

BULLETIN OF  
**Youngstown  
College**

ANNUAL CATALOGUE  
1932-1933

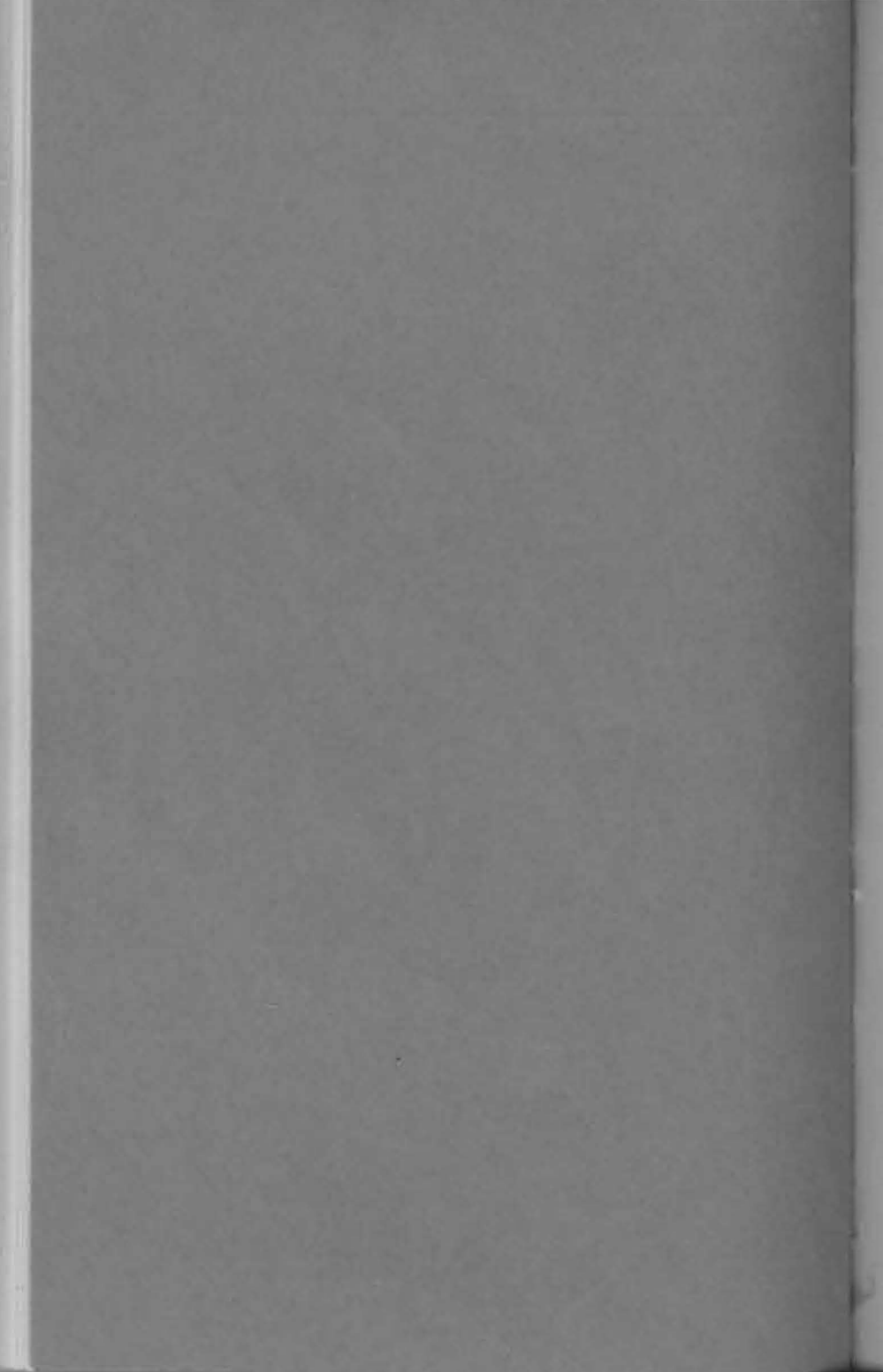
CO-EDUCATIONAL



410 WICK AVENUE  
YOUNGSTOWN, OHIO

**Young Men's Christian Association**

VOL. 1, JUNE, 1932 - No. 1



BULLETIN OF

# Youngstown College

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410 WICK AVENUE  
YOUNGSTOWN, OHIO

**Young Men's Christian Association**

VOL. 1, JUNE, 1932 — No. 1

Application Pending for Second Class Entry at Youngstown, Ohio, Post Office

## BOARD OF TRUSTEES

### The Young Men's Christian Association

To be elected.....	President
Philip Wick.....	1st Vice President
Walter S. Goode.....	2nd Vice President
W. E. Bliss.....	3rd Vice President
Philip H. Schaff.....	Treasurer
W. J. Gutknecht.....	Assistant Treasurer
J. Russell McKay.....	Recording Secretary
Leonard T. Skeggs.....	General Secretary

Myron Arms, II

J. C. Barrett

L. A. Beeghly

R. M. Bell

J. Eugene Bennett

J. Fearnley Bonnell

George C. Brainard

Dr. W. H. Bunn

W. C. Conger

C. N. Crandall

B. F. Fairless

N. B. Folsom

W. D. Griffith

F. E. Hearn

James A. Henderson

H. M. Hurd

Claud J. Johnson

Louis N. McDonald

Hugh Manchester

J. Howard Parker

Walter C. Stitt

Martin S. Tod

Roy Welch

James L. Wick, Jr.

## BOARD OF GOVERNORS

## Youngstown College

James L. Wick, Jr. ....	Chairman
W. E. Bliss .....	Vice-Chairman
Philip Schaff .....	Treasurer
Herman Hurd .....	Recording Secretary
J. C. Argetsinger	Donald Lynn
J. C. Barrett	W. C. McKain
R. M. Bell	J. Russell McKay
Felix Bruner	E. L. McKelvey
Dr. W. H. Bunn	William F. Maag, Jr.
Henry Butler	Hugh Manchester
Sidney J. Collins	Thomas H. Murray
N. B. Folsom	Jay Ogram
Philip Frieder	Franklin B. Powers
Oscar Gayton	C. Snelling Robinson
Hugh Grant	John R. Rowland
W. D. Griffith	Clarence J. Strouss
Dr. W. E. Hammaker	Herbert S. Warwick
Julius Kahn	Verne J. Wilson
Harry Levinson	R. J. Wysor

To be elected—President of The Young Men's Christian Association, ex officio.

Leonard T. Skeggs—General Secretary of The Young Men's Christian Association, ex officio.

## EXECUTIVE COMMITTEE

## Of the Board of Governors, Youngstown College

James L. Wick, Jr. . . . .	Chairman
J. C. Barrett	Thomas H. Murray
W. E. Bliss	C. Snelling Robinson
H. M. Hurd	Philip Schaff
W. C. McKain	Clarence J. Strouss
Russell McKay	R. J. Wysor

To be elected—President of The Young Men's Christian Association, ex officio.

Leonard T. Skeggs—General Secretary of The Young Men's Christian Association, ex officio.

## OFFICERS OF ADMINISTRATION

Howard W. Jones, A. M. . . . .	Director
John W. Bare, A. M. . . . .	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. B. . . . .	Business Manager
Freda R. Flint, A. B. . . . .	Publicity Director
Elsie Randle . . . . .	Recorder
Elsie Louise Mann . . . . .	Employment Secretary
Mrs. Helen Lyon . . . . .	Librarian and Cashier



## FACULTY

- Howard W. Jones, A. M. . . . . Director  
 A. B., Hiram, 1920  
 A. M., Western Reserve, 1930
- John W. Bare, A. M. . . . . English  
 A. B., Ohio Wesleyan, 1904  
 A. M., Ohio Wesleyan, 1908
- R. Douglas Bowden, A. M. . . . . Social Science  
 A. B., University of Kentucky, 1913  
 A. M., University of Illinois, 1916
- Castle W. Foard, Ph. D. . . . . Mathematics and Physics  
 A. B., University of Wichita, 1921  
 Ph. D., University of Iowa, 1930
- Eleanor B. North, A. M. . . . . English  
 A. B., Pennsylvania State College, 1923  
 A. M., Pennsylvania State College, 1925
- Leonard T. Richardson, Ph. D. . . . . Modern Languages  
 A. B., Aurora College, 1915  
 Docteur de l'Universite de Grenoble (France), 1930
- Eugene Dodd Scudder, Ph. D. . . . . Chemistry  
 A. B., Indiana University, 1921  
 Ph. D., Indiana University, 1930

## (Part Time)

- Clara Witter Alcroft, B. S. . . . . Physical Training for Women  
 B. S., Iowa State Teachers College, 1924
- Levi G. Batman, B. A. . . . . Biblical Literature  
 B. A., Indiana University, 1905
- Dwight V. Beede, B. S. . . . . Engineering Drawing  
 B. S., Carnegie Institute of Technology, 1926
- Lee Edwin Cannon, A. M. . . . . Modern Languages  
 A. B., Eureka College, 1906  
 A. M., University of Wisconsin, 1909
- Irwin S. Clare, M. S. . . . . Chemistry  
 B. S., Tufts College, 1922  
 M. S., University of Maryland, 1924
- Ruth Emma Foard, B. S. . . . . Home Economics  
 B. S., Lombard College, 1926

- Ceylon E. Hollingsworth.....Art  
Pupil of William M. Chase, New York City
- Jack McPhee, A. B.....Physical Education for Men  
A. B., Youngstown College, 1930
- Joseph Earle Smith, Ph. D.....Social Science  
A. B., Oxon College, 1911  
Ph. D., Wallas College, London, 1930
- Henry V. Stearns, D. Ped.....Dean of Music Department  
B. Mus., American Conservatory of Music, 1902  
F. A. G. O., 1918  
D. Ped., Cincinnati Conservatory of Music, 1924
- R. A. Waldron, Ph. D.....Biology  
B. S., Massachusetts State College, 1910  
Ph. D., University of Pennsylvania, 1918

## COLLEGE CALENDAR

## 1932

September 12th, Monday, First Semester begins.  
November 24th, Thursday, Thanksgiving Day.  
December 17th, Christmas Vacation begins.

## 1933

January 2nd, Monday, Christmas Vacation ends, 7 A. M.  
January 27th, Friday, First Semester ends.  
January 30th, Monday, Second Semester begins, 7 A. M.  
June 2nd, Friday, Second Semester ends.  
June 8th, Thursday, Commencement.  
June 12th, Monday, Summer Session begins.

## HISTORICAL SKETCH

Youngstown College had its beginning in September, 1921, when the first Liberal Arts course was offered as a part of the Evening School work then being done by the Youngstown Institute of Technology. Professors from neighboring colleges constituted the first faculty. The work offered was designed to accommodate local teachers who needed credits toward degrees and certificates. Six years of steady growth convinced those responsible for the work that there was a real need in Youngstown for a college of day Liberal Arts. Consequently, in September, 1927, a Day College of Liberal Arts was established with an enrollment of approximately one hundred students. Steady growth has continued from that date until in the school year 1931-32 there was an enrollment in excess of 250 students. In June, 1930, by authority of the Department of Education of the State of Ohio, the degree of Bachelor of Arts was conferred upon the first group of graduates of Youngstown College.

## 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 of 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, the St. Paul's Episcopal Church, the city Public Library, and the First Reformed Church. It is also located within three blocks of the Y. W. C. A. and the Y. M. C. A.

**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 urgently requested, so that there may be no delay in getting class work started. Students entering late must make up all work from the beginning of the semester. No student will be permitted to register later than two weeks after the opening of college, except by special permission of the faculty.

**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 strongly urged:

English.....	4 units
United States History and Civics.....	1 unit
Algebra.....	1 unit
Geometry.....	1 unit
Physics or Chemistry.....	1 unit
Botany and Zoology.....	1 unit
Foreign Language.....	2 units
Electives.....	5 units

Any variation from the distribution of units suggested above will require consultation with the Dean before completion of registration. A student deficient in Language, Algebra or Geometry will be entered with conditions, but any and all conditions must be worked off during the Freshman year.

**ADMISSION TO ADVANCED STANDING**

Students entering from other colleges are required to present a complete transcript of all work taken in that college together with a statement of the high school work presented for entrance. 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 may be cared for each year as special students but whose credits may not be accredited toward a degree.

**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 for 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 18 hours carried.

## DEGREES

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

## FEES AND EXPENSES

All fees and tuition are due and must be paid during 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 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
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)

For students carrying eleven hours or less tuition is \$10.00 per semester hour for the first three hours and \$5.00 for each additional semester hour.

Student Activity fee for eleven hours or less..... 2.50

Below is an estimated budget of expenses for a student in Youngstown College for one semester.

## Semester Expense

Tuition.....	\$75.00
Student Activity.....	5.00
Gymnasium.....	5.00
Laboratory (Estimated Average).....	5.00
Library.....	2.00
Matriculation (Payable only once).....	5.00
Books and Supplies (Estimated).....	18.00
Incidentals.....	5.00

Total, \$120.00

### EXPLANATION OF FEES

One transcript of credits to another college is made free. After that a fee of \$1.00 is charged for each transcript.

The matriculation fee, payable only once, covers the cost of registration, and should accompany application.

Twelve to fifteen hours is considered a full tuition load. For less than twelve hours the evening rates apply, or \$10.00 a semester hour for the first three hours and \$5.00 for each additional hour.

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

The Student Activity fee covers the admission to all athletic contests, social events sponsored by the Student Council, subscription to the college annual and the JAMBAR, the college weekly.

The gymnasium fee pays for the regular required classes in physical education.

The library fee partially covers the cost of maintaining the library.

The diploma fee, for seniors only, pays for the expenses incident to graduation, except the rental of caps and gowns.

Irregular students, day or evening, are not required to pay the matriculation, gymnasium, and library fees.

### GROUP REQUIREMENTS FOR A. B. DEGREE

#### Group I.—Languages

English . . . . . 8 hours

One Foreign Language . . . . . 6 hours

#### Group II.—Science and Mathematics (Botany, Zoology, Biology, Astronomy, Chemistry, Physics, Physiology, Geology, Mathematics.)

Laboratory Science . . . . . 8 hours

Elective . . . . . 3 hours

#### Group III.—Social Science

History, Economics, Sociology, Political

Science . . . . . 9 hours

Psychology, Philosophy, and Bible . . . 3 hours

#### Group IV.—Physical Education . . . . . 4 hours

Free Electives, sufficient to make a total of 124 hours for graduation.

### MAJORS AND MINORS

It is possible to take sufficient work at Youngstown College to major in any one of several different fields. The requirements for a major in the various departments are as follows:

**English**—26 semester hours, with three years of high school English as a pre-requisite.

**Chemistry**—30 semester hours, no pre-requisite.

**Mathematics**—27 semester hours, with two years of high school Mathematics as a pre-requisite.

**French**—20 semester hours, with two years of high school French as a pre-requisite.

**Social Science**—24 semester hours, with one year of high school Social Science as a pre-requisite.

**Business Administration**—32 hours.

**Note**—A minor consists of fifteen hours of work and each student is required to have at least one major and one minor. The advisor in the major field should be consulted regarding the selection of a minor.

At least 60 hours must be in courses not open to Freshmen, of which at least 40 must be in courses for advanced under-graduates (courses numbered 300 or more). If a senior takes a course open to Freshmen, the credit will be diminished by one-third.

Not less than thirty hours of credit must be gained in Youngstown College.

When a student has enough credits to graduate but falls below a C average, a sufficient amount of extra credits must be earned to bring the average to a C.

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

Students excused from 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.

## COLLEGE ACTIVITIES

The college aims to foster student participation in various extra-curricular activities. 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 outside activities to students whose Point index for scholastic standing does not fall below 1.5. (See explanation of Point index below.)

## 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 points. 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.

### 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 co-operates with the various special student organizations and makes recommendations to the faculty regarding such matters as seem to affect the welfare of the college. The council consists of ten members and a president elected by the student body, and one faculty representative selected by the faculty.

### Honor Point System

The Honor Point System of The 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 five 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 for a pin who has not achieved the majority of his points in scholarship.

The points are outlined as follows:

Scholastic	20 points,	maximum
	2	" for every grade of "A"
	1	" for every grade of "B"
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 Mgr.
	7	" Basketball Major Awards
	7	" Athletic Board Chairman
	5	" Senior Class Officers
	5	" Athletic Board Members

5	"	Junior Basketball Mgr.
5	"	Cheer Leaders
5	"	Jambar Business Mgr.
5	"	Debating Club President
5	"	Jambar Staff
5	"	Annual Staff
5	"	Annual Business Mgr.
5	"	May Day Chairman
5	"	Glee Club President
5	"	Dramatics Club President
3	"	Athletic Minor Awards
3	"	Junior, Sophomore, or Freshman Class Officers
3	"	Debating Team
3	"	Major parts in plays
1	"	Glee Club members
1	"	Minor parts in plays
1	"	Stage Managers
1	"	Electricians
1	"	Chairmen for May Day Sub-Committees

### Athletics

The college is increasing its activities in athletics by actively promoting in the past few years basketball and fencing teams, intramural playground ball, hand ball, tennis, and so on. It is the desire of the college at all times to encourage all forms of athletic activity.

### Youngstown College Dramatic Club

The Youngstown College Dramatic Club, organized during the first semester in 1927-28, 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. Several one-act plays are produced each year and the organization aims to present at least two major plays annually.

### Musical Activities

Various musical activities are encouraged and supported by the college. A Men's Glee Club has been ably directed for the past three years. Last year a Woman's Glee Club was organized. These and other organizations regularly assist in furnishing music and entertainment for college functions, both on and off the campus. Limited credit is offered for members in these and other activities under the Music Department.

### MUSICAL AND CULTURAL ADVANTAGES

In addition to the opportunities offered by the Department of Music and Fine Arts, students of Youngstown College have many

advantages not usually found in smaller college towns. Within a half block of the college, at the Butler Art Institute, fortnightly recitals are given by musicians of note from various parts of the country. These, as well as many other recitals, are always open to the public.

There are various music and literary clubs that endeavor to bring to Youngstown operas and plays of the highest type, which are presented at the Stambaugh Auditorium and at the various theatres.

College students who are interested in art will appreciate the splendid collection of paintings displayed in the Butler Art Institute.

The Butler Art Institute was given to the city by Joseph G. Butler, Jr. This is a beautiful building and houses a fine collection of paintings, Indian relics, and numerous other examples of art. This building is ideally situated for the use of our students. A splendid new addition to the Art Gallery has been recently completed.

### TEXT BOOKS AND SUPPLIES

Text books and supplies may be purchased at the school book store on the main floor of the building.

### GRADES

Grades for work done are recorded as follows: A, excellent; B, good; C, fair; D, poor; E, condition; F, failure. A condition may be removed by taking a special examination and fulfilling the requirements that the instructor may make. Permission to take special examinations may be obtained from the Registrar upon payment of a fee of one dollar. A condition automatically becomes a failure if not removed within one year.

"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. "A" represents not only a grasp of the subject matter of the text book but familiarity with the field, plus exceptional natural ability and insight.

"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. "B" would indicate that a student has fulfilled the requirements of the course and has completed some individual research work, as directed from time to time by the instructor.

"C" indicates fair work but with nothing of an exceptional nature. It indicates average quality and ability without a thorough grasp of the subject.

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

"E" indicates a condition in the course of work pursued. "A"-grade work may receive an "E" temporarily if certain requirements are not fulfilled. If an "E", given because of absence of reports or other conditions, is not removed within a year following the end of the semester in which it was given, it will automatically become an "F".

"F" indicates a failure in the subject.

### CLASS ATTENDANCE

Students are expected to be regular in attendance. There are no absences permitted except upon an excuse acceptable to the Dean of Men or the Dean of Women. Absences incurred and not excused are used as minus units in computing the average, or, upon the discretion of the instructors, may mean a condition in the work of the semester.

#### Chapel Attendance

Chapel attendance is expected of all students and is looked upon as a regular part of the college life. Each student must show attendance at chapel not less than twelve times during a semester. A record is kept of such attendance and at the end of the semester if a student has not attended chapel the required number of times, the work of the entire semester will be conditioned until the conditions are removed satisfactorily by his attendance the second semester. There is an average of fifteen chapel services during a semester.

### EMPLOYMENT SERVICE

Special effort will be made to secure part-time positions for those desiring to defray their expenses in this way. Many calls come to the office for students desiring part-time employment. There is a steady demand particularly for girls who are willing to take care of children or assist in the home in payment for board and room. Students desiring work should inquire at the office as soon as possible and confer with the Employment Secretary.

### PHYSICAL TRAINING

Students in Youngstown College are exceptionally well provided with facilities for physical culture. The three gymnasiums, swimming pool, handball courts, boxing, wrestling, and fencing rooms in the Central Y. M. C. A. Building are available for the young men. Similar facilities at the Young Women's Christian Association building are available for young women. The work

of the Physical Department is under the direction of the Physical Directors of the Y. M. C. A. and the Y. W. C. A., thus insuring expert physical instruction. Two years of physical training are required of both men and women, unless a student is excused by a physician's certificate.

### LIBRARY

Upon entering the new building, the beginning for a permanent college library was made. Not only student library fees of two dollars per semester are applied toward the purchase of new books, but from other sources from time to time the library is to be enlarged.

The first considerable accretion to the library was realized in the early part of 1932. It is planned to add a considerable number of books at least once a semester so that our library facilities may be kept up to date at all times.

In addition to the college library the city Public Library, which is located diagonally across the street from the main building, has offered its excellent facilities to the college. The Public Library has in the neighborhood of 150,000 volumes and has excellent study hall facilities. It has a large staff of officers and assistants who have gladly offered their expert assistance to the students.

### EDUCATION COURSES

The college offers by authority of the State Department of Public Instruction regular courses in Education which are open to teachers now in the service. This work is carried on by professors brought in from outside institutions and meeting all the requirements of the State Department.

## SUGGESTED COURSE OF STUDY FOR A MAJOR IN BUSINESS ADMINISTRATION

### First Semester

### Second Semester

#### First Year

	Hours		Hours
English 101.....	3	English 102.....	3
Mathematics 101.....	3	Mathematics.....	3
Accounting I.....	2	Accounting II.....	2
Law I.....	2	Law II.....	2
Business Letters.....	2	Business Letters.....	2
Elective.....	3	Elective.....	3

#### Second Year

Accounting V.....	2	Accounting VI.....	2
Economics 201.....	3	Economics 202.....	3
Law III.....	2	Law IV.....	2
English 201.....	3	Geography 102.....	3
Geography 101.....	3	Elective.....	5
Elective.....	2		

#### Third Year

Accounting III.....	2	Accounting IV.....	2
Credits and Collections.....	2	Corporation Finance.....	2
Federal Taxes.....	2	Federal Taxes.....	2
Public Speaking.....	2	Psychology.....	2
Psychology.....	2	Elective.....	7
Elective.....	5		

#### Fourth Year

C. P. A. Quiz.....	2	C. P. A. Quiz.....	2
Auditing Theory and Practice..	2	Auditing Theory and Practice..	2
Specialized Accounting.....	2	Interpretation of Financial Statements.....	2
Sales.....	2	Advertising.....	2
Elective.....	7	Elective.....	7

From these electives a minor must be chosen, subject to the approval of the Dean.

### ARTS—BUSINESS ADMINISTRATION COURSE

In combination with the Y. M. C. A. Evening School of Business Administration, the Bachelor of Arts Degree may be secured by those who complete 76 semester hours of Liberal Arts and 48 semester hours in the School of Business Administration. By taking certain summer courses, it will be possible to secure the degree by going two years in the day time and four years at night. Those taking this course are expected not only to complete the regular group requirements for the A. B. degree, but to include in their Liberal Arts curriculum at least three hours of Public Speaking and three hours of Psychology. Two years of Liberal Arts will be accepted from other accredited colleges, but a minimum of thirty hours of credit must be earned in Youngstown College.

For the combination course, the full requirements of the four-year evening course of the College of Business Administration shall be completed. A major, consisting of six hours each semester for the third and fourth year, shall be selected from the courses of the College of Business Administration subject to the approval of the Dean of that College. A minor of three hours each semester for the third and fourth years, shall be selected from subjects related to the major department.

### PRE-ENGINEERING THREE YEAR PLAN

First Semester	First Year		Second Semester
	Hours		Hours
Mathematics 111.....	2	Mathematics 112.....	2
Mathematics 103.....	3	Mathematics 114.....	3
Chemistry 109 or 111.....	4	Chemistry 110 or 112.....	4
Engineering Drawing 101.....	4	Descriptive Geometry 102.....	4
English 101.....	3	English 102.....	3
Physical Education 101.....	1	Physical Education 101.....	1
<b>Second Year</b>			
Calculus 209.....	5	Calculus 210.....	5
Chemistry 209.....	5	Chemistry 203.....	5
Physics 201.....	5	Physics 202.....	5
Physical Education 205.....	1	Physical Education 206.....	1
<b>Third Year</b>			
Differential Equations 315.....	3	Analytical Mechanics 314.....	3
Economics 201.....	3	Economics 202.....	3
Language or Approved Elective..	4	Language or Approved Elective..	4
<b>(Industrial Chemistry Option)</b>			
Organic Chemistry 304.....	5	Organic Chemistry 306.....	3
Physical Chemistry 311.....	3	Physical Chemistry 312.....	3
<b>(Metallurgical Chemistry Option)</b>			
Physical Chemistry 311.....	3	Physical Chemistry 312.....	3
Metallurgy 313.....	2	Metallurgy 316.....	2
<b>(Mechanical and Electrical Option)</b>			
Electricity 303.....	3	Thermodynamics 308.....	3
Electricity Lab. 305.....	2	Electricity Lab. 306.....	2

### FOUR YEAR PRE-ENGINEERING COURSE LEADING TO AN A. B. DEGREE, MAJOR IN CHEMISTRY

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

**Second Year**

Calculus 209.....	5	Calculus 210.....	5
Chemistry 209.....	5	Chemistry 203.....	5
Physics 201.....	5	Physics 202.....	5
Physical Education 205.....	1	Physical Education 206.....	1

**Third Year**

Differential Equations 315.....	3	Analytical Mechanics 314.....	3
Economics 201.....	3	Economics 202.....	3
Foreign Language.....	4	Foreign Language.....	4
Organic Chemistry 304.....	5	Organic Chemistry 306.....	3
Metallurgy 313.....	2	Metallurgy 316.....	2

**Fourth Year**

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

**FOUR YEAR PRE-ENGINEERING COURSE FOR A. B. DEGREE,  
WITH MAJOR IN PHYSICS OR MATHEMATICS****First Semester****Second Semester****Freshman Year**

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

**Sophomore Year**

Calculus 209.....	5	Calculus 210.....	5
Physics 201.....	5	Physics 202.....	5
Chemistry 209.....	5	Chemistry 203.....	5
Physical Education 205.....	1	Physical Education 206.....	1

**Junior Year**

Differential Equations 315.....	3	Analytical Mechanics 314.....	3
Electricity 303.....	3	Thermodynamics 308.....	3
Electricity Lab. 305.....	2	Electricity Lab. 306.....	2
Economics 201.....	3	Economics 202.....	3
Foreign Language.....	3 or 4	Foreign Language.....	3 or 4

**Senior Year**

Theory of Light 401.....	3	Modern Physical Theory 404.....	3
or Vector Analysis 421.....	3	or History of Mathematics 432..	3
Surveying 211.....	2	Surveying 212.....	2
Psychology 201.....	3	Psychology 202.....	3
Foreign Language.....	3	Foreign Language.....	3
Electives.....	5	Electives.....	5

**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.

Students following the cooperative engineering curriculum as being worked out by Youngstown College will start on the cooperative basis after completing the first two years work.

## SUGGESTED COURSE OF STUDY FOR MATHEMATICS MAJORS

First Semester	Second Semester
<b>Freshman Year</b>	
	Hours
College Algebra 111.....	2
Trigonometry 103.....	3
English 101.....	3
Physical Education 101.....	1
French or German.....	3 or 4
Electives:	
Chemistry 109 or 111.....	4
History 101.....	3
Public Speaking 115.....	2
Bible 101.....	2
	Hours
College Algebra 112.....	2
Analytic Geometry 114.....	3
English 102.....	3
Physical Education 102.....	1
French or German.....	3 or 4
Electives:	
Chemistry 110 or 112.....	4
History 102.....	3
Public Speaking 116.....	2
Bible 102 or 104.....	2
<b>Sophomore Year</b>	
Calculus 209.....	5
German or French.....	3 or 4
Physics 201.....	5
Economics 201.....	3
Physical Education 205.....	1
Calculus 210.....	5
German or French.....	3 or 4
Physics 202.....	5
Economics 202.....	3
Physical Education 206.....	1

**Junior Year**

Differential Equations 315.....	3	Analytical Mechanics 314.....	3
German or French, unless qualified in both.....	3	German or French, unless qualified in both.....	3
Psychology 201.....	3	English Literature 204.....	3
English Literature 203.....	3	Electives: (Complete group requirements)	7
Electives: (Complete group requirements)	4		

**Senior Year**

<del>Selected courses in:</del>	<del>3</del>	<del>Selected courses in:</del>	<del>3</del>
Mathematics <del>College Exam.</del>	3	Mathematics .....	3
Astronomy 201.....	3	<del>Surveying 212.....</del>	<del>2</del>
<del>Surveying 211.....</del>	<del>2</del>	Electives .....	10
Electives .....	8		

**SUGGESTED COURSE OF STUDY FOR PHYSICS MAJORS**

**First Semester**

**Second Semester**

**Freshman Year**

	Hours		Hours
College Algebra 111.....	2	College Algebra 112.....	2
Trigonometry 103.....	3	Analytic Geometry 114.....	3
English 101.....	3	English 102.....	3
Chemistry 109 or 111.....	4	Chemistry 110 or 112.....	4
French or German 101.....	3 or 4	French or German 102.....	3 or 4
Physical Education 101.....	1 <sup>16</sup> / <sub>17</sub>	Physical Education 102.....	1

**Sophomore Year**

Calculus 209.....	5	Calculus 210.....	5
Physics 201.....	5	Physics 202.....	5
French or German 201 or 203...	3	French or German 202 or 204...	3
Economics 201.....	3	Economics 202.....	3
Physical Education 205.....	1 <sup>17</sup> / <sub>17</sub>	Physical Education 206.....	1

**Junior Year**

Differential Equations 315.....	3	Analytical Mechanics 314.....	3
Electricity 303.....	3	Thermodynamics 308.....	3
<del>Electricity Laboratory 305.....</del>	<del>2</del>	<del>Electricity Laboratory 306.....</del>	<del>2</del>
Chemistry .....	5	Chemistry .....	5
Elective .....	3	Elective .....	3

**Senior Year**

<del>Selected courses in:</del>		<del>Selected courses in:</del>	
Physics .....	3	Physics .....	3
Psychology 201.....	3	English Literature 204.....	3
English Literature 203.....	3	Surveying 212.....	2
Astronomy 201.....	3	Elective .....	8
Surveying 211.....	2		
Elective .....	2		

**FOUR YEAR PRE-MEDICAL COURSE**

**First Semester**

**Second Semester**

**First Year**

	Hours		Hours
English 101.....	3	English 102.....	3
Chemistry 109 or 111.....	4	Chemistry 110 or 112.....	4
French 101 or German 101.....	4	French 102 or German 102.....	4
Biology .....	4	Biology .....	4
Physical Education 101.....	1	Physical Education 102.....	1

**Second Year**

Chemistry 209.....	5	*Chemistry 205.....	3
Physics 201.....	5	*Chemistry 207.....	2
French 203 or German 201.....	3	French 204 or German 202.....	3
Psychology 201.....	3	Psychology 202.....	3
Physical Education 205.....	1	Physical Education 206.....	1

**Third Year**

Chemistry 304.....	5	Chemistry 315.....	3
Chemistry 306.....	3	Chemistry 318.....	2
Mathematics III.....	2	Mathematics 112.....	2
Mathematics 103.....	3	Mathematics 114.....	3
Elective.....	2	Elective.....	5

**Fourth Year**

Chemistry 311.....	3	Chemistry 312.....	3
Mathematics 209.....	5	Mathematics 210.....	5
Elective.....	7	Elective.....	7

\*If taking three or four year program substitute Chemistry 203 for Chemistry 205 and Chemistry 207.

**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 favor 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.

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 curriculum is suggested with the work so arranged that at the end of the second 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 like to enter. An A. B. in chemistry will be granted on completion of the four year schedule.

**SUGGESTED COURSE OF STUDY FOR CHEMISTRY MAJOR****First Semester****Second Semester****First Year**

	Hours		Hours
English 101.....	3	English 102.....	3
Chemistry 109 or 111.....	4	Chemistry 110 or 112.....	4
History 101 or French 101... 3 or 4		History 101 or French 101... 3 or 4	
Mathematics 111.....	2	Mathematics 112.....	2
Mathematics 103.....	3	Mathematics 114.....	3
Physical Education 101.....	1	Physical Education 102.....	1

**Second Year**

Mathematics 209.....	5	Mathematics 210.....	5
Chemistry 209.....	5	Chemistry 203.....	5
German 101.....	4	German 102.....	4
Elective.....	1 or 2	Elective.....	1 or 2
Physical Education 205.....	1	Physical Education 206.....	1

**Third Year**

Physics 201.....	5	Physics 202.....	5
Chemistry 304.....	5	Chemistry 315.....	3
Chemistry 306.....	3	Chemistry 318.....	2
German 201.....	3	German 202.....	3
		Elective.....	2

**Fourth Year**

Chemistry 311.....	3	Chemistry 312.....	3
Chemistry 319.....	2	Chemistry 321.....	2
Elective.....	10	Elective.....	10

**CHEMISTRY**

Chemistry is a fundamental science and a knowledge of it is essential to an understanding of most of the other sciences. The field of chemistry itself offers great opportunities to those who wish to take it up as a life work.

The fundamental courses are outlined in the suggested curriculum above. The other elective courses offered in the department will allow the student to emphasize the field of chemistry in which he is especially interested.

The work outlined above is also adapted for those students who wish to continue their work in some graduate school.

**SUGGESTED SCHEDULE FOR STUDENTS  
MAJORING IN HISTORY****First Semester****Second Semester****Freshman Year**

	Hours		Hours
History 101.....	3	History 102.....	3
English 101.....	3	English 102.....	3
French, German or Spanish.....	4	French, German or Spanish.....	4
Physical Education.....	1	Physical Education.....	1
Economic Geography 101.....	3	Electives.....	5
Electives.....	2		

**Sophomore Year**

History 201.....	3	History 202.....	3
Literature 203.....	3	Literature 204.....	3
French, German or Spanish.....	3	French, German or Spanish.....	3
Sociology 301.....	3	Sociology 302.....	3
Electives.....	4	Electives.....	4

**Junior Year**

History 301.....	3	History 302.....	3
French, German or Spanish.....	3	French, German or Spanish.....	3
Economics 201.....	3	Sociology 304.....	3
Philosophy 301.....	3	Electives.....	7
Electives.....	4		

**Senior Year**

History 320.....	3	Political Science 304.....	3
History 400.....	3	Electives .....	13
Electives .....	10		

NOTE—Those students desiring to major in Sociology, Economics, or Political Science should consult the head of the department.

**SUGGESTED COURSE OF STUDY FOR ENGLISH MAJORS****First Semester****Second Semester****Freshman Year**

	Hours		Hours
English 101.....	3	English 102.....	3
Speech 115 or Bible 101.....	2	Speech 116 or Bible 102.....	2
Language .....	3 or 4	Language .....	3 or 4
or		or	
Science .....	5	Science .....	5
History .....	3	History .....	3
Physical Education.....	1	Physical Education.....	1
Electives .....	4 or 3 or 0	Electives .....	4 or 3 or 0

**Sophomore Year**

English 203.....	3	English 204.....	3
English 205.....	3	English 206 or 326.....	3
Language or Science.....	3 or 4	Language or Science.....	3 or 4
Social Science.....	3	Social Science.....	3
Physical Education.....	1	Physical Education.....	1
Electives .....	2	Electives .....	2

**Junior Year**

English 309.....	3	English 310.....	3
English 342.....	3	English 314.....	3
English 215 or 219.....	2	English 216 or 220.....	2
Social Science.....	3	Social Science.....	3
Language or Science.....	3 or 4	Language or Science.....	3 or 4
Electives .....	2 or 1	Electives .....	2 or 1

**Senior Year**

English 321 or 311.....	3	English 322 or 312.....	3
English 307.....	3	English 308.....	3
English 315.....	3	English 324 or 336.....	3
Language or Science.....	3 or 4	Language or Science.....	3 or 4
Social Science.....	3	Social Science.....	3
Electives .....	1 or 0	Electives .....	1 or 0

NOTE—Students majoring in English are required to complete courses 101, 102, 115, 116, 203, 204, 205. It is essential that the decision to major in this field be made not later than the beginning of the sophomore year.

**DESCRIPTION OF COURSES**

The courses are offered each year, unless otherwise marked.

In the numbering of the courses, first semester courses have odd numbers and second semester courses even numbers. The printing of a course with a hyphen between semester numbers, for example, 101-102, indicates that credit is not given for the work of the first semester until the completion of that of the second semester. The printing of a course with a comma between the semester numbers, for example, 105, 106, indicates that the course extends throughout the year, but that independent credit is given for the work of either semester.

The number of hours refers to the credit per semester allowed for the course.

Courses numbered from 101 to 199 are Freshmen courses from 201 to 299 are open to Sophomores, and courses numbered 301 or more are for Juniors and Seniors.

Occasionally, first semester courses are repeated or otherwise offered the second semester. In that case the first semester numbering of the course is retained. Likewise summer courses retain the numbers usually applied to them during the regular school year.

**ART**

Art 101, 102. **FREE HAND DRAWING**—Two hours each semester. 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.

Art 201, 202. **ADVANCED FREE HAND DRAWING**—Two hours each semester. 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. Pre-requisites, Art 101 and 102. Special fee, \$5.00 per semester.

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

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

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

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

**BIBLE**

101. THE LIFE OF CHRIST—Two hours, first semester. 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. Lectures, recitations and special topics for investigation.

102. THE APOSTOLIC AGE—Two hours, second semester. 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 teaching of St. Paul will be considered in their relation to the development and activity of the early church. Lectures, recitations and special topics for investigation.

104. OLD TESTAMENT HISTORY—Two hours, second semester. 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. Lectures, recitations and topics for investigation. (1933-1934)

**BIOLOGY**

103. GENERAL BOTANY—Four hours, first semester. Two lectures and recitations and two two-hour laboratory periods each week. An introductory study of plant life. No pre-requisites.

108. GENERAL ZOOLOGY—Four hours, second semester. Two lectures or recitations and two two-hour laboratory periods each week. An introduction to the facts and principles of animal biology with special reference to structure, function, heredity and classification. Special attention given to the invertebrates. The anatomy of the chordate, with emphasis upon the development of the chief organic systems.

303. ANTHROPOLOGY—Three hours, first semester. A study of the coming of man from out of the past. An investigation of the few evidences of prehistory to include a general comparison of the five common classes of chordates (fish, amphibia, reptiles, birds, mammals.)

304. EDUCATIONAL BIOLOGY—Three hours, second semester. A methods and content course. Professionalized content for anyone interested in a general knowledge of the types of the world's organisms (plant and animal), their adaptations, behavior and interrelationships.

**CHEMISTRY**

109-110. GENERAL CHEMISTRY—Four hours, each semester. 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.

111-112. GENERAL CHEMISTRY—Hours and credit same as 109 and 110. A more advanced course in general chemistry for those who have had a satisfactory year's work in high school.

107. QUALITATIVE ANALYSIS—Three hours, first semester. One hour lecture and two two-hour laboratory periods each week. For chemistry majors who have not had chemistry 106 but have had 102 or 104.

209. QUALITATIVE ANALYSIS—Five hours, first semester. 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. Pre-requisite, Chemistry 110 or 112.

211. QUALITATIVE ANALYSIS—Three hours, first semester. One lecture and five hours of laboratory 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. Pre-requisite, General Chemistry.

203. QUANTITATIVE ANALYSIS—Five hours, second semester. One hour lecture and recitation and twelve hours laboratory each week. Gravimetric, volumetric, and colorimetric analysis. Pre-requisite, General Chemistry and Qualitative Analysis.

205. ORGANIC CHEMISTRY—Three hours, second semester. Three lectures and recitations. A general survey of organic chemistry for pre-medical students and home economic students. Offered on demand.

207. ORGANIC CHEMISTRY—Two hours credit. Two three-hour laboratory periods each week. Pre-requisite or concurrent, Chemistry 205. (Offered on demand).

304. ORGANIC CHEMISTRY—Five hours, first semester. Five lectures and recitations each week. A study is made of the nomenclature, properties, and departments of the aliphatic and aromatic carbon compounds. Pre-requisite, General Chemistry and Qualitative Analysis.

306. ORGANIC CHEMISTRY—Three hours, first semester, repeated second semester on demand. Three three-hour laboratory periods each week. The work consists of the preparation and study of typical aliphatic and aromatic compounds. Pre-requisite or concurrent, Chemistry 304.

311-312. PHYSICAL CHEMISTRY—Three hours, each semester. Three lectures and recitations each week. A fundamental course in physical chemistry. Pre-requisite or concurrent, acceptable courses in organic chemistry, physics, and calculus.

313. METALLURGY—Two hours, first semester. Two hours lectures and recitations each week. A brief course in the common metallurgical processes.

314. METALLOGRAPHY—Two hours, second semester. Two lectures and recitations each week. A study of the internal structure of metals and alloys, and of its relation to their composition, and to their physical and mechanical properties. Pre-requisite, or concurrent, Chemistry 312.

315. BIOLOGICAL CHEMISTRY—Three hours, first semester. Three hours lectures and recitations. A course designed to follow general organic chemistry for those students interested in the biological sciences and medicine.

316. METALLURGY—Two hours, second semester. Two three, or one six-hour laboratory period each week. Fire assaying of gold, silver, lead, and copper ores. Pre-requisite or concurrent, Chemistry 313.

317. BIOLOGICAL CHEMISTRY—Two hours, second semester. Two three-hour laboratory periods each week. A laboratory course to accompany or follow Chemistry 315.



319. **ADVANCED INORGANIC CHEMISTRY**—Two hours, first semester. Two lectures and recitations each week. An advanced course in inorganic chemistry stressing the more difficult points of theory. Open to students who have had two years of chemistry.

321. **ADVANCED ORGANIC CHEMISTRY**—Two hours, second semester. Two lectures and recitations each week. An advanced course in the theory of organic chemistry. Open to seniors.

### ECONOMICS

201. **PRINCIPLES OF ECONOMICS**—Three hours credit, first semester. A study of the laws of production, exchange, distribution, and 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.

202. **PRINCIPLES OF ECONOMICS**—Three hours, second semester. A continuation of course 201.

204. **LABOR PROBLEMS**—Three hours, second semester. The object of this course is to give a historical and critical study of the labor movement in this country and in England. Special attention is given to trade unions, strikes; conciliation, and arbitration. Pre-requisite, Economics 201, 202.

207. **FINANCIAL INSTITUTIONS**—Three hours, first semester. 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. Pre-requisite, Economics 201, 202.

210. **ECONOMIC HISTORY OF THE UNITED STATES**—Three hours, either semester. An historical survey of American financial policy dealing especially with currency legislation, federal taxation, the tariff, government loans, and the development of our banking systems. Summer, 1932.

### ENGINEERING DRAWING

101, 102. **PRINCIPLES OF ENGINEERING DRAWING AND DESCRIPTIVE GEOMETRY**—Four hours, each semester. Two four-hour periods of lectures and laboratory each week. Orthographic projection, auxiliary drawings, isometric and other pictorial representation, lettering. Last twelve weeks of second semester devoted to Descriptive Geometry. Special fee, each semester, \$2.50.

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

### EDUCATION

201-202. **EDUCATIONAL PSYCHOLOGY**—Two hours, each semester. A study of those aspects of psychology which form the basis for rational education, and their application to the problems of the school.

204. **METHODS OF TEACHING HISTORY**—Two hours, second semester. This course will be introduced with a brief historical and philosophical background. Some time will be given to a study of the various plans of teaching—Conference, Socialized, Problem, Project, and Contract; and, if desired, the Unit Plan. Then the remainder of the semester will be devoted to working out an Eclectic Plan embodying what is considered the best phases of each of the previous plans. The course will be conducted throughout always keeping in mind the most commonly agreed upon knowledge, skill, and attitude objectives of the subjects.

203. METHODS OF TEACHING GEOGRAPHY—Two hours, first semester. This course will be introduced with a brief historical and philosophical background. Some time will be given to a study of the various plans of teaching—Conference, Socialized, Problem, Project, and Contract; and, if desired, the Unit Plan. Then the remainder of the semester will be devoted to working out an Eclectic Plan embodying what is considered the best phases of each of the previous plans. The course will be conducted throughout always keeping in mind the most commonly agreed upon knowledge, skill, and attitude objectives of the subjects.

## ENGLISH

### Composition and Language

101-102. ENGLISH COMPOSITION—Three hours, each semester. A study of the elementary principles of composition, to teach the habits of clear and correct expression. Reading of models, frequent writing of themes, class discussions, personal conferences. Required of all Freshmen.

201. ADVANCED COMPOSITION—Two hours, first semester. Practice in essay and other forms of writing with a view of developing the student's power for correct and fluent expression. Pre-requisite, Course 101-102.

205. HISTORY OF THE ENGLISH LANGUAGE—Two hours, either semester. Lectures and discussions on the history of the development of the English language, reviewing Old English and Middle English. A study of language, grammar, vocabulary, native and foreign influences, bearing on the evolution of present forms and usages. Pre-requisites, Courses 101-102 and 203.

311-312. JOURNALISM—Two hours, each semester. News writing and reporting, page make-up, editorial writing, theory and practice. Studies of form, content, purpose, and ethics of journalism. Pre-requisite, Course 101-102.

342. CREATIVE WRITING—Three hours, either semester. Open to upper classmen with a grade of B in English 102. A study of short story, poetry, and magazine article writing with emphasis upon technique and practice. Round table discussions and individual conferences. Students will be given any possible individual guidance or advice with work in hand. The marketing of manuscripts will be fully discussed. The course will be based upon the instructor's contacts with literary craftsmen of the day.

### Literature

203-204. SURVEY OF ENGLISH LITERATURE—Three hours, each semester. A study of the masterpieces of English prose and poetry. Class discussions, lectures, and reports. Pre-requisite, Course 101-102.

206. SURVEY OF AMERICAN LITERATURE—Three hours, either semester. A study of the history, development, and types of American Literature. Class discussions, lectures and reports. Pre-requisite, English 101-102.

207. BACKGROUNDS OF ENGLISH LITERATURE—Two hours, either semester. A study of the historical, social, and philosophical background from which the literature of England came. Summer, 1932. Pre-requisite, Course 101-102.

301. CHAUCER—Two hours, either semester. A study of the life and literature of the Fourteenth Century as reflected in the work of Chaucer and other writings of that time. Pre-requisite, Courses 101-102 and 203.

302. MILTON AND DRYDEN—Two hours, either semester. An intensive study of the works of these writers, considering also the backgrounds and influences. Pre-requisites, Courses 101-102 and 203.

307. ROMANTIC POETRY—Three hours, first semester. An appreciative study of the poetry of Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries. Lectures, discussions, and reports. Pre-requisite, English 101-102.

308. VICTORIAN POETRY—Three hours, second semester. An appreciative study of the poetry of Tennyson, Browning, Arnold, and their contemporaries. Lectures, discussions, and reports. Pre-requisite, English 101-102.

309-310. SHAKESPEARE—Three hours, each semester. An intensive study of the major plays of Shakespeare with a rapid survey of his minor plays, supplemented by a study of Pre-Shakespearian drama, general stage conditions, and dramatic technique. Pre-requisite, Course 101-102.

314. SHORT STORY—Three hours, either semester. An appreciative study of the short story with analysis of present day types and methods. The course will be based upon the instructor's study under prominent short story writers of the day.

315. CONTEMPORARY AMERICAN AND BRITISH LITERATURE—Three hours, either semester. A survey of the novel, the short story, the drama, and the field of poetry from 1890. The "fin de siècle" attempt at revolution, the expanding forces of realism, the "muck rake" episode, the free verse movement, the feminine novel, the new biography, the younger generation fiction and criticism, and similar topics will be considered. Round table discussions, lectures, and reports. The course will be based upon the instructor's personal contacts with present day writers. Pre-requisite, Course 101-102.

321. ENGLISH DRAMA—Three hours, either semester. A study of the development of English drama against its native and continental background to the present time, based on English and foreign plays in translation. Discussions of theory of stagecraft and dramatic technique. Pre-requisite, Course 101-102.

322. MODERN DRAMA—Three hours, either semester. A survey of the modern field of drama, particularly the one-act play. Emphasis on modern play writing and presentation requirements, English and American. Pre-requisite, Course 101-102.

324. THE NOVEL—Three hours, either semester. A study of the history and development of the novel in England and America up to 1890. Pre-requisite, Course 101-102.

325. MODERN NOVEL—Three hours, either semester. A study of the novel field since 1890. Discussions, readings, and reports on works of representative English and American novelists. Pre-requisite, Course 101-102.

326. CONTEMPORARY POETRY—Three hours, either semester. An appreciative study of the modern poetry field since 1900. Emphasis on modern methods and ideals. Round table discussions on representative English, Irish, and American poets. The course will be based upon the instructor's contacts with and study under poets of the present day. Pre-requisite, English 101-102.

327. LITERATURE (RUSSIAN NOVEL)—Three hours, either semester. The origin and development of the Russian novel studied from the standpoint of national psychology as well as in regard to its influence on English and American fiction. Typical Russian novels of the nineteenth and twentieth centuries will be read in translation. Summer, 1932.

336. THE ESSAY—Three hours, either semester. A study of the modern essays and essay writers since 1890, with a rapid survey of the essay field prior to that date, supplemented by the study of the rise and development of current periodicals and their requirements. Pre-requisite, Course 101-102.

115-116. PUBLIC SPEAKING—Two hours, each semester. A study of the fundamentals of speech. Texts, notebooks, formal and informal speeches. Dramatic interpretations and debate emphasized during the second semester. Required of all Freshmen.

### SPEECH

117, 118. PUBLIC SPEAKING—Three hours, each semester. Study and application of fundamental principles of oral expression with constant practice in delivery. Extempore speaking, exposition, discussion, social speaking, and informal public address.

215-216. ARGUMENTATION AND DEBATE—Two hours, each semester. Fundamentals of argumentation, covering analysis, evidence, brief-drawing, and presentation of argument. Students interested in intercollegiate debating and in teaching positions in speech should take this basic course. Pre-requisite, Course 115-116.

219. DRAMATICS—Two hours, either semester. Problems of character interpretation and projection, involving elementary technique of acting, material for which will be drawn from standard classics and modern plays. Discussions and collateral reading in dramatic literature.

220. PLAY PRODUCTION—Two hours, second semester. Study and practice in selecting, staging and directing plays for school and community groups. Pre-requisite, Course 219.

### GEOGRAPHY

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

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

301. PHYSICAL GEOGRAPHY—Three hours, first semester. This course is a study of the earth's surface. The forces of erosion as those of the winds, running water, tides, and their effect in the forming of streams, valleys, plains, and shore lines will be studied. Study will also be made of mountain and plateau formations, volcanoes and earthquakes of the earth as it is today.

### HISTORY

Students majoring in history should distribute their work between American and European history and include Course 400. They are strongly advised to elect two years each of German and French, and elect at least the introductory courses in Political Science, Economics, Geography, and Sociology.

101. MODERN EUROPEAN HISTORY, 1500-1815—Three hours, first semester. 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.

102. MODERN EUROPEAN HISTORY, 1815 TO THE PRESENT—Three hours, second semester. 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.

201. HISTORY OF THE UNITED STATES TO 1828—Three hours, first semester. A study of the general political, social, and economic developments of the United States from the beginning of our history to the Jacksonian era. Designed for sophomores.

202. HISTORY OF THE UNITED STATES SINCE 1828—A continuation of 201 giving special emphasis to the quarter of a century which preceded the Civil War and the like period which followed. Designed for sophomores. Three hours, second semester.

301. HISTORY OF GREECE—Three hours, first semester. This course presents a comprehensive survey of Greek civilization and those phases of Greek life and culture which have influenced our present-day civilization. Not open to freshmen.

302. HISTORY OF ROME—Three hours, second semester. 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. Not open to freshmen.

320. THE CONTEMPORARY WORLD—Three hours, first semester. A study of the principal developments of domestic and international policy during the last twenty-five years. The course centers around the World War, Sovietism, Fascism, British nationalism, India, Sino Japanese conflict in Manchuria, etc. Pre-requisite, six hours of college history.

400. PRO-SEMINAR—This course is designed primarily for students majoring in history and is based upon individual investigation and co-operative study of approved topics. This course gives an introduction into the methods and technique of graduate study in the social sciences. Pre-requisite, approval of the instructor.

Second semester in alternate years. Given in 1932-33.

### HOME ECONOMICS

101. FOOD ECONOMICS AND ELEMENTS OF NUTRITION—Three hours, first semester. Discussion of the fundamental problems of food in relation to health; construction of dietaries. Two hours lecture and one two-hour laboratory period. (Offered in 1933-34).

102. DRESS SELECTION AND COSTUME DESIGN—Three hours. This course is a practical application of art principles as they are used in selecting, designing, and making or purchasing costumes to suit different occasions and types of people. Two hours lecture and one two-hour laboratory period. (Offered in 1933-34).

103. FOODS—Three hours, first semester. A study of the principles of food selection and preparation; economic cost and planning of meals with correct table service. Two hours lecture and one two-hour laboratory period.

104. CLOTHING—Three hours, second semester. Fundamental principles underlying the planning, selection, and construction of garments. Lectures on clothing problems. One hour lecture and two two-hour laboratory periods.

NOTE—Each Home Economics course requires a special laboratory fee of \$2.00 per semester.

### MATHEMATICS

Students planning to take up Engineering or otherwise to make extensive use of mathematics should elect courses 103, 114, 111, and 112, in the Freshman year and courses 209 and 210 in the Sophomore year. Others may elect such courses as they wish, for which they have the necessary preparation.

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

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

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

114. ANALYTIC GEOMETRY—Three hours, second semester. This course is largely a study of equations and their graphs. Curve fitting by means of empirical equations is also included. Pre-requisite, Trigonometry.

207. MATHEMATICS OF FINANCE—Three hours, first semester. Such topics are considered as simple and compound interest, discount, annuities, sinking fund methods, and life insurance. College Algebra is desirable as a pre-requisite.

209-210. DIFFERENTIAL AND INTEGRAL CALCULUS—Five hours, each semester. 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. Pre-requisite, Mathematics 114.

315. DIFFERENTIAL EQUATIONS—Three hours, first semester. Methods of solving ordinary differential equations, especially those met with in physics and engineering. Pre-requisite, Mathematics 209 and 210.

314. ANALYTICAL MECHANICS—Three hours, second semester. A mathematical treatment of problems in statics and dynamics of particles and rigid bodies. Pre-requisites, Mathematics 210 and Physics 201.

### MODERN LANGUAGES

#### French

101-102. ELEMENTARY FRENCH—Four hours, each semester. Fundamental principles of grammar, drill in pronunciation through the use of phonetic characters, together with conversation and dictation exercises in connection with the reading of simple texts.

203. INTERMEDIATE FRENCH—Three hours, first semester. Review of grammar and elementary composition. Modern texts will be read and discussed. Pre-requisite, French 102 or two years of high school French.

204. INTERMEDIATE FRENCH—Three hours, second semester. A continuation of French 203. This course will be conducted partly in French, and texts will be used which may serve as an introduction to the study of French literature.

305. SURVEY OF FRENCH LITERATURE TO ROUSSEAU—Three hours, first semester. A general introductory course with the principal emphasis on writers and tendencies of the Seventeenth and Eighteenth centuries. (1931-32).

306. SURVEY OF FRENCH LITERATURE SINCE ROUSSEAU—Three hours, second semester. A continuation of French 306 dealing with the progress of French literature since the beginnings of the Romantic movement. (1931-32).

307. MODERN NOVEL IN FRANCE—Three hours, first semester. The course will be conducted in French. Study of representative novels of the Nineteenth and Twentieth centuries. (Given in 1932-33). Pre-requisite, French 204 or equivalent.

308. FRENCH CLASSICAL DRAMA—Three hours, second semester. Conducted in French. Study of the versification and technique of selected plays of Corneille, Racine, and Moliere. (Given in 1932-33). Pre-requisite, same as French 307.

309. FRENCH PROSE WRITERS OF THE EIGHTEENTH CENTURY—Three hours, first semester. A study of the doctrines and tendencies of French thought of the Eighteenth century as illustrated in the writings of Voltaire, Diderot, and Rousseau. (1933-34)

310. THE ROMANTIC MOVEMENT IN FRANCE—Three hours, second semester. A general review of the origins and development of Romanticism culminating in a detailed study of selections from the prose and poetry of Musset, Vigny, and Hugo. (1933-34).

#### Spanish

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

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

204. INTERMEDIATE SPANISH—Three hours, second semester. A continuation of Spanish 201. Reading of modern stories and plays with conversational exercises based upon the text.

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. (1932-33).

306. SURVEY OF MODERN SPANISH LITERATURE—May be taken independently of Spanish 306. For both courses the pre-requisite is Spanish 204 or its equivalent. The purpose of this course is to acquaint the student with the principal writers of Spain since 1700. (1932-33).

#### German

101-102. ELEMENTARY GERMAN—Four hours, each semester. 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.

203. INTERMEDIATE GERMAN—Three hours, first semester. 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 of providing those who wish to do technical reading with a working knowledge of the modern language. Prerequisite, German 102 or two years of German in high school.

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

## MUSIC

Work done in applied music, under certain approved instructors, may be given a limited amount of college credit. Students must have completed a high school course or its equivalent, be sufficiently advanced in the subject for which credit is desired, and have the approval of the Dean.

Application for such credit must be filed in the College Office and duly approved, accompanied by a payment of \$5.00 for each credit-hour. Following is the basis for credit:

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 co-ordinated into a major, such credits must be accompanied by studies in musical theory, as outlined in the catalog of Youngstown College, or by courses accepted in lieu thereof by the regularly constituted authorities.

Music 101, 102. SIGHT SINGING AND EAR TRAINING—one hour each semester. 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.

Music 103, 104. ELEMENTARY HARMONY—Two hours each semester. 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. Text, Harmonic Materials, Weidig.

Music 105, 106. APPRECIATION OF MUSIC—Two hours each semester. 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. (No Pre-requisites).

Music 201, 202. ADVANCED HARMONY—Three hours each semester. Three recitations each week. A continuation of Harmony 103 and 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. Text—Harmonic Materials, Weidig. (Pre-requisites, 101, 102, 103, 104).

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



Music 301, 302. STRICT COUNTERPOINT—Two hours each semester—Two recitations each week. First, second, third, fourth, and fifth species of academic counterpoint in two, three and four parts; combined counterpoint. Text—The Art of Counterpoint, Kitson. (Pre-requisites 101, 102, 103, 104, 201 and 202).

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

### PHILOSOPHY AND RELIGIOUS EDUCATION

301. INTRODUCTION TO PHILOSOPHY—Three hours, first semester. An examination of the meaning, scope, methods, and value of philosophy, and of its relation to science, history, sociology, and religion.

302. ETHICS—Three hours, second semester. The course covers the study of the nature, origin, and significance of the moral life as viewed from the standpoint of history, and with special application to present conditions.

304. COMPARATIVE RELIGION—Three hours, either semester. A study of the great world religions with a view of making an effort to understand and evaluate the faiths of non-Christian peoples. Sacred writings and religious leaders will be studied.

### PHYSICAL EDUCATION

101, 102. PHYSICAL EDUCATION AND HYGIENE (Men)—One hour, each semester, three periods 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.

103, 104. PHYSICAL EDUCATION AND HYGIENE (Women)—one hour each semester, three periods each week. The course includes calisthenics, basketball, tennis, swimming, recreative games, folk and aesthetic dancing, personal hygiene. Required of Freshmen.

205, 206. ADVANCED PHYSICAL EDUCATION (Men)—One hour each semester, three periods each week. A continuation of courses 101, 102. Required of Sophomores.

207, 208. ADVANCED PHYSICAL EDUCATION (Women)—One hour each semester, three periods each week. A continuation of courses 103, 104. Required of Sophomores.

301. PHYSICAL EDUCATION (Football) (Men)—Two hours, first semester, two periods each week. This course includes fundamental training, practical work-out, and open discussion. It will constitute offensive and defensive play, different styles, trick plays, and drills and practice.

302. PHYSICAL EDUCATION (Basketball)—Two hours, first semester, two periods each week. This course includes fundamental training, practical work-out, and open discussion. Offensive and defensive play. Also the different styles of offensive and defensive play.

303. PHYSICAL EDUCATION (Baseball)—Two hours, second semester, two periods each week. This course includes fundamentals in batting, fielding, base running, catching, and the theoretical game. There will be indoors and outdoors work-outs.

304. PHYSICAL EDUCATION (Track)—Two hours, second semester, two periods each week. This course includes fundamentals in starting, sprints, of running, also fundamentals in field events with practical work-outs, indoors and outdoors.

305. PHYSICAL EDUCATION (Officiating)—One hour, first semester, one period each week. Discussion of rules and officiating of football, baseball, track, volley ball, tennis, swimming, and many other sports, from the official's viewpoint and coach's viewpoint.

### PHYSICS

201-202. GENERAL COLLEGE PHYSICS—Five hours, each semester, 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 per week. Pre-requisite, a Sophomore standing. Trigonometry highly desirable.

211-212. SURVEYING—Two or three hours, each semester. 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 acquired. Usually offered in summer. Pre-requisite, Trigonometry.

303. ELECTRICITY AND MAGNETISM—Three hours, first semester. An advanced course offered to engineering students and those majoring or minoring in physics. Pre-requisite, Physics 202.

305-306. ELECTRICAL MEASUREMENTS—Two hours, each semester. This is a laboratory course which must be accompanied by or preceded by Physics 303.

308. THERMODYNAMICS—Three hours, second semester. Pre-requisites, Physics 201, and Mathematics 209.

314. ANALYTICAL MECHANICS—Three hours, second semester. Offered as Mathematics 314, but may be counted toward a major in Physics.

### POLITICAL SCIENCE

305. INTRODUCTION TO POLITICAL SCIENCE—Three hours, first semester. An introduction to American political life.

306. AMERICAN POLITICAL PARTIES—Three hours second semester. A continuation of Political Science 305 with particular emphasis on political parties. Pre-requisites, Political Science 305.

307. MUNICIPAL GOVERNMENT AND ADMINISTRATION—Three hours, first semester. A study of the principles and plans of City Government in the United States. Supplemented by occasional lectures of local officials concerning municipal problems peculiar to Youngstown. The problems of the modern city—home rule, public utilities, administrative organization, city finance, city planning, public health and recreation, schools, and other vital problems.

310. AMERICA'S FOREIGN POLICY—Three hours, second semester. 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 1788 through the World War and the many conferences since that time.

## PSYCHOLOGY

201. GENERAL PSYCHOLOGY—Three hours, either semester. An introduction to the fundamental principles of human behaviour. This includes a brief survey of the field, the relationship of physiological structure to behavior, leading to the study of the nature and development of motives, perception, various dynamic phases of consciousness, and the integration of personality. Pre-requisite to all other courses in the field.

202. SOCIAL PSYCHOLOGY—Three hours, either semester. A study of psychological principles and methods applied to social problems and factors influencing social and political life. Pre-requisite, Course 201.

203. CHILD PSYCHOLOGY—Three hours, either semester. A study of child traits and their functioning, emotional life and social problems of children as studied with reference to physical development and environmental reactions. Pre-requisite, Psychology 201.

301. APPLIED PSYCHOLOGY—Three hours, either semester. A systematic study of the problems, methods, and results of Psychology applied in professional and other fields. Pre-requisite, Psychology 201.

302. PSYCHOLOGY OF THE ABNORMAL MIND—Three hours, either semester. An analysis of the causes affecting mental mal-adjustments. A study of abnormal mental phenomena in relation to normal phenomena in the fields of perception, association, affection, volition, and personality. A survey of the theory of the unconscious, psychoanalysis, and psychotherapy. Pre-requisite, Psychology 201.

## SOCIOLOGY

301. PRINCIPLES OF SOCIOLOGY—Three hours, first semester. A study of the fundamental ideas and principles of sociology. Also a study of the origins and proposed solutions of some of our modern social problems. Text book, assigned readings and discussion.

304. SOCIAL PATHOLOGY—Three hours, second semester. A study of the social problems of society

# College of Law

## THE FACULTY

- Howard W. Jones, A. M. . . . . Director  
 George H. Gessner, Dean; Judge Common Pleas Court, Mahoning  
 County; LL. B., Western Reserve University.  
 Henry C. Church, LL. B., Western Reserve University.  
 H. Herschell Hunt, LL. B., Youngstown School of Law, 1923.  
 Harry P. McCoy, LL. B., Youngstown School of Law, 1920.  
 Knowles Wyatt, B. S., Muskingum College, 1912; LL. B., Youngstown  
 School of Law, 1923.

## COLLEGE CALENDAR

1932-1933

### Fall Quarter, 1932

- Major subject begin September 20, 1932, end December 9, 1932.  
 One-half majors begin September 20, 1932, end October 28, 1932.  
 One-half majors begin November 1, 1932, end December 9, 1932.

### Winter Quarter, 1932-33

- Major subjects begin December 13, 1932, end March 10, 1933.  
 One-half majors begin December 13, 1932, end January 27, 1933.  
 One-half majors begin January 31, 1933, end March 10, 1933.

### Spring Quarter, 1933

- Major subjects begin March 14, 1933, end June 2, 1933.  
 One-half majors begin March 14, 1933, end April 21, 1933.  
 One-half majors begin April 25, 1933, end June 2, 1933

### Summer Quarter, 1933

- Opens June 27, 1933, ends September 15, 1933.  
 Classes meet Tuesday and Friday from 7:00 to 8:30 and 8:30  
 to 10:00 P. M.

## GENERAL INFORMATION

Turn to the Liberal Arts section of this catalog for information regarding the Administrative Staff, Location, Religious Life, Attendance, Grading System, Texts, Registration, Employment Service, Rooming and Boarding Facilities, Student Council, Arts-Law Combination Course, etc.

## HISTORICAL SKETCH

Back in 1908 The Youngstown College of Law had its inception in a class in Commercial Law composed of about nine men.

In 1910 classes were started to prepare men for the bar examination. In 1920 the State of Ohio gave the school the right to grant the Bachelor of Laws degree. During the school year 1920-1921, Judge George H. Gessner became Dean and has guided the destinies of the school ever since. In 1924, about three thousand volumes were added to the Library. In September, 1925, the entrance requirements were raised so that two years of Liberal Arts are now required for entrance before the degree of LL. B. will be granted.

## OBJECTIVES AND METHODS OF INSTRUCTION

The law instruction of the Youngstown College of Law has the following objectives:

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

Development of the ability of legal reasoning is emphasized.

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

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

## THE QUARTER SYSTEM

The College 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.

## REQUIREMENTS FOR ADMISSION

### Regular Students

Persons having a good moral character and presenting satisfactory evidence of having successfully completed two years of college work, or such work as would be accepted for admission to the third or junior year in a college of Liberal Arts of the North Central Association of Colleges and Secondary Schools, may be admitted as regular students and will be candidates for the degree LL. B.

### Special Students

A limited number of persons who possess less than the amount of credit required for the law degree may be admitted as special students. No person can, however, be admitted as a special student without first securing the approval of the Dean.

### Advanced Standing

Credit may be granted, subject to the discretion of the faculty, for work done in other Law Schools of approved standing. Certified evidence of such work must be furnished by the student.

## REQUIREMENTS FOR BAR EXAMINATION

Since October 15, 1927, 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 procure one of these sheets and study it carefully upon entering Law School to be sure that he or she has fulfilled all requirements.

## MAKING UP LIBERAL ARTS REQUIREMENTS

Students lacking the two years Liberal Arts work now required for the degree and for the Bar Examination, may take this work in the day or evening Liberal Arts College. This work is fully accredited by the Supreme Court of the State of Ohio.

## DEGREES

In February, 1920, the State of Ohio, through the State Superintendent of Public Instruction, authorized The Youngstown College 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 subjects offered in the first year are to be taken before the student is permitted to elect any others.

A total of 60 semester hours is required for graduation.

## FEES

Tuition is due and must be paid during the first week of the quarter. Registration is not complete and admission to classes will not be approved until all tuition has been paid or payments arranged upon with the Business Manager.

Tuition each quarter, \$40.00.

A ten percent discount will be allowed to those who pay cash on the opening evening of each quarter. Students who desire to pay on the installment plan must arrange to pay at least half of the tuition during the first three days of the quarter and the balance within the first two months of the quarter.

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

## LIBRARY FACILITIES

The Law College maintains a Law Library of over five thousand volumes.

## SCHEDULE OF CLASSES, 1932-1933 AND 1933-1934

(No Freshman Class will be enrolled this year)  
Classes meet Tuesday and Friday Evenings

## Fall Quarter

7:00-8:30 P. M.	8:30-10:00 P. M.
Pleading and Practice I (1932-33)	Partnership (1/2) (1932-33)
Real Property I (1933-34)	Suretyship (1/2) (1932-33)
	Quasi Contracts (1933-34)

## Winter Quarter

7:00-8:30 P. M.	8:30-10:00 P. M.
Pleading and Practice II (1/2) (1932-33)	Jurisprudence I (1932-33)
Legal Ethics (1/2) (1932-33)	Negotiable Instruments (1933-34)
Real Property II (1933-34)	

## Spring Quarter

7:00-8:30 P. M.	8:30-10:00 P. M.
Brief Making (1/2) (1932-33)	Jurisprudence II (1932-33)
Conflict of Laws (1/2) (1932-33)	Sales (1/2) (1933-34)
Real Property III (1933-34)	Bailments and Carriers (1/2) (1933-34)

## Summer Quarter

7:00-8:30 P. M.	8:30-10:00 P. M.
Damages (Summer, 1933)	Real Property IV (Wills) (Summer 1933)

NOTE:—(1/2) indicates six week's work, or 1 semester hour.



## DESCRIPTION OF COURSES

(Arranged Alphabetically)

**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. 1 Hour. (1933-34).

**BRIEF MAKING AND USE OF LAW BOOKS**—Use of Digests, Annotated Cases, Statutes and Session Laws; Exercises in Brief Making, Oral Arguments, etc. Lectures and Exercises. 1 Hour. (1932-33).

**CONFLICT OF LAW**—The legal principles governing the applications of laws of different jurisdictions to cause of actions arising in one jurisdiction and enforced in another; judgments; obligations; personal rights; property rights; and a general outline of the subject. 1 Hour. (1932-33).

**DAMAGES**—Exemplary, liquidated, nominal, direct and consequential damages; avoidable consequences; counsel fees; certainty; compensation; physical and mental suffering; aggravation and mitigation; value; interest; special rules in certain actions of torts and contract. 2 Hours. (Summer 1933).

**JURISPRUDENCE (PART I)**—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. 2 Hours. (1932-33).

**JURISPRUDENCE (PART II)**—Constitutional History and Law of the United States, Langdon's Lectures on the Constitutional History of the United States, Ames' State Documents Illustrative of Federal Relations, Warren's History of the American Bar, Hall's Cases on Constitutional Law. 2 Hours. (1932-33).

**LEGAL ETHICS**—A lawyer's place in society is peculiar in that he represents himself, the courts, his clients, and the public. He should be of high attainments in learning and of unimpeachable professional conduct. The course in ethics comprehends his representa-

tive capacity and his duties and obligations, and is pursued in lectures, assigned readings, problems and the study of cases. 1 Hour. (1932-33).

**NEGOTIABLE INSTRUMENTS**—Drawing forms of negotiable paper, forms and formal requisites; 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. 2 Hours. (1933-34).

**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. 1 Hour. (1932-33).

**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. 3 Hours. (1932-33).

**QUASI-CONTRACTS**—Nature of obligation; restitution at law for benefits conferred in mis-reliance 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. 2 Hours. (1933-34).

**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. 2 Hours. (1933-34).

**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. 2 Hours. (1933-34).

REAL PROPERTY III—Future Interests in Land—Future Interests; conditions, reversions, remainders and conditional limitations; Rule against perpetuities. 2 Hours. (1933-34).

REAL PROPERTY IV—(Wills and Administration) Testamentary capacity; dispositions in contemplation of death; execution, revocation, republication, and revival of wills; descent; liability of heirs for debts; probate and administration; title and powers of executors and administrators; payment of debts, legacies and distributive shares. 2 Hours. (Summer 1933).

SALES—Subject Matter of sale, executory and executed sales, stoppage in transit, fraud, warranties and remedies for breach of warranties, statute of frauds. 1 Hour. (1933-34).

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; Suretyship defenses. 1 Hour. (1932-33).

## COLLEGE OF BUSINESS ADMINISTRATION

## The Faculty

- Howard W. Jones, A. M. . . . . Director  
Charles F. Axtmann, M. S. . . . . Dean  
M. S., Syracuse, 1913  
Elmer E. Burgeson, B. C. S., C. P. A.  
B. C. S., Youngstown College of Commerce and Finance  
Arthur L. Carter, LL. B.  
LL. B., Youngstown School of Law  
Walter Church, B. C. S.  
B. C. S., Youngstown College of Commerce and Finance  
W. E. Cox, Sales Specialist  
Philip A. Eberhart, B. C. S.  
B. C. S., Youngstown College of Commerce and Finance  
Roy R. Fellers, B. A.  
B. A., University of Michigan  
Joseph Flannery, B. A.  
M. E., Ohio State University  
F. F. Herr, LL. B.  
LL. B., Youngstown School of Law  
Whitney Herr, A. B.  
A. B., Oberlin College  
Elmer W. Hykes, B. S.  
B. S., Bliss College  
Nat Lewers, Advertising Specialist  
Otto L. Pfau, A. B.  
A. B., Wooster College  
S. E. Trinkle, Commercial Artist  
John Wampler, B. C. S.  
B. C. S., Youngstown College of Commerce and Finance

## COLLEGE OF BUSINESS ADMINISTRATION

The College of Business Administration offers a splendid opportunity for students to interchange courses of work in the College of Liberal Arts and in the College of Business Administration. Its purpose is to bring business men and women of Mahoning Valley an opportunity for first class training in Accountancy and Business Administration. Students are taught to analyze work and to understand the principles of accounting, both in business economics and in business law.

Students may interchange their work freely between the College of Business Administration and the College of Liberal Arts. It is possible to major in Business Administration with a minor in either Liberal Arts or Business Administration.

## GENERAL INFORMATION

Turn to the Liberal Arts section of this catalogue for information regarding the Administrative Staff, College Calendar, Location, Religious Life, Attendance, Grading System, Texts, Registration, Employment Service, Rooming and Boarding Facilities, Student Council, Arts-Business Administration Combination Course, Etc.

## TRANSFER OF CREDIT

Credits of the College of Business Administration are transferred on the same basis as those of the College of Liberal Arts.

## SCHOOL ORGANIZATIONS

**Sigma Kappa Phi**—In 1925 the Gamma chapter of the national Sigma Kappa Phi fraternity was established in the Youngstown College of Business Administration. Membership in this fraternity is considered a high honor. High qualities of scholarship, leadership, and character are demanded. It affords a means of cementing closer friendships among the students, the alumni, and the faculty.

## ACCOUNTANCY

The course, as outlined, has for its purpose the thorough training of those who expect to pursue Accountancy as a profession. For those in private practice, courses are provided to supplement the practical knowledge of the student. Bookkeepers and accountants who wish to take special work are eligible to enroll as special students upon presentation of evidence of their fitness to take the

courses desired. For those who are engaged in public practice and for those who expect to practice as public accountants, the complete course is recommended. In this, training is provided in the theory and practice of accounting, and in finance, economics and related subjects.

The field of public accounting is particularly alluring. It is the aim of this school to prepare its students thoroughly for the C. P. A. Examination.

### **BUSINESS ADMINISTRATION**

The business world is constantly calling for executives with better training and broader vision. Business executives have come to expect their employees to train themselves by study for the higher positions. They expect more than ability to handle the routine, mechanical work assigned. They expect the employee to study specific subjects such as, Marketing, Advertising, Salesmanship, Credits, Accounting, and Finance. If, to his natural ability, an employee adds such training, he is sure to reap rich rewards.

This course aims to develop general executives as well as specialists. The best specialists have been engaged as instructors. These men bring to the students the advantage of rich experience in the special fields. For prospective managers, and department heads, the four-year course is of great value.

### **REQUIREMENTS FOR TITLE OF ASSOCIATE IN BUSINESS ADMINISTRATION**

Students completing sixty semester hours of credit will be granted the title of Associate in Business Administration. This work may be completed in four years by taking certain summer courses, either in Liberal Arts or Business Administration. Forty-eight semester hours of credit may be earned in the regular four-year program, leaving twelve hours to be completed during summer sessions or a fifth year.

### **WHAT THE C. P. A. DEGREE MEANS**

In order that a standard may be maintained as in other professions, the State Board of Accountancy passes upon the qualifications of all applicants for examination for the degree of Certified Public Accountant and holds rigid examinations which must be passed by the applicant before any certificate is issued.

Students who plan to take the C. P. A. examination should secure a position in the office of a public accountant after the first year in school in order to meet the requirement of three years of practical experience.

To those meeting all requirements a certificate is issued authorizing the individual to use the letters C. P. A.

### TUITION FEES (Per Semester)

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

One subject.....	\$25.00
Two subjects.....	40.00
Three subjects.....	50.00

Tuition is due on the opening night of each semester. A \$5.00 carrying charge will be added if not paid by that time.

A graduation fee of \$5.00 will be charged.

Special examinations will be given as required. The fee will be \$2.00.

No extra charge will be made for registration.

OUTLINE OF COURSES

First Year

First Semester		Second Semester	
A-1	Theory of Accounting	A-2	Theory of Accounting
E-1	Business Letters and Reports	E-2	Business Letters and Reports
L-1	Law of Contracts and Agency	L-2	Law of Partnerships and Corporations

Second Year

A-5	Cost Accounting	A-6	Cost Accounting
Ec.-1	Economics	Ec.-2	Economics
L-3	Law of Negotiable Instruments	L-4	Law of Property and Bankruptcy

Third Year

A-3	Accounting Theory and Practice Elective Elective	A-4	Accounting Theory and Practice Elective Elective
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Fourth Year

A-11	Auditing Theory and Practice Elective Elective	A-12	Auditing Theory and Practice Elective Elective
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Electives

M-3	Salesmanship Fundamentals
M-10	Advertising Fundamentals
M-11	Advertising Practice
M-12	Marketing
E-3	Public Speaking
Adm. 4	Business Statistics and Forecasting
F-3	Credits and Collections
F-4	Money and Banking
A-7	Federal Taxes
A-9	Specialized Accounting
A-13	C. P. A. Quiz
A-14	C. P. A. Quiz
A-17	Interpretation of Financial Statements
F-5	Investments
F-6	Corporation Finance



**BRIEF DESCRIPTION OF COURSES**

(Each Course Carries a Credit of Two Semester Hours)

**Accountancy**

A-1 A-2—Theory and Practice of Accounting. A beginning course in the theory and practice of accounting.

A-3 A-4—Theory and Practice of Accounting. A continuation of Accounting A-1 and A-2.

A-5 A-6—Cost Accounting. A thorough course in Cost Accounting.

A-7—Federal Taxes. A course giving special attention to Income Tax Procedure. Covers such items as personal tax accounting, taxable and non-taxable incomes, deductions and losses, depreciation and depletion, invested capital, admissible and inadmissible assets, computation of taxes, and typical problems.

A-9—Specialized Accounting. A thorough course in specialized accounting for representative industries, such as department stores, foundries, flour mills, cement mills, banks, fire insurance companies, coal mining companies, and many others.

A-11 A-12—Auditing. An intensive course in Auditing Practice and Procedure, for advanced students in Accountancy.

A-13 A-14—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 placed on coaching candidates for C. P. A. examinations. The problem method will be followed in the main, supplemented with class discussion, lectures and quizzes. Based on C. P. A. Accounting, Vols. I and II, and Solutions, Newlove.

A-17—Interpretation of Financial Statements. An analysis of the fundamental principles involved in the proper construction and interpretation of financial statements. Study of statements of manufacturing, selling, public utility, insurance and other types of companies.

**Finance**

F-3—Credits and Collections. Based on Credits and Collections by Ettinger and Golieb. It teaches the principles and supplies

the facts that show just when and when not to grant credit. It explains where to get information about those who apply for credits and tells how to collect after credit is granted.

F-4—Money and Banking. A study of the financial organization of society.

F-5—Investments. A study of Capital and its supply and demand. Return on invested capital. Classification and analysis of securities. Types of investments to meet special needs. Calculation of return on investments. How to buy and sell securities. Investment forecasting.

F-6—Corporation Finance. Promotion of new industries. Capital structure of corporations. Evolution of a business. Working Capital, Surplus, Dividends. Voting Trusts. Investment Trusts. Public Utilities. Co-operative Plans. Re-organizations.

### **Business Law**

L-1—General Survey; Contracts; Agency. Bays' Commercial Law, Book I.

L-2—Partnerships; Corporations. Bays' Commercial Law, Book II.

L-3—Bailments and Carriers; Sales; Negotiable Paper; Banks; Suretyship. Bays' Commercial Law, Book III.

L-4—Property (Including Estates and Wills); Bankruptcy; Debtor; Creditor. Bays' Commercial Law, Book IV.

### **Administration**

Adm. 4—Business Statistics and Forecasting. Based on Elements of Statistical Methods, King, and Business Forecasting, Jordan. The use of charts, graphs and statistics as a means of control in business. A study of the periodic rise and fall of business as a training in developing foresight is the most valuable of business assets.

### **Marketing**

M-3—Salesmanship Fundamentals. A course for men who intend to sell, who are engaged in selling, and who are interested in mastering the fundamental marketing operations. Based on standard Y. M. C. A. course. Repeated second semester.

M-10—Advertising Fundamentals. The Occupation. The Growth. The Purpose. The Branches. The Circular. The Newspaper. The Letter. The Copy. The Art. The Layout. The Printing. The Sign.

M-11—Advertising Practice. A practical application of the principles taught in Advertising Fundamentals.

M-12—Marketing. Marketing functions. Problems in marketing farm products. Cooperative marketing of farm products. Marketing industrial goods. Marketing service. Direct Marketing. Brokers and sales agents. Wholesalers. Retailers. Trade Associations. Purchasing and stock turnover. Price determining factors. Selling and advertising.

### Economics

Ec-1 and 2—Business Economics. A study of modern economic organization; relationships and interdependence; influences affecting business activities; the underlying causes of changes in business conditions.

### English

E-1 E-2—Business Letters and Reports. A practical course in the writing of effective business letters, including credits, complaint, adjustment, sales, and other types of modern business communications. Based on the standard Y. M. C. A. course throughout the year.

E-3—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. Based on the standard Y. M. C. A. course. Repeated second semester.

## STUDENTS 1931-1932

## DAY LIBERAL ARTS

## SENIORS

Abramovitz, Carl, Youngstown  
 Buchanan, Blanche, Struthers  
 Chambers, James, Youngstown  
 Gulanish, Ann, Youngstown  
 Lesher, Marlea, Youngstown  
 Makres, Louis, Youngstown  
 Merwin, Howard, Youngstown  
 Morgan, Marion, Youngstown  
 O'Neil, Anthony, Girard  
 Russell, Clayton, Youngstown  
 Wagner, Louis T., Youngstown  
 Watkins, Frank, Youngstown  
 Wining, William, Youngstown

## JUNIORS

Barr, Glennetta (Mrs.), Youngstown  
 Barto, Peter, Youngstown  
 Beaumier, George, Hubbard  
 Bownas, William, Youngstown  
 Centofante, Albert, Youngstown  
 Cooper, Manning, Youngstown  
 Fails, Helen, Youngstown  
 Furdas, Olga, Youngstown  
 Gleason, Grace, Youngstown  
 Grant, Donald, Youngstown  
 Griffith, Thomas, Youngstown  
 Jefferson, Margaret, Youngstown  
 Kenny, Ruth, Youngstown  
 King, Richard E., Youngstown  
 Lesner, Milton, Youngstown  
 Leyshon, Randall Ford, Youngstown  
 Mahar, Mary, Youngstown  
 Marks, James, Youngstown  
 Mastriana, Fred, Poland  
 Naples, John, Youngstown  
 O'Brien, James, Youngstown  
 Rome, Manuel, Youngstown  
 Shale, Paul, Youngstown  
 Solar, Peter, Campbell  
 Sporer, Wanda, Youngstown  
 Strand, Grace, Youngstown  
 Strand, Ruth, Youngstown  
 Summers, Isabelle, Youngstown  
 Taylor, William X., Youngstown  
 Thompson, Edward R., Youngstown  
 Turner, Mary, Youngstown  
 Vinapol, Alvin C., Youngstown

## SOPHOMORES

Axelson, Harry, Youngstown  
 Banks, Paul, Youngstown  
 Bayowski, Emil, Mineral Ridge  
 Brown, Olive, Hubbard  
 Cocayne, Douglas, Youngstown  
 Cole, Robert, Youngstown  
 Cooper, Ruth, Struthers  
 Daniels, Mary Ellen, Youngstown  
 Donnan, Jeanne, Youngstown  
 Duncan, Charles, Youngstown  
 Everth, Margaret, Youngstown  
 Faust, Lawrence, New Middleton  
 Ferrall, Marion, Columbiana  
 Foley, Edward, Hubbard  
 Fulton, Ida Mae, Youngstown  
 Gleckler, Harold, Youngstown  
 Goldberger, Morton, Youngstown  
 Graham, Virginia, Youngstown  
 Griffiths, Rachel, Youngstown  
 Gulanish, Helen, Youngstown  
 Gulanish, Sally, Youngstown  
 Hackett, Paul E., Youngstown  
 Hartman, William, Youngstown  
 Helm, Lucille, Canfield  
 Herald, Jack, Youngstown

Hessler, Jack, Youngstown  
 Inglis, Lorena, Youngstown  
 Irwin, Kenneth, Nutwood  
 Johnson, William, Lowellville  
 Jones, Walter, Youngstown  
 Kryzan, Frances, Youngstown  
 Kubiak, Willis, Youngstown  
 Kunicki, Bennett, Youngstown  
 Lee, Marjory, Youngstown  
 Leidy, Grace, Youngstown  
 McCandless, Donald, Farmdale  
 McDermott, Beatrice, Youngstown  
 MacDonald, Thomas, Hubbard  
 MacKay, Edward, Youngstown  
 Macejko, Theodore, Struthers  
 Moore, Albert, Youngstown  
 Moreno, Anthony, Youngstown  
 Mulcahy, Charles, Youngstown  
 Passell, Sol, Youngstown  
 Patterson, Jack, Youngstown  
 Peterson, Harry, Youngstown  
 Phillips, James, Mineral Ridge  
 Piechowski, Sophie, Canton  
 Pore, Romuald, Youngstown  
 Reed, Virginia, Youngstown  
 Reigelman, Alvin, Youngstown  
 Rohrbaugh, Alice, North Lima  
 Ruback, Anne, Youngstown  
 Rudibaugh, John, Youngstown  
 Shutts, James, Youngstown  
 Sullivan, Robert, Youngstown  
 Treat, Joseph, Youngstown  
 Walsh, Lucille, Youngstown  
 Welsh, Edward, Youngstown  
 Wilson, Mabel, Youngstown  
 Withers, Harold, Canfield

## FRESHMEN

Abramovitz, Nathan, Youngstown  
 Aley, Clyde, Youngstown  
 Aley, Howard, Youngstown  
 Backus, Helen, Youngstown  
 Barnes, Grace, Youngstown  
 Beach, William, Youngstown  
 Belkin, Maxine, Youngstown  
 Best, William, Youngstown  
 Blattman, Elizabeth, Youngstown  
 Bowditch, Willits II., Beverly Hills, Cal.  
 Brincko, Margaret, Youngstown  
 Brown, Alexander, Youngstown  
 Brungard, Elizabeth, Youngstown  
 Bucheit, Alma, Youngstown  
 Bush, Betty, Youngstown  
 Butler, Ella Mae, Youngstown  
 Cannon, Thomas, Youngstown  
 Carbon, Americus, Sharon, Pa.  
 Carlson, John, Youngstown  
 Chizmar, George, Youngstown  
 Codrea, Ramon, Youngstown  
 Conklin, Isabelle, Struthers  
 Cooper, David, Youngstown  
 Copperman, Samuel, Youngstown  
 Coulter, Betty, Youngstown  
 Crockett, Alice, Youngstown  
 Daff, Leo, Youngstown  
 Del Bene, Frank, Girard  
 Dickson, James, Hubbard  
 Dingley, Carl, Youngstown  
 Dolak, Ann, Youngstown  
 Drissen, Ruth, Hubbard  
 Elser, Donald, North Lima  
 Evans, William K., Youngstown  
 Farragher, Georgiana, Youngstown  
 Fisher, Joseph, Youngstown

Foster, Marian, Youngstown  
Galizia, John, Hillsville, Pa.  
Gambrel, Mary Louise, Youngstown  
Gilbert, Bernard, Niles  
Grizinski, John, Campbell  
Gutterman, Morris, Youngstown  
Habuda, Ted, Youngstown  
Hall, Helen, Youngstown  
Hanelin, Miriam, Youngstown  
Hawn, Ben, Youngstown  
Heldman, Otis, Struthers  
Hercules, Mary K., Youngstown  
Holley, Raymond, Struthers  
Humphrey, Edward, Youngstown  
Itts, Archie, Youngstown  
Jaczek, Frank, Youngstown  
Jonas, Jay, Youngstown  
Kapciauskake, Taiba, Kalejmo, Lithuania  
Kerins, Charles, Youngstown  
Kinyurski, Joseph, Girard  
Kmentt, Arno, Youngstown  
Kneil, Morris, Youngstown  
Lamb, Merlin, Youngstown  
Ley, Philip, Youngstown  
Lindberg, Carl, Youngstown  
Lloyd, Thomas, Struthers  
Lyden, Coletta, Youngstown  
Lyden, Dan, Youngstown  
McCallister, Charles, Youngstown  
McCrillis, Orville, Youngstown  
McFarland, Fred, Youngstown  
McKenzie, Raymond, Youngstown  
McMaster, Charles, Girard  
MacDonald, William, Hubbard  
Marsh, Walter C., Girard  
Marsteller, Marjorie, Hubbard  
Marvin, Leah, Poland  
Migliarese, John, Lowellville  
Mikita, Joseph, Youngstown  
Miller, John, Youngstown  
Morris, Helen, Youngstown  
Morrison, Margaret, Youngstown  
Morrow, Jayne, Youngstown  
Morrow, Frank, Youngstown  
Ockerman, George, Youngstown  
O'Connor, John, Youngstown  
Oliver, Homer, Struthers  
Olson, Bernice, Youngstown  
Owen, Edward, Hubbard  
Owen, Hugh, Youngstown  
Palmer, Robert, Youngstown  
Patterson, John N., Mineral Ridge  
Platt, Richard E., Youngstown

Porembski, Chester, Youngstown  
Pose, Isaac, Sharon  
Putt, Thomas, Sharon, Pa.  
Quaranto, Albert, Youngstown  
Raupple, John, Youngstown  
Rearick, Kenneth, Columbiana  
Reilly, Kenneth, Hubbard  
Richards, Ronald, Youngstown  
Riddle, Evelyn, Youngstown  
Roemer, John, Struthers  
Rogers, Howard, Niles  
Rosenbaum, James K., Youngstown  
Rowland, Fred, Youngstown  
Roxbury, Thelma, Youngstown  
Sasu, Mary Ann, Youngstown  
Scali, Lena, Youngstown  
Schindler, Frank, Youngstown  
Sigle, Kathleen, Youngstown  
Smith, Gertrude, Youngstown  
Smith, Virginia, Youngstown  
Sobke, Christina, Youngstown  
Spirtos, Michael, Campbell  
Starr, Wilma, Youngstown  
Stewerwald, Karl, Youngstown  
Sutherland, Duncan, Youngstown  
Teacu, Troyan, Youngstown  
Tedrow, Hubert, Struthers  
Terlecki, John, Youngstown  
Trikilis, Nicholas, Campbell  
Trout, Elizabeth, Youngstown  
Vimmersteadt, Charles, Youngstown  
Walko, Elizabeth, Youngstown  
Warner, Carl, Boardman  
Warnock, Fred, Youngstown  
Waterbury, Lowell, Youngstown  
Weekly, Archie, Youngstown  
Welsh, Margery, Youngstown  
Welsh, Mary Catherine, Youngstown  
Williams, Helen, Youngstown  
Williams, James, Youngstown  
Wining, Caroline, Youngstown  
Zawrotnick, Joseph, Youngstown  
Zhuck, Ann, Youngstown  
Ziegler, Charles, Youngstown  
Zitnik, Frank, Youngstown  
Zoss, Myron, Youngstown

## IRREGULAR

Collier, Elizabeth, Youngstown  
Evans, Kermit, Lisbon  
Knowles, Charles, Youngstown  
Pore, Theodore, Youngstown  
Sonedecker, Louis, Youngstown  
Zuckerman, Myron, Youngstown

## EVENING COLLEGE OF LIBERAL ARTS

## SENIORS

Baker, Myrtle Edna, Youngstown  
Barker, William, Jr., Youngstown  
Boswell, Jessie H., Youngstown  
Edwards, Sara E., Niles  
Elser, R. E., North Lima  
Faulkner, Betsy Ann, Youngstown  
Freed, Virgil R., Youngstown  
Garrison, Bernice, Youngstown  
Harness, Joseph F., Struthers  
Hawkins, Pearl E., Youngstown  
Hedland, Elna, Youngstown  
Irwin, Elizabeth E., Warren  
Karam, Sam E., Youngstown  
Murray, Ann, Youngstown  
Polen, H. D., Struthers  
Rice, Elizabeth, Youngstown  
Rice, Sue, Youngstown  
Rowland, Jane, Youngstown  
Sanders, Ethel, Youngstown

Snyder, Minnie K., Youngstown  
Syferd, Florence B., Youngstown  
White, Anna Marie, Youngstown  
White, Irma J., Youngstown  
Whitmore, Hazel, Youngstown  
Williams, Nelson G., Youngstown

## JUNIORS

Baldwin, Elinor, Warren  
Bennett, Ted, Youngstown  
Bloom, Mary Louise, Youngstown  
Cridler, Ida Alice, Niles  
Ezvovetz, Gladys Carolyn, Youngstown  
Garwood, Irene, Youngstown  
Griffiths, John R., Youngstown  
Hill, Margaret, Struthers  
Johnston, Thelma, Youngstown  
Jones, Gladys Mae, Youngstown  
Jones, Grace Audrey, Youngstown  
Keyser, Florence, Youngstown  
Langin, Lucile, Youngstown

Lindsay, Sadie M., Struthers  
 McClurg, James H., Youngstown  
 McDermott, Margaret, Youngstown  
 McKnight, Freda, Youngstown  
 Malmer, Michael, Youngstown  
 Mariner, Minola, Youngstown  
 Owen, Mildred, Youngstown  
 Roberts, Eunice, Youngstown  
 Rome, Manuel, Youngstown  
 Roth, Rose F., Youngstown  
 Rumble, Hilda E., Youngstown  
 Smith, Rosa, Youngstown  
 Taylor, Olive, Youngstown  
 Thompson, Beryl, Youngstown  
 Warner, Avis, Hubbard  
 Wilkison, Rebekah, Youngstown  
 Zamary, Fred, Campbell

**SOPHOMORES**

Axelson, Albert R., Youngstown  
 Davis, Lawrence, Niles  
 Downing, Margaret, Youngstown  
 Grand-Girard, Marion, Sharon, Pa.  
 Halferty, Arthur, Youngstown  
 Hall, Jane, Youngstown  
 McCracken, C. N., North Jackson  
 Marshall, James R., North Jackson  
 Muldoon, Mrs. T. C., Youngstown  
 Myers, Wilfried, Struthers  
 Reed, William C., Campbell, Ohio  
 Wagman, Phillip, Youngstown

**FRESHMEN**

Abramovitz, Esther, Youngstown  
 Bailey, Russell, Youngstown  
 Blair, James P., Youngstown  
 Bower, Marion, Youngstown  
 Brooks, Deane, West Middlesex, Pa.  
 Brown, Walter S., Youngstown  
 Calpin, Thomas, Youngstown

Cornelius, Mrs. Elizabeth, Youngstown  
 Craig, R. D., Youngstown  
 Dicandrew, Michael, Girard  
 Doughton, Azalia, Hubbard  
 D'Ovidio, Mary Ann, Youngstown  
 Foster, G. Frederick, McDonald  
 Friedinan, Fred, Youngstown  
 Gabor, Joseph, Youngstown  
 Golaski, Frank, Masury  
 Gorman, James, Youngstown  
 Griffiths, John J., Youngstown  
 Griffiths, William, Youngstown  
 Harskovitz, Louis, Youngstown  
 Hoehnnle, Harry, Youngstown  
 Johnson, Harold A., Struthers  
 King, Virginia, Youngstown  
 Kornswiet, Lilah, Youngstown  
 Luchette, Leo, Masury  
 Martin, Ardis, Youngstown  
 Netre, Myrtle Cain, Youngstown  
 Nicholas, Stanley, Youngstown  
 Osiniak, Lottie, Youngstown  
 Pardee, James, Youngstown  
 Randle, Edna, Youngstown  
 Randle, Elsie, Youngstown  
 Richards, Florence, Youngstown  
 Schaeffer, T. J., Youngstown  
 See, Walter A., Youngstown  
 Shields, Paul, Youngstown  
 Stewart, Nell Fay, Youngstown  
 Thomas, F. D., Youngstown  
 Van Ness, Mary Isabel, Youngstown  
 Waldman, Arthur, Youngstown  
 Walsh, T. Carl, Youngstown  
 Way, Alice, Youngstown  
 Walker, Helen V., Youngstown  
 Whitney, Blanche, Youngstown  
 Witherspoon, Zita, Youngstown

**FINE ARTS**

Ballington, Marjorie, Youngstown  
 Butler, Randall, Youngstown  
 Davis, Miidred, Youngstown  
 DeToffol, Wanda, Youngstown  
 Goldberger, Audrey, Youngstown  
 Lamb, Caroline, Youngstown

Scott, Jane, Youngstown  
 Pevzner, Edward, Youngstown  
 Spratt, Robert, Youngstown  
 Stansbury, Francis, Youngstown  
 Sutter, Dorothy, Youngstown

**UNCLASSIFIED**

Atkinson, Mabel, New Castle, Pa.  
 Ball, Fred, Youngstown  
 Barrow, Clyde, Columbiana  
 Clemens, Esther, Youngstown  
 Davis, Stella, Youngstown  
 Detwiler, Mrs. Mary, Columbiana  
 Ewanik, Stella, Canfield  
 Gallagher, C. L., Youngstown  
 Gracey, Cora, Poland  
 Harley, Grace, Youngstown  
 Hawkins, Russell, Youngstown  
 Hoffman, Sadie, Youngstown  
 Hofmeister, Russell, New Castle, Pa.  
 Kay, Thomas R., Youngstown  
 King, Winona, Hubbard  
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 Thomas, Christine, Youngstown  
 Thompson, Ernest, Pulaski, Pa.  
 Thompson, Kenneth, Warren  
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 Herrlick, John, Youngstown

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 Myers, Russell E., Leetonia  
 Myers, Wilbur, Columbiana

Parker, Raymond W., Youngstown  
 Pinkerton, W. F., Jr., Girard  
 Schmid, C. J., Youngstown  
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 Forney, Randall, North Jackson  
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 Harroff, Homer, Youngstown  
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 Nathan, Morris, Farrell, Pa.  
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 Parthemos, Peter, Youngstown  
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 Reeber, Richard, Youngstown  
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 Snyder, Russell, Youngstown  
 Stillson, Charles, Youngstown  
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 Bergman, Elva, Youngstown  
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 Gilbert, Earl D., Warren  
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 O'Brien, A. J., Hubbard  
 Shevlin, Joe, Sharon, Pa.  
 Travers, Louis, Sharon, Pa.

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 Batman, Robert, Youngstown  
 Bollinger, Ray, Greenville, Pa.  
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 Cain, Hayden, Youngstown  
 Conway, Dan, Youngstown  
 Coy, Louise, Youngstown  
 Davis, Paul, Niles  
 Del Bene, D. J., Youngstown  
 Dunlap, L. W., Youngstown  
 Economus, Gus, Youngstown  
 Edeburn, Leroy, Hubbard  
 Fox, Leonard, Youngstown  
 Fusco, Philip, Niles  
 Gold, David, Girard  
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 Griffith, Alvin, Youngstown  
 Higgins, Robert, Youngstown  
 Johnson, Andrew, Youngstown  
 Kachel, Henry W., Youngstown  
 Kretzer, Isadore, Youngstown  
 Kramer, G. B. (Dr.), Youngstown  
 Kurz, Edward, Youngstown

Leffingwell, T. G., Warren  
 Lembke, Carl, Youngstown  
 McCaffrey, P. E., Youngstown  
 Mathewson, A. S., Youngstown  
 Mika, Felix, Youngstown  
 Nararoli, A. D., Youngstown  
 Owen, John, Youngstown  
 Ovington, Ralph, Salem  
 Perkins, J. R., Poland  
 Resch, Paul, Youngstown  
 Resch, Robert, Youngstown  
 Roberts, Bruce, Youngstown  
 Roller, C. C. (Dr.), Youngstown  
 Scullen, J. B., Youngstown  
 Seiple, Richard, Youngstown  
 Smeltzer, D. H. (Dr.), Youngstown  
 Tayler, M. B., Jr., Warren  
 Traxler, Marvin, Youngstown  
 Watt, Charles, Struthers  
 Williams, Russell, Youngstown  
 Wonders, Paul, Warren  
 Wright, Walter, Spokane, Ohio

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 Hubler, John W., Youngstown  
 Lyden, Burke, Youngstown

MacDonald, John D., Youngstown  
 Mathews, Earl D., McDonald  
 Morgan, Everett P., Youngstown  
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 Leach, Katherine R., Warren  
 Luard, Joseph A., Youngstown

Magid, Morris, Youngstown  
 Nichol, G. Stewart, Youngstown  
 Sage, Andrew, Farrell, Pa.  
 Sieman, David Meyer, Warren  
 Thomas, Gwladus, Niles  
 Weiner, Robert B., Sharon, Pa.

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## ASSOCIATE OF BUSINESS ADMINISTRATION

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 Cozza, James A., Youngstown  
 Gilbert, Earl D., Warren

Phillips, Pansy B., Youngstown  
 Rieser, John S., Youngstown



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