public Speaking Literature Any other English or excess in requirement.		Same as major elective
	Required 12 sem. hrs.		Required 6 sem. hrs.
History 2 units h. s.	World Hist. . . . . 3 Am. History . . . . . 3 Government or Pol. Science. . . 3 Modern Trends . . . . . 3		World Hist. . . . . 3 Am. History . . . . . 3
	Elective 6 sem. hrs.		Elective 6 sem. hrs.
	Any other branch of secular history. Excess credit in major requirements.		Same as major elective
	Required 9 sem. hrs.		Required 6 sem. hrs.
Social Science 1 unit h. s. (May be Hist. or Geog.)	Economics . . . . . 3 Sociology . . . . . 3 Ethics, Philosophy, Logic: Any one or any combination . . . . 3		Economics . . . . . 3 Sociology . . . . . 3
	Elective 9 sem. hrs.		Elective 6 sem. hrs.
	Excess in req. subjects Econ. Geog. Social Civics Indus. History Commercial Geography Industrial Geography		Same as major elective

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

Required 6 sem. hrs.

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

Elective 6 sem. hrs.

Same as major elective

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 6 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 6 sem. hrs.

Same as major elective

Latin  
2 units  
h. s.

18 sem. hrs.

College Latin in usual sequence

12 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

12 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 pre-requisite in that subject.

(b) The 18 semester hours prescribed for major in any subject may all be within the required group of subjects.

(c) The six semester hours of major or minor electives may all be credits in the required subjects in excess of those necessary to meet the main requirements, or may be any combination of such excess credits and those listed as minor requirements.

(d) 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.

## LAW

Calendar 1935-1936

(Twenty-seventh Year)

1935—Sept. 26 and 27—Registration of all students in Law School for Fall quarter

Oct. 1—All classes meet.

Dec. 20—Fall Quarter ends.

1936—Jan. 7—Winter quarter begins. All classes meet.

Mar. 27—Winter quarter ends.

March 31—Spring quarter begins. All classes meet.

June 26—Spring quarter ends.

June 30—Summer quarter begins. All classes meet.

Sept. 18—Summer quarter ends.

Classes meet Tuesday and Friday from 7:00 to 8:30 P. M., and from 8:30 to 10:00 P. M.

## THE QUARTER SYSTEM

The School of Law operates on the quarter plan. The quarters are designated as Summer, Fall, Winter and Spring quarters, which open and close on the dates indicated on the calendar. Four quarters will constitute the year's work.

## OBJECTIVES AND METHODS OF INSTRUCTION

The law instruction of the Youngstown 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.

### LIBRARY FACILITIES

The Law School maintains a Law library of over five thousand volumes.

### REQUIREMENTS FOR ADMISSION

Freshmen entering the Law School will be required to submit sixty semester hours credit in a Liberal Arts College to satisfy admission requirements.

### DEGREES

The Youngstown School of Law is a member of The Ohio League of Law Colleges.

In February, 1920, the State of Ohio, through the State Superintendent of Public Instruction, authorized The Youngstown School of Law to confer the degree of Bachelor of Laws upon those who successfully complete the course of study. All graduates will receive the degree of Bachelor of Laws and the certificate allowing them to participate in the State Bar Examinations, contingent upon approval of the faculty.

The entire course of study as outlined in this catalog is required for graduation.

### REQUIREMENTS FOR 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 Youngstown School of Law should ask at the office for 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.

### FEEES

Tuition each quarter, \$40.00.

Tuition is due on the opening day of the quarter. Registration is not complete and admission to classes will not be approved until all tuition has been paid or payments arranged with the Business Manager.

A ten percent discount will be allowed to those who pay cash on the opening evening of each quarter. Students who desire to pay their tuition in installments shall make the first payment within ten days after the opening of the semester. The attendance cards for those students not complying with the above requirement will be withdrawn.

A fee of \$5.00 will be charged for conferring the LL. B. degree and must be paid sixty days before commencement.

### COURSE OF STUDY

#### Leading to the Bachelor of Laws Degree

##### First Year

Subject	Semester Hours	Credit
Common Law Pleading	2	2
Contracts	6	6
Personal Property	2	2
Torts	4	4
Agency	2	2

##### Second Year

Subject	Semester Hours	Credit
Torts	2	2
Criminal Law	2	2
Real Property I.	2	2
Negotiable Instruments	2	2
Real Property II.	2	2
Sales	2	2
Real Property III.	2	2
Bailments and Carriers	2	2

##### Third Year

Subject	Semester Hours	Credit
Equity	6	6
Private Corporations	2	2
Evidence	4	4
Trusts	2	2
Insurance	2	2

**Fourth Year**

Subject	Semester Hours Credit
Municipal Corporations . . . . .	2
Quasi Contracts . . . . .	2
Partnership . . . . .	2
Suretyship . . . . .	2
Pleading and Practice . . . . .	4
Bankruptcy . . . . .	2
Domestic Relations . . . . .	2

**Fifth Year**

Subject	Semester Hours Credit
Wills . . . . .	2
Constitutional Law . . . . .	4
Mortgages . . . . .	2
Criminal Procedure . . . . .	2
Conflict of Law . . . . .	2

**SCHEDULE OF CLASSES 1935-1936**

(Classes meet Tuesday and Friday evenings)

**FALL QUARTER**

7:00—8:30	8:30—10:00
Common Law Pleading	Contracts
Real Property I	Torts
Equity I	Private Corporations

**WINTER QUARTER**

7:00—8:30	8:30—10:00
Agency	Contracts
Real Property II	Negotiable Instruments
Equity II	Evidence I

**SPRING QUARTER**

7:00—8:30	8:30—10:00
Torts	Contracts
Real Property III	Sales
Equity III	Evidence II

**SUMMER QUARTER**

7:00—8:30	8:30—10:00
Torts	Personal Property
Bailments and Carriers	Criminal Law
Trusts	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.

## DESCRIPTION OF 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.*

**BANKRUPTCY**—A study of the national bankruptcy act and its construction; who may be a bankrupt; who may be a petitioning creditor; acts of bankruptcy; provable claims; exemption and discharge. *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. *Two hours credit.*

**CONSTITUTIONAL LAW**—The increasing importance of sound and wide learning in the law, the multiplication of law books, and the infinite number of reported cases, have combined to make more needful than ever before a thorough knowledge of legal principles. A capable lawyer knows not only what is the law generally, but also its philosophy and history. We aim measurably to enable the student to attain this end by offering a critical study of the following: (1) the history of the law; (2) the juristic basis of the leading principles of the law; (3) the form in which these principles first appeared and the reasons for their appearance; (4) the changes and modifications they have undergone; (5) the causes of their death or survival; (6) the constitution of England and the United States. *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**—Sources of criminal law; the mental element in crime; locality in crime; parties in crime; criminal liability, generally and in special cases; crimes at common law; crimes statutory; and 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.*



**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. *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.*

**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. *Two hours credit.*

**MORTGAGES**—Forms, debts, foreclosures, redemption, sales, writ of restitution. *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. *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. *Two hours credit.*

**PERSONAL PROPERTY**—Distinction between real and personal property, gift, bailment, 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.

*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.*

**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.

*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, disseisin, 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.

*Two hours credit.*

**TORTS**—This course calls the attention of the student sharply to the "Tripartite division of torts," to-wit (1) the damage element; (2) the causation element; and (3) the excuse element (justification, privilege). It is submitted that this classification is the most natural of any that has been made. The whole field of tort is studied in this manner.

*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.

*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.

NOTICE—Subjects taught, hours of instruction, tuition charges, case books and degrees and all matters of a similar character are subject to change any time by the Dean and President.

# Suggested Curriculums

## COURSES IN ENGINEERING

An increasingly large number of students of engineering are finding it profitable to complete the requirements for an A. B. degree in a liberal arts college before taking up the more specialized work of the engineering school. The advantages of this procedure are many. If sufficient work in the sciences is taken during the arts course the time of graduation from the engineering school is delayed but two years or less. This delay is, in many cases, a distinct advantage to the student in view of the early age at which many students now enter college. At the same time a liberal arts course forms a cultural background which should be found helpful to the engineer who may have executive and administrative duties along with his more technical work.

To meet this need, Youngstown College offers a four-year pre-engineering course leading to an A. B. degree in chemistry, mathematics, or physics. The suggested electives both in the major and in other fields are chosen, and in several cases, designed with the special requirements of the engineering student in mind. The student who completes this course in a satisfactory manner should not find it difficult to complete his work in an engineering school in two additional years.

Those students who find it impossible or undesirable to complete their work for an A. B. degree may modify their schedule in such a way that they may enter the third year of an engineering school after completing three years in Youngstown College. This modification is suggested in the three-year curriculum.

### Pre-Engineering Three-Year Plan

First Semester	First Year	Second Semester	
Mathematics 111 . . . . .	2 hrs.	Mathematics 112 . . . . .	2 hrs.
Mathematics 103 . . . . .	3 hrs.	Mathematics 114 . . . . .	3 hrs.
Chemistry 109 or 111 . . . . .	4 hrs.	Chemistry 110 or 112 . . . . .	4 hrs.
Engineering Drawing 101 . . . . .	4 hrs.	Descriptive Geometry 102 . . . . .	4 hrs.
English 101 . . . . .	3 hrs.	English 102 . . . . .	3 hrs.
Physical Education . . . . .	1 hr.	Physical Education . . . . .	1 hr.

### Second Year

Mathematics 209	5 hrs.	Mathematics 210	5 hrs.
Chemistry 209	5 hrs.	Chemistry 203	5 hrs.
Physics 201	5 hrs.	Physics 202	5 hrs.
Physical Education	1 hr.	Physical Education	1 hr.

### Third Year

Differential Equations	3 hrs.	Analytic Mechanics	3 hrs.
Economics 201	3 hrs.	Economics 202	3 hrs.
Language or Approved Electives	4 hrs.	Language or Approved Electives	4 hrs.
(Industrial Chemistry Option)			
Organic Chemistry 304	5 hrs.	Organic Chemistry 306	3 hrs.
Physical Chemistry 311	3 hrs.	Physical Chemistry 312	3 hrs.
(Metallurgical Chemistry Option)			
Physical Chemistry 311	3 hrs.	Physical Chemistry 312	3 hrs.
Metallurgy 313	2 hrs.	Metallurgy 316	2 hrs.
(Mechanical and Electrical Option)			
Electricity 303	3 hrs.	Thermodynamics 308	3 hrs.
Electricity Lab. 305	2 hrs.	Electricity Lab. 306	2 hrs.

### Four-Year Engineering Course Leading To An A. B. Degree, Major in Chemistry

#### First Semester

#### First Year

#### Second Semester

Mathematics 111	2 hrs.	Mathematics 112	2 hrs.
Mathematics 103	3 hrs.	Mathematics 114	3 hrs.
Chemistry 109 or 111	4 hrs.	Chemistry 110 or 112	4 hrs.
Engineering Drawing 101	3 hrs.	Descriptive Geometry 102	4 hrs.
English 101	3 hrs.	English 102	3 hrs.
Physical Education	1 hr.	Physical Education	1 hr.

### Second Year

Calculus 209	5 hrs.	Calculus 210	5 hrs.
Chemistry 209	5 hrs.	Chemistry 203	5 hrs.
Physics 201	5 hrs.	Physics 202	5 hrs.
Physical Education	1 hr.	Physical Education	1 hr.

### Third Year

Differential Equations	3 hrs.	Analytic Mechanics	3 hrs.
Economics 201	3 hrs.	Economics 202	3 hrs.
Foreign Language	4 hrs.	Foreign Language	4 hrs.
Organic Chemistry 304	5 hrs.	Organic Chemistry 306	3 hrs.
Metallurgy 313	2 hrs.	Metallurgy 316	2 hrs.

### Fourth Year

Physical Chemistry 311	3 hrs.	Physical Chemistry 312	3 hrs.
Prin. of Chem. Eng. 325	3 hrs.	Prin. of Chem. Eng. 326	3 hrs.
Psychology 201	3 hrs.	Psychology 202	3 hrs.
Foreign Language	3 hrs.	Elective	3 hrs.
Elective	3 hrs.	Foreign Language	3 hrs.

**Four-Year Pre-Engineering Course Leading to an A. B. Degree,  
Major in Physics or Mathematics**

First Semester

Second Semester

**Freshman Year**

College Algebra 111 . . . . .	2 hrs.	College Algebra 112 . . . . .	2 hrs.
Trigonometry 103 . . . . .	3 hrs.	Analytic Geometry 114 . . . . .	3 hrs.
Chemistry 109 or 111 . . . . .	4 hrs.	Chemistry 110 or 112 . . . . .	4 hrs.
Engineering Drawing 101 . . . . .	4 hrs.	Descriptive Geometry 102 . . . . .	4 hrs.
English 101 . . . . .	3 hrs.	English 102 . . . . .	3 hrs.
Physical Education . . . . .	1 hr.	Physical Education . . . . .	1 hr.

**Sophomore Year**

Calculus 209 . . . . .	5 hrs.	Calculus 210 . . . . .	5 hrs.
Physics 201 . . . . .	5 hrs.	Physics 202 . . . . .	5 hrs.
Chemistry 209 . . . . .	5 hrs.	Chemistry 203 . . . . .	5 hrs.
Physical Education . . . . .	1 hr.	Physical Education . . . . .	1 hr.

**Junior Year**

Differential Equations . . . . .	3 hrs.	Analytic Mechanics . . . . .	3 hrs.
Electricity 303 . . . . .	3 hrs.	Thermodynamics 308 . . . . .	3 hrs.
Electricity Lab. 305 . . . . .	2 hrs.	Electricity Lab. 306 . . . . .	2 hrs.
Economics 201 . . . . .	3 hrs.	Economics 202 . . . . .	3 hrs.
Foreign Language . . . . .	3 or 4 hrs.	Foreign Language . . . . .	3 or 4 hrs.

**Senior Year**

Theory of Light or Vector Analysis . . . . .	3 hrs.	Modern Physical Theory or History of Mathematics . . . . .	3 hrs.
Surveying 211 . . . . .	2 hrs.	Surveying 212 . . . . .	2 hrs.
Psychology 201 . . . . .	3 hrs.	Psychology 202 . . . . .	3 hrs.
Foreign Language . . . . .	3 hrs.	Foreign Language . . . . .	3 hrs.
Electives . . . . .	5 hrs.	Electives . . . . .	5 hrs.

## MUSIC COURSE

Four-Year Music Course Leading to an A. B. Degree,  
with a Major in Music

## First Semester

Music 101	1 hr.
Music 103	2 hrs.
Applied Music	1½ hrs.
English 101	3 hrs.
Modern Language 101	4 hrs.
Biology 101 or 103	4 hrs.
Physical Education	1 hr.

## First Year

Music 102	1 hr.
Music 104	2 hrs.
Applied Music	1½ hrs.
English 102	3 hrs.
Modern Language 102	4 hrs.
Biology 102 or 104	4 hrs.
Physical Education	1 hr.

## Second Semester

## Second Year

Music 201	3 hrs.	Music 202	3 hrs.
Music 203	2 hrs.	Music 204	2 hrs.
Modern Language 203	3 hrs.	Modern Language 204	3 hrs.
History 101	3 hrs.	History 102	3 hrs.
Psychology 201	3 hrs.	Psychology	3 hrs.
Applied Music	1½ hrs.	Applied Music	1½ hrs.
Physical Education	1 hr.	Physical Education	1 hr.

## Third Year

Music 301	2 hrs.	Music 302	2 hrs.
Music 303	3 hrs.	Music 304	3 hrs.
Ethics or Philosophy	3 hrs.	History 303	3 hrs.
Applied Music	1½ hrs.	Applied Music	1½ hrs.
Electives	6 hrs.	Electives	6 hrs.

## Fourth Year

Music 401	3 hrs.	Music 402	3 hrs.
Applied Music	1½ hrs.	Applied Music	1½ hrs.
Electives	11 hrs.	Electives	11 hrs.

## PRE-MEDICAL COURSE

The minimum entrance requirements of schools of medicine of good standing are two years of college work. This work must include certain prescribed courses. Many schools require three years work for entrance; and some, the completion of the work for an A. B. degree before entering. A constantly increasing number of students, if not above the average age, are taking three years of college work, or meeting the requirements for an A. B. degree with four years work before entering a school of medicine.

Of the present class A medical schools, about twelve per cent require bachelor's degree for entrance. In twenty-two others, three years of college work is required. The student with only two or three years of college is much more limited in the number of medical schools for which he can qualify to enter.

Medical schools throughout the country are crowded, and only those students whose pre-medical work in college is of superior quality can expect to be admitted to any first class medical college.

The following four-year courses are suggested with the work so arranged that at the end of the school year the generally required pre-medical work on a two-year plan is met. It may be varied to meet the special requirements of any particular medical school which the student would desire to enter.

The student in following either of the courses outlined below, with a major in biology or a major in chemistry, should keep in mind the fact that a well balanced education is essential for the best advancement of a doctor in medicine. He should also keep in mind the additional fact that the science work lays an essential foundation for his advanced study.

### Four-Year Pre-Medical Course Leading to an A. B. Degree with a Major in Biology or Chemistry

#### First Semester

#### Second Semester

#### First Year

Botany 103 or Zoology 101 . . . 4 hrs.	Botany 104 or Zoology 102 . . . 4 hrs.
General Chemistry 109 or 111 . . . 4 hrs.	General Chem. 110 or 112 . . . 4 hrs.
English 101 . . . . . 3 hrs.	English 102 . . . . . 3 hrs.
French 101 or German 101 . . . 4 hrs.	French 102 or German 102 . . . 4 hrs.
Physical Education . . . . . 1 hr.	Physical Education . . . . . 1 hr.



### Second Year

Physiology 101 or Zool. 101	4 hrs.	Physiology 102 or Zool. 102	4 hrs.
Chemistry 209	5 hrs.	Chemistry 203	5 hrs.
French 201 or German 201	3 hrs.	French 202 or German 202	3 hrs.
Mathematics 111	2 hrs.	Mathematics 112	2 hrs.
Mathematics 103	3 hrs.	Electives	2 hrs.
Physical Education	1 hr.		

### Third Year

Organic Chemistry 205	3 hrs.	Bio. Chemistry 315	3 hrs.
Organic Chemistry Lab. 207	2 hrs.	Bio. Chemistry Lab. 317	2 hrs.
Embryology 204	4 hrs.	Bacteriology 205	4 hrs.
Physics 201	5 hrs.	Physics 202	5 hrs.
Elective	2 hrs.	Elective	2 hrs.

### Fourth Year

Economics 201	3 hrs.	Psychology 201	3 hrs.
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#### (Biology Option)

Biological Sciences	4 hrs.	Biological Sciences	4 hrs.
Elective	8 hrs.	Elective	8 hrs.

#### (Chemistry Option)

Chemistry 311	3 hrs.	Chemistry 312	3 hrs.
Mathematics 209	5 hrs.	Mathematics 210	5 hrs.
Elective	4 hrs.	Elective	4 hrs.

If only a two-year pre-medical course is planned, physics should be taken in the second year.

## PRE-NURSING COURSE

Beginning with the school year September, 1935, and in connection with The Youngstown Hospital School of Nursing, Youngstown College will offer an optional program to those applicants for nurse's training who are anxious to acquire a sound background for the nursing course, in addition to college credits.

The student will carry academic subjects to be studied entirely at Youngstown College during the first semester from September to February, thereby decreasing the theoretical load after the ward practice is begun with the second semester of the first year. The second semester's work will be done half at Youngstown College and half at the Youngstown Hospital.

Students taking this combined course will reside at home and attend classes as other college students until after June 1,

when they will live in the Nurses' Home, and become part of the active nursing staff.

This affiliation will increase the period of the nursing course approximately six months, but the student will be benefited in that she will have at the end of the calendar year, one year of college work and six months of practical hospital training.

### Pre-Nursing Course

#### First Semester

Chemistry 109 or 111	4 hrs.
Biology 101	4 hrs.
English 101	3 hrs.
Psychology 201	3 hrs.
Sociology 101	3 hrs.
Physical Education 103	1 hr.

#### Second Semester

Chemistry 110 or 112	4 hrs.
English 101	3 hrs.
Bacteriology 208	4 hrs.

## DEGREES CONFERRED, 1934

## Bachelor of Arts

Barker, William T., Jr.	North Lima
Brown, Olive L.	Hubbard
Cacceno, Arthur Paul	Youngstown
Crider, Ida Alice	Niles
Daniels, Mary Ellen	Youngstown
Donnan, Martha Jeanne	Youngstown
Fell, Howard Garver	Youngstown
Gambrel, Louis J.	Youngstown
Griffiths, John R.	Youngstown
Griffiths, Rachel Alice	Youngstown
Howell, Marian	Youngstown
Johnston, Thelma	Youngstown
Kunicki, Bennett W.	Campbell
Lehman, Clayton E.	Columbiana
Leidy, Grace Catherine	Youngstown
Leyshon, Randall Ford	Girard
McCandless, Donald A.	Farmdale
McDermott, Beatrice J.	Youngstown
McKay, Edward Drummond	Youngstown
Maine, Nicholas William	Youngstown
Malborn, Marjorie Florence	Youngstown
Malmer, Michael Martin	Youngstown
Miller, Alberta Madelyne	Farrell, Pa.
Morrow, Francis James	Farmdale
Muldoon, Emily Gettins	Youngstown
O'Connor, John P.	Youngstown
Paddock, Edwin E.	Youngstown
Phillips, James E.	Mineral Ridge
Ramage, Russell G.	Youngstown
Rosapepe, Joseph Shirkes	Youngstown
Rubeck, Anne	Youngstown
Rudibaugh, John Franklin	Youngstown
Shermer, Robert Emanuel E.	Youngstown
Showalter, Lillian	Youngstown
Smith, Rosa E.	Youngstown
Thompson, Edwin R.	Youngstown
Turner, Mary R.	Youngstown
Walker, Irene Elizabeth	Youngstown
Walker, Paul Bryerly	Youngstown
Welsh, Edward F.	Youngstown

## Bachelor of Laws

Cain, Hayden D.	Youngstown
Griffiths, Alvin James	Youngstown
Johnson, Andrew L.	Youngstown
Kretzer, Irwin I.	Youngstown
Mika, Felix S.	Youngstown

## Title of Associate in Business Administration

Baldwin, Alvin Sam	Youngstown
Brown, Wilbur Thomas	Youngstown
Higgins, Thomas A.	Youngstown
Hone, Thomas	Girard

## REGISTER OF STUDENTS

1934-1935

## Freshmen

Allen, Sally, Struthers  
 Anderson, Robert, Youngstown  
 Barlett, John, Campbell  
 Bashur, Reginald, Niles  
 Baughman, William, Youngstown  
 Bernat, Leo, Youngstown  
 Black, Luke, Hubbard  
 Brittain, Helen, Youngstown  
 Brownlee, Ruth, Youngstown  
 Burton, Elizabeth, Youngstown  
 Cardelein, John, Youngstown  
 Centrelo, Joe, Youngstown  
 Chirelli, Gene, Youngstown  
 Collins, Tom, Youngstown  
 Conner, Carl, Youngstown  
 Conti, Roger, Lowellville  
 Cook, Josephine, Kansas  
 Costarella, Adam, Girard  
 Creed, Mabel, Youngstown  
 Cullen, Joseph, Youngstown  
 Dahlgren, Gail, Youngstown  
 Daly, Julian, Youngstown  
 Davies, Robert, Youngstown  
 Davis, Elmer, Youngstown  
 Davis, Zylpha, Youngstown  
 Degnan, William, Youngstown  
 Detwiler, Fred, Columbiana  
 Devine, Derwent, Struthers  
 Devine, Syllanus, Struthers  
 Dignan, Mary F., Youngstown  
 Dominic, Anthony, Hubbard  
 D'Orsi, Albert, Youngstown  
 D'Ovidio, Mary A., Youngstown  
 Dupuy, William, Youngstown  
 Elser, Galen, North Lima  
 Erwin, William, Youngstown  
 Estes, Harold, Youngstown  
 Filip, Vincent, Youngstown  
 Foshier, Fred, McDonald  
 Fontaine, Thomas, Youngstown  
 Frank, Melvin, Youngstown  
 Froom, Minerva, Youngstown  
 Fusco, Josephine, Youngstown  
 Gambrel, Frank, Youngstown  
 Gardner, Sarah, Campbell  
 Gill, Marian, Youngstown  
 Gill, Ruth, Youngstown  
 Glasgow, Jean, Youngstown  
 Goldcamp, Edna, Youngstown  
 Gough, Rebecca, Struthers  
 Grant, Nellie, Youngstown  
 Green, Henry, Scienceville  
 Groves, Margaret, Youngstown  
 Haber, Martin, Youngstown  
 Halls, Harold, Youngstown  
 Hamman, George, Youngstown  
 Hammitt, Clark, Youngstown  
 Hardy, Al, Youngstown  
 Harrell, Edith, Warren  
 Harris, John, Youngstown  
 Hedrick, Norma, Youngstown  
 Heslov, Bernice, Youngstown  
 Hoskinson, Morris, Mineral Ridge  
 Husic, William, Youngstown  
 Jaceko, Frank, Youngstown  
 Jaffee, Myron, Youngstown  
 James, Mary, Youngstown  
 Johnson, Annabell, Youngstown  
 Jones, Jean, Youngstown  
 Jones, Rosina, Warren  
 Keckley, Virginia, Youngstown  
 Keltz, Edward, Youngstown  
 Kidston, Ward, Youngstown  
 Kile, Betty, Struthers  
 Kirby, Ella, Youngstown  
 Kirkner, Janet, Youngstown  
 Kirkner, Rita, Youngstown  
 Kirkpatrick, William, Youngstown  
 Kulpik, Elsie, Youngstown  
 Kopicenski, Francis, Youngstown  
 Krichbaum, Marjorie, Youngstown  
 Krivan, John, Youngstown  
 Kulikoff, Natban, Youngstown  
 Kurjan, Harold, Youngstown  
 Kuchtyn, Walter, Youngstown  
 Laakso, Celia, Youngstown  
 Ladd, Cherrie, Youngstown  
 Lebio, Joseph, Youngstown  
 Leidy, James, Youngstown  
 Leonard, Osborne, Poland  
 Leone, Louis, Youngstown  
 Liebau, Johana, Youngstown  
 Litvin, William, Youngstown  
 Logan, John, Youngstown  
 Logan, Victor, Kinsman  
 Love, Harry, Youngstown  
 McCauley, William, Youngstown  
 McCracken, George, Youngstown  
 McCorkle, Jean, Warren  
 McDowell, Paul, Youngstown  
 McIntire, Jean, Struthers  
 McMaster, William, Youngstown  
 Madjerick, Mary, Campbell  
 Maloney, Paul, Youngstown  
 Margo, Madeline, Youngstown  
 Matosich, Charles, Youngstown  
 Meshot, Genevieve, Youngstown  
 Meysenburg, Dee, Detroit, Michigan  
 Middleton, John, Youngstown  
 Miller, Owen, Youngstown  
 Mirkin, Minnie, Youngstown  
 Molnar, Otto, Sharon, Pa.  
 Monahan, Ann, Girard  
 Moran, Rosemary, Youngstown  
 Morrow, Carl, Youngstown  
 Mrmosh, Mike, Youngstown  
 Nerone, Albert, Campbell  
 Ovenmoyer, Earl, Youngstown  
 O'Neil, Edward, Youngstown  
 Orosz, Frank, Youngstown  
 Patrick, James, Youngstown  
 Paugh, John, Youngstown  
 Penfield, Mary L., Youngstown  
 Peters, Carolyn, Youngstown  
 Petite, Dan, Youngstown  
 Pond, Lois, Youngstown  
 Pound, William, Youngstown  
 Ray, Robert, Youngstown  
 Rempes, Howard, Youngstown  
 Richards, William, Youngstown  
 Roberts, Edward, Youngstown  
 Roberts, Thompson, Struthers  
 Robinson, Joseph, Youngstown  
 Robinson, Romeo, Youngstown  
 Robinson, Thomas, Youngstown  
 Rosapepe, Rose, Youngstown  
 Rossano, Anthony, Struthers  
 Rukenbrod, Jane, Youngstown  
 Sahli, Howard, North Lima  
 Sally, Joseph, Youngstown  
 Sample, LaVerne, Youngstown  
 Sanders, John, Youngstown  
 Sanderson, Glen, Youngstown  
 Seabrooks, Ruth, Youngstown  
 Scanlon, Dorothy, Youngstown  
 Schaffer, Jack, Youngstown

## Freshmen (Continued)

Seherer, Robert, Niles  
 Scott, Frank, Youngstown  
 Schume, John, Youngstown  
 Shaw, James, Brookfield  
 Shears, Dale, Struthers  
 Shively, Walter, Mineral Ridge  
 Shorten, Arthur, Youngstown  
 Siman, John, Youngstown  
 Sitts, Mavis, Niles  
 Smith, Marian, Youngstown  
 Snow, Marvin, Youngstown  
 Snyder, Paul, Sharon  
 Spirtos, Jack, Campbell  
 Spotts, Anthony, Youngstown  
 Sprinkle, Clark, Youngstown  
 Stine, Charles, Youngstown  
 Stone, Jayne, Youngstown  
 Stevens, Paul, Youngstown  
 Swantsweller, Ernest, Youngstown  
 Taiclet, Louise, Brookfield  
 Taylor, Allan, N. Braddock, Pa.

Taylor, Robert, Youngstown  
 Thimmes, Leonard, Youngstown  
 Thimmes, Neil, Youngstown  
 Thomas, J. A., Youngstown  
 Thrasher, Laura, Youngstown  
 Tietz, Muriel, Youngstown  
 Treffert, Fay, Niles  
 Ventresco, Piercy, Lowellville  
 Walker, Bill, Youngstown  
 Washington, Regina, Youngstown  
 Weir, Robert, Warren  
 Wells, William, Youngstown  
 Westfall, Rebekah, Niles  
 Wicks, Harold, Youngstown  
 Wighton, Marjorie, Youngstown  
 Wilcox, Churchill, Youngstown  
 Williams, Evan, Youngstown  
 Williams, Gomer, Youngstown  
 Yurchison, Katherine, Lowellville  
 Zoss, Nill, Youngstown

## Sophomores

Agey, Mary Jane, Youngstown  
 Alburn, Harvey, Youngstown  
 Axelson, Marion, Niles  
 Balla, William, Youngstown  
 Bare, Charles, Youngstown  
 Bender, Ted, Youngstown  
 Black, Luke, Hubbard  
 Bowers, Ethel, Youngstown  
 Brentin, Nicholas, Bessemer, Pa.  
 Brooks, Gordon, Niles  
 Brooks, Howard, Youngstown  
 Brownlee, Catherine, Youngstown  
 Budak, Lewis, Youngstown  
 Chizmar, John, North Jackson  
 Conway, Emmett, Struthers  
 Conway, Errett, Struthers  
 Cossack, Leda, Youngstown  
 Cronan, Theresa, Poland  
 Daly, William, Youngstown  
 Devine, Dennis, Struthers  
 Dustman, Charlotte, Youngstown  
 Eckman, Claude, New Middleton  
 Estulin, Abe, Youngstown  
 Evans, Frank, Youngstown  
 Faras, Gus, Youngstown  
 Fiecs, Max, Youngstown  
 Fisher, Joseph, Lowellville  
 George, Jessie, West Middlesex, Pa.  
 Geesman, Eloise, Youngstown  
 Graneto, Laura, Youngstown  
 Hardy, Al, Youngstown  
 Hart, Lois, Youngstown  
 Holz, Theodore, Youngstown  
 Hoover, Dallas, Youngstown  
 Hower, Wayne, Warren  
 Hutzen, Howard, Youngstown  
 Inglis, Florence, Youngstown  
 James, Paul, Youngstown  
 Johnson, Helen, Youngstown  
 Joyce, Esther, Youngstown  
 Kennedy, Harold, Youngstown  
 Knittel, Carl, Youngstown  
 Knox, Caroline, Youngstown  
 Kopp, Tabe, Youngstown  
 Lackey, William, Youngstown  
 Laracco, Julia, Campbell  
 Lucarell, Rocco, Youngstown  
 McCarthy, Morton, Youngstown  
 McCullough, Donald, Poland

McNicholas, Henry, Youngstown  
 McNicholas, Paul, Youngstown  
 Malmer, Ann, Youngstown  
 Malys, Stanley, Campbell  
 Miller, Alex, Youngstown  
 Moench, Phyllis, Youngstown  
 Mogan, George, Youngstown  
 Moore, Ted, Youngstown  
 Muretic, Mathew, Campbell  
 Opritza, Daniel, Youngstown  
 Orsary, Val, Youngstown  
 Osiniak, Paul, Youngstown  
 Osiniak, Sophie, Youngstown  
 Pattan, Stewart, North Jackson  
 Paul, Georgia, Youngstown  
 Pear, Violet, Youngstown  
 Price, Vivian, Youngstown  
 Radcliffe, Maurice, Warren  
 Rinaldo, Samuel, Youngstown  
 Rodger, Eleanor, Youngstown  
 Rosapepe, Jack, Youngstown  
 Rummell, June, Youngstown  
 Sabatino, Constance, Youngstown  
 Scali, John, Youngstown  
 Schuller, George, Youngstown  
 Smith, James, Youngstown  
 Sondecker, Louis, Youngstown  
 Stamper, Charlotte, Struthers  
 Strain, Mildred, Struthers  
 Tartan, Elvira, Youngstown  
 Thomas, Helen, Youngstown  
 Todd, Henry, Columbiana  
 Tourje, Orville, Youngstown  
 Tucciarone, Mamie, Hubbard  
 Turley, Alvin, Girard  
 Ungar, William, Youngstown  
 Vansuch, Paul, Campbell  
 VanWinkle, Jane, Youngstown  
 Volk, Ann, Youngstown  
 Walker, Clarabelle, Youngstown  
 Walko, Elizabeth, Youngstown  
 Weber, Alberta, Youngstown  
 Welch, Ludt, Youngstown  
 Welther, William, Youngstown  
 Wighton, Laura Belle, Youngstown  
 Wike, Eleanor, Youngstown  
 Williams, Nathaniel, Youngstown  
 Wright, Ruth, Lowellville  
 Zachman, Esther, Girard

## Juniors

Ahrams, Alyce, Hubbard  
 Aley, Robert, Youngstown  
 Andrews, George, Youngstown  
 Bagnall, Marietta, Youngstown  
 Best, William, Youngstown  
 Boccia, Ralph, Niles  
 Bothwell, Mildred, Youngstown  
 Boylan, Mary, Struthers  
 Button, Alfred, Youngstown  
 Chappel, Winnifred, Burghill  
 Creed, Helen, Hubbard  
 Dean, Edna, Girard  
 D'Onofrio, Michael, Youngstown  
 Gambrel, Mary, Youngstown  
 Gogesh, Matilda, Campbell  
 Gulfo, Frank, Youngstown  
 Hanelin, Miriam, Youngstown  
 Hawkins, Erma, Canfield  
 Herald, Jack, Youngstown  
 Herr, Julia, Youngstown  
 Humphrey, Edward, Youngstown  
 Kenaston, Herbert, Youngstown  
 Kirkner, William, Youngstown

Lewis, Robert, Niles  
 Lynch, Jack, Youngstown  
 McDonald, Thomas, Hubbard  
 Margo, Joseph, Youngstown  
 Marshall, Julia, Youngstown  
 Maze, Guyla, Youngstown  
 Michael, Albert, Warren  
 Morris, Jerry, Youngstown  
 Plegar, Mary L., Campbell  
 Pater, Aurelia, Campbell  
 Powers, Gene, Canfield  
 Reid, Jean, Youngstown  
 Robinson, Helen, Hubbard  
 Roming, Fred, Warren  
 Schoenhard, George, Youngstown  
 Shaw, Lois, Youngstown  
 Smith, Earl, Youngstown  
 Snyder, Helene, Girard  
 Wagner, Stewart, Youngstown  
 Whitsett, John, Youngstown  
 Wildman, Glen, Niles  
 Yaeschko, Joseph, New Middletown

## Seniors

Aley, Howard, Youngstown  
 Barnes, Grace, Youngstown  
 Bayowski, Emil, Mineral Ridge  
 Boyce, Donald, Negley  
 Bush, Betty, Youngstown  
 Button, Elizabeth, Youngstown  
 Caggiano, Vincent, Youngstown  
 Campbell, George, Youngstown  
 Codrea, Raymond, Youngstown  
 Cooper, David, Youngstown  
 Davis, Lawrence, Youngstown  
 DelBene, Frank, Girard  
 Dolak, Ann, Youngstown  
 Donahue, John L., Youngstown  
 D'Zuroff, Stephen, Youngstown  
 Elser, Donald, North Lima  
 Friedrich, Marguerite, Youngstown  
 Halferty, Arthur, Youngstown  
 Hercules, Mary, Youngstown  
 Holley, Raymond, Youngstown  
 Howalt, Ida Belle, Youngstown  
 Johnson, William, Lowellville  
 Jones, Grace, Youngstown  
 Julius, Albert, Youngstown  
 Keister, Alden, Youngstown  
 Lash, Nellie, Youngstown  
 Lyden, Coletta, Youngstown  
 McCorkle, Lloyd, Warren

McDonald, William, Hubbard  
 McFarland, Fred, Youngstown  
 McKnight, Freda, Youngstown  
 McLaughlin, Emily, Mrs., Youngstown  
 Miglause, John, Lowellville  
 Morris, Helen, Youngstown  
 Morrison, Margaret, Youngstown  
 Mulcahy, Charles, Youngstown  
 Nolan, Helen, Youngstown  
 Pose, Isaac, Sharon, Pa.  
 Price, Eunice, Youngstown  
 Probst, William, Youngstown  
 Raupple, John, Youngstown  
 Rice, Sue, Youngstown  
 Rich, James, Campbell  
 Riddle, Evelyn, Youngstown  
 Roemer, John, Struthers  
 Rowland, Fred, Youngstown  
 Scarnecchia, Teresa, Youngstown  
 Snyder, Carl, Sharon, Pa.  
 Steele, Frances, Lowellville  
 Sullivan, Robert, Youngstown  
 Terlecki, John, Youngstown  
 Welsh, Mary C., Youngstown  
 Wike, Hazel, Youngstown  
 Williams, James, Youngstown  
 Zhuck, Ann, Youngstown

## Law

Baldwin, Alvin, Youngstown  
 Best, William, Youngstown  
 Brady, E. B., Youngstown  
 Brown, William, Youngstown  
 Connor, Tom, Youngstown  
 Coy, Louise, Youngstown  
 Daugherty, Paul, Youngstown  
 Donahue, John, Youngstown  
 Goldblott, Louis J., (Dr.) Youngstown  
 Grosser, Adelbert, Youngstown  
 Heller, Robert, Warren  
 Helper, Kenneth, Youngstown  
 Higgins, Thomas, Youngstown  
 Humphrey, Edward, Youngstown  
 Kendall, Herbert, Youngstown  
 Kryzan, Frank, Youngstown  
 Leach, Raymond, Warren

Levy, William, Youngstown  
 McCracken, Chester, Youngstown  
 McDonald, Thomas, Hubbard  
 Marowitz, Albert, Warren  
 Mastriana, Anne, Poland  
 Owen, John, Youngstown  
 Reich, David, Youngstown  
 Rickert, A. Harold, Youngstown  
 Russert, Harold, Youngstown  
 Shields, Ina, New Castle, Pa.  
 Shields, Lyle, New Castle, Pa.  
 Sullivan, Robert, Youngstown  
 Thoman, Albert, Columbiana  
 Walker, Paul, Youngstown  
 Walters, Roy, Youngstown  
 West, Arthur, Youngstown

## Post Graduates

Butler, Franklin, Youngstown

Bode, Herman, Youngstown

Catherman, Clair, Poland

## Irregular

Barrett, Joseph, Youngstown  
 Brice, Ethel, Youngstown  
 Brown, William, Diamond  
 Griffith, James, Youngstown  
 Habuda, Arnold, Youngstown  
 Jones, Russell, Youngstown  
 Jones, Ruth E., Girard  
 Knuff, Carmelita, Youngstown  
 McIntosh, Donald, Youngstown

Miller, Glen, Niles  
 Sell, Christine, Youngstown  
 Tod, Donald, Youngstown  
 Trikilis, Emmanuel, Youngstown  
 Ventresco, Concezio, Youngstown  
 Vlaicu, Helen, Youngstown  
 Whelan, Dorothy, Youngstown  
 Wolfe, Leonard, Bessemer, Pa.

## Evening School Students

Abramovitz, Ben, Youngstown  
 Albrecht, Fred, Campbell  
 Allison, John, Youngstown  
 Anderson, Mabel, Girard  
 Andrews, Robert, Youngstown  
 Arnold, Geraldine, Youngstown  
 Atkinson, Mabel, New Castle, Pa.  
 Averbach, Abe, Youngstown  
 Ayers, Howard, Youngstown  
 Badal, Sarah, Lowellville  
 Bachop, William, Youngstown  
 Bailey, Gilbert, Youngstown  
 Bailey, J. L., Newton Falls  
 Baker, Edna, Niles  
 Bair, Twila, Youngstown  
 Bamak, Ann, Youngstown  
 Barker, Edward, Youngstown  
 Barr, Edward, Youngstown  
 Barr, Glenetta, Youngstown  
 Barton, Wilfred, Youngstown  
 Baugh, Harry, Youngstown  
 Beckman, Kenneth, Hubbard  
 Belkin, Rose (Mrs.), Youngstown  
 Beers, Eleanor, Youngstown  
 Bentfield, Frederick, Youngstown  
 Beever, Grace, Youngstown  
 Biddlestone, William, Warren  
 Blair, James, Youngstown  
 Birath, Louis, Youngstown  
 Boulwear, C. T. (Mrs.), Youngstown  
 Bouslough, Clarence, Youngstown  
 Bower, Marian, Youngstown  
 Boyd, Robert, Youngstown  
 Bremer, Jonas, Youngstown  
 Brennen, Edward, Youngstown  
 Brenner, Paul (Mrs.), Youngstown  
 Brenner, William, Youngstown  
 Brice, Ethel, Youngstown  
 Brincko, Katherine, Youngstown  
 Brown, Carl (Mrs.), Youngstown  
 Brown, Walter, Youngstown  
 Buchanan, Louise, Youngstown  
 Buday, John, Sharon, Pa.  
 Burkhouse, James, Sharon, Pa.  
 Burton, Ray, Youngstown  
 Bryan, Joseph, Youngstown  
 Caddick, Richard, Youngstown  
 Calior, Harry, Youngstown  
 Calvin, Arthur, Warren  
 Campbell, Jean, Youngstown  
 Carney, Tom, Youngstown  
 Centofanti, Frank, Youngstown  
 Chance, Daniel, Niles  
 Chazanoff, Annabelle, Youngstown  
 Ciolli, Carmen, Youngstown  
 Coalner, Elizabeth, Youngstown  
 Coblenz, L. A., Warren  
 Comstock, Edna, Youngstown

Cooper, Algeo, Youngstown  
 Cooper, Mary Ina, Struthers  
 Coril, Edward, Youngstown  
 Costello, Catherine, Youngstown  
 Cox, Ase, Youngstown  
 Cozza, James, Youngstown  
 Craig, R. D., Youngstown  
 Crawford, Elizabeth, Youngstown  
 Crumpton, E. R. (Mrs.), Youngstown  
 Culcasi, James, Sharon, Pa.  
 Gunningham, C. W., Youngstown  
 Curry, John, Hubbard  
 Dambrozio, James, Campbell  
 Davies, Altha, Niles  
 Davies, Martha, Hubbard  
 Davis, Frank, Sharon, Pa.  
 DeCarlo, John, Youngstown  
 Dell, Edward, Youngstown  
 Dennison, Martha, Youngstown  
 Deuberry, Paul, Girard  
 Dewoody, Garnett, Youngstown  
 Diaconow, Michael, Youngstown  
 Diamondstern, Isadore, Youngstown  
 Dickson, Mae, Youngstown  
 Dillon, Ralph, Youngstown  
 Dolenic, Michael, Youngstown  
 Donahue, Ed., Youngstown  
 Downie, Jane, New Wilmington, Pa.  
 Downing, Margaret, Youngstown  
 Duck, Anna (Mrs.), Niles  
 Eagleton, Mary, Youngstown  
 Eberhart, Louise, Youngstown  
 Eckert, Wilford, Youngstown  
 Eichorn, Alice, Youngstown  
 Elk, Margaret, Masury  
 Elliott, Sam, Youngstown  
 Entzi, Andrew, Youngstown  
 Erzovetz, Bess, Youngstown  
 Evans, Flora, Youngstown  
 Evans, William, Sharon, Pa.  
 Farrell, Jane, Youngstown  
 Farvell, Dorothy, Warren  
 Fedash, Helen, Youngstown  
 Feinstein, Joseph, Youngstown  
 Fisher, Edward, Youngstown  
 Flowers, Mathew, Youngstown  
 Frankle, Marvin, Youngstown  
 Freed, Virgil, Youngstown  
 Gardner, Ruth, Youngstown  
 Garnet, Peter, Youngstown  
 Garrett, Zella, Girard  
 Gayton, Oscar (Mrs.), Youngstown  
 Gayton, Oscar, Youngstown  
 Gessaman, Dorothy, Youngstown  
 Gifford, William, Youngstown  
 Gilboy, Jack, Youngstown  
 Glass, William, Campbell  
 Golomb, Ben, Youngstown



## Evening School Students (Continued)

Gould, Joseph, Campbell  
 Greenberg, Raymond, Youngstown  
 Greenwood, Samuel, Youngstown  
 Grey, John, Youngstown  
 Griffith, William, Youngstown  
 Gruneswald, John, New Bedford, Pa.  
 Gue, Myrtle, Struthers  
 Gundry, Howard, Youngstown  
 Guttridge, Louis, Youngstown  
 Hackett, Donald, Girard  
 Hake, Lillian, Youngstown  
 Hall, Frances, Hubbard  
 Hall, Helen, Youngstown  
 Hall, Jane, Youngstown  
 Halstead, Robert, Youngstown  
 Hamilton, Mary, Youngstown  
 Hammer, W. C., Youngstown  
 Hancome, Russell, Youngstown  
 Harkowitz, Louis, Youngstown  
 Hathaway, Richard, Youngstown  
 Hensley, John, Youngstown  
 Hedland, Elva, Youngstown  
 Heinselman, David, Youngstown  
 Higgins, Thomas, Youngstown  
 Hoehle, Harry, Youngstown  
 Hofmeister, Russell, Youngstown  
 Hofmeister, Catherine, Youngstown  
 Hogg, Malcolm, Youngstown  
 Holliday, Annette, Campbell  
 Holliday, Michael, Youngstown  
 Hone, Thomas, Girard  
 Hoover, Marian, Youngstown  
 Hopkins, Ethel, Youngstown  
 Holson, Alice, Youngstown  
 Humphrey, Tom, Youngstown  
 Hunsinger, Al, Youngstown  
 Hure, Paul, Youngstown  
 Isaacs, Sam, Youngstown  
 Inglis, Lorena, Youngstown  
 Jenkins, Vera, Youngstown  
 Jewell, Eleanor, Girard  
 Johnson, Edith, Youngstown  
 Jones, Edmund, Youngstown  
 Jones, E. B., Sharon, Pa.  
 Jones, Grace, Youngstown  
 Jones, Robert, Youngstown  
 Jones, Sylva, Youngstown  
 Karr, Nicholas, Youngstown  
 Katsaras, Peter, Campbell  
 Keefer, Ivan, Youngstown  
 Kelley, Kenneth, Salem  
 Kenekis, Florence, Struthers  
 Kirkner, Norbert, Youngstown  
 Klempay, Ray, Youngstown  
 Kollmann, William, Youngstown  
 Konrad, Joseph, Girard  
 Knight, Philip, Sharon, Pa.  
 Koexur, John, Girard  
 Korts, M. C., Youngstown  
 Kovach, Dazo, Campbell  
 Kovach, John, Struthers  
 Kritter, Robert, Youngstown  
 Kruger, Lewis, Youngstown  
 Lampilla, Albert, Warren  
 Lancaster, Elmer, Youngstown  
 Lane, Lester, Youngstown  
 Laughlin, Edward, Youngstown  
 LaVoo, William, Warren  
 Leach, Donald, Youngstown  
 Leach, Hazel, (Mrs.), Youngstown  
 Lee, Lucille, Youngstown  
 Leedy, Jane, Youngstown  
 Lindberg, Carl, Youngstown  
 Lindsay, Sadie, Struthers  
 Lisby, Bernard, Warren  
 Loftus, R. J., Youngstown  
 Losh, Nellie, Youngstown  
 Lowry, Robert, Warren  
 Lyden, William, Youngstown  
 McBain, W. C., Youngstown  
 McCaffery, F., Youngstown  
 McComas, Luella, Youngstown  
 McClure, Kennedy, Poland  
 McCracken, Chester, Youngstown  
 McInerney, K. M., Niles  
 McNicholas, Edna, Youngstown  
 McPhee, Mary, Youngstown  
 Magnotto, Leonard, Farrell, Pa.  
 Mahoney, William, Youngstown  
 Malmer, Lottie, (Mrs.), Youngstown  
 Malmer, Michael, Youngstown  
 Maphis, William, Youngstown  
 Maro, Michael, Youngstown  
 Marsteller, Robert, Youngstown  
 Mastran, Donald, Youngstown  
 Matelskey, Mary J., Youngstown  
 Mayer, Leon, Youngstown  
 Mealy, David, Girard  
 Meehan, James, Lowellville  
 Mele, Patrick, Youngstown  
 Milleysack, J. B., Youngstown  
 Miller, Glen, Youngstown  
 Miskell, George, Youngstown  
 Moore, Charles, Sharon, Pa.  
 Moore, John, Youngstown  
 Moran, Arthur, Youngstown  
 Morris, Louise, Youngstown  
 Morris, Melisa, Youngstown  
 Morton, Harlan, Youngstown  
 Mouery, Ralph, Youngstown  
 Mounts, Daniel, Youngstown  
 Muepfer, John, Youngstown  
 Murray, Lorretta, Youngstown  
 Myerhoefer, Fred, Canfield  
 Myers, S. L., Youngstown  
 Nagy, Andrew, Youngstown  
 Neff, Martin, Canfield  
 Nemeth, Mary, Youngstown  
 Neuman, Henry, Youngstown  
 Nimmer, Joseph, Youngstown  
 Norling, Charles, Girard  
 Norling, Ralph, Girard  
 Norling, Victor, Girard  
 Nuth, James, Youngstown  
 O'Brien, Andrew, Youngstown  
 Oekerman, George, Youngstown  
 Osiniak, Emily, Youngstown  
 Paris, Ronald, Youngstown  
 Perkins, Willis, Youngstown  
 Petit, Marie, Warren  
 Phelan, William, Sharon, Pa.  
 Polonsky, Nathan, Youngstown  
 Porter, R. L., Youngstown  
 Prior, Grenfell, Youngstown  
 Pritchard, Thomas, Girard  
 Proctor, Edward, Youngstown  
 Pusser, Elizabeth, Youngstown  
 Purdee, Emily, Youngstown  
 Reckley, Marie, Youngstown  
 Reeser, Ann, Masury  
 Reeves, Florence, Youngstown  
 Reinhardt, Irene, Youngstown  
 Rice, Elizabeth, Youngstown  
 Rice, Sue, Youngstown  
 Richards, W. E., Youngstown  
 Richards, James, Youngstown  
 Richardson, R. N., Youngstown  
 Rinko, William, Youngstown  
 Ritchie, Sophie, Youngstown  
 Rock, Ann, Hubbard  
 Rogan, John, Youngstown  
 Rosapepe, Joseph, Youngstown  
 Rose, Herbert, Youngstown  
 Rose, Flora, Youngstown  
 Roth, Pauline, Niles  
 Rudick, Lawrence, Youngstown



## Evening School Students (Continued)

Sabo, Jean, Farrell, Pa.	Swider, Joseph, Youngstown
Saunders, John, Youngstown	Syak, Charles, Girard
Schaeffer, J. J., Youngstown	Tassone, James, Youngstown
Schuller, Mary, Youngstown	Taylor, John, Salem
Schwartz, Helen, Youngstown	Terbot, William, Youngstown
Scully, Mary, Youngstown	Terry, John, Youngstown
Shawitz, Dorothy, Youngstown	Terry, William, Youngstown
Shaner, L. E., (Mrs.), Youngstown	Thomas, Alice, Youngstown
Shindlecker, Dean, Youngstown	Thomas, Dick, Youngstown
Sherfel, Karl, Youngstown	Thomas, R. E., Youngstown
Shields, Lysle, New Castle, Pa.	Thompson, Ernest, Pulaski, Pa.
Shields, Paul, Youngstown	Thorne, Charles, Youngstown
Shilling, Ray, Youngstown	Thrasher, William, Youngstown
Shook, Donald, Youngstown	Trunk, James, Youngstown
Shook, Loretta, Youngstown	Tobias, Pansy, Youngstown
Siefert, Eileen, Youngstown	Tochman, Thomas, Youngstown
Sieman, Harold, Warren	Trigg, Ralph, Youngstown
Simcox, Gordon, Youngstown	Turner, James, Youngstown
Slavin, Morris, Youngstown	Turner, Mary, Youngstown
Smith, Burton, Youngstown	Walsh, Carl, Youngstown
Smith, Thomas, Youngstown	Walter, R. C., Youngstown
Smith, Virginia, Youngstown	Watkins, Laura, Youngstown
Snyder, Donald, Hubbard	Watrous, Herbert, Girard
Solomon, John, Youngstown	Watson, F. D., Youngstown
Somatic, John, Wheatland, Pa.	Welsh, Ed., Youngstown
Sontag, Edward, Youngstown	Whelan, Margaret, Youngstown
Stark, John, Youngstown	White, Justina, Youngstown
Stansbury, Francis, Youngstown	Whitmore, Hazel, Youngstown
Stearns, Henry V., (Mrs.), Youngstown	Williams, Vern, Struthers
Stephens, Kathryn, Youngstown	Wilson, Chalmers, Youngstown
Stillwagon, Mildred, Youngstown	Wilson, Howard, (Mrs.), Youngstown
Stinework, Mildred, Niles	Woyeicka, Ann, Youngstown
Stone, Mark (Mrs.), Youngstown	Zarlengo, Patsy, Youngstown
Stonework, Edward, Youngstown	Zedacher, W. L., Warren
Strait, Dennis, Youngstown	Zeigler, Charles, Youngstown
Sturr, Irene, Youngstown	Yohn, Jack, Youngstown
Swaney, George, Warren	

## SUMMARY OF STUDENTS

FOR THE YEAR 1934-1935 .....	.....
Freshman .....	188
Sophomores .....	98
Juniors .....	45
Seniors .....	55
Law .....	33
Evening Students .....	345
Post Graduates .....	3
Irregular .....	17

**SUMMER SESSION**

Youngstown College holds a nine-week Summer Session each summer. Courses are offered in Science, Education, English, Modern Language, Mathematics, Philosophy, Psychology, History, Economics, Political Science, and Sociology. Both day and evening classes are available. A student may complete nine semester hours of credit.

..... **PRELIMINARY APPLICATION** .....

I wish to make preliminary application for admission to the class entering Youngstown College September, 1935.

I am a member of the class graduating from \_\_\_\_\_

\_\_\_\_\_ High School \_\_\_\_\_, 193\_\_\_\_\_

with approximately the following work:

<i>Subject</i>	<i>Units</i>
English	_____
History and Civics	_____
Algebra	_____
Geometry	_____
Science	_____
Foreign Language	_____
Miscellaneous	_____

Please send me an official entrance blank.

Signed \_\_\_\_\_

Address \_\_\_\_\_

(Mail the application to the Registrar)

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# Youngstown College

1936-1937

