3-1951

Ursinus College Catalogue for the Eighty-first Academic Year, 1951-1952

Office of the Registrar

Ursinus College

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ATTENTION is especially called to the new requirements for admission to the course in Business Administration as described on page 23, to the programs for Concentration in Business Administration as outlined on page 33, and to the new Major in Psychology, as outlined on pages 35 and 77.
THE
URSINUS COLLEGE
BULLETIN

Catalogue Number

FOR THE

Eighty-first Academic Year

1951-1952

Collegeville, Pennsylvania
March 1951
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# The Calendar for 1951-52

### 1951

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### 1952

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### The College Calendar for 1951-52

#### 1951

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb 5</td>
<td>Monday</td>
<td>Spring Term begins, 8:00 A.M.</td>
</tr>
<tr>
<td>Feb 15</td>
<td>Thursday</td>
<td>Last day for filing Open Scholarship Applications</td>
</tr>
<tr>
<td>Mar 23</td>
<td>Friday</td>
<td>Spring Recess begins, 5:30 P.M.</td>
</tr>
<tr>
<td>Apr 2</td>
<td>Monday</td>
<td>Spring Recess ends, 8:00 A.M.</td>
</tr>
<tr>
<td>June 2</td>
<td>Saturday</td>
<td>Alumni Day</td>
</tr>
<tr>
<td>June 3</td>
<td>Sunday</td>
<td>Baccalaureate Service, 10:45 A.M.</td>
</tr>
<tr>
<td>June 4</td>
<td>Monday</td>
<td>Commencement, 11:00 A.M.</td>
</tr>
<tr>
<td>June 11</td>
<td>Monday</td>
<td>First Summer Session begins, 8:00 A.M.</td>
</tr>
<tr>
<td>July 20</td>
<td>Friday</td>
<td>First Summer Session ends, 5:30 P.M.</td>
</tr>
<tr>
<td>July 23</td>
<td>Monday</td>
<td>Second Summer Session begins, 8:00 A.M.</td>
</tr>
<tr>
<td>Aug 31</td>
<td>Friday</td>
<td>Second Summer Session ends, 5:30 P.M.</td>
</tr>
<tr>
<td>Sept 24</td>
<td>Monday</td>
<td>Freshman Program begins</td>
</tr>
<tr>
<td>Sept 26</td>
<td>Monday</td>
<td>Winter Term begins, 8:00 A.M.</td>
</tr>
<tr>
<td>Nov 21</td>
<td>Wednesday</td>
<td>Thanksgiving Recess begins, 5:30 P.M.</td>
</tr>
<tr>
<td>Nov 26</td>
<td>Monday</td>
<td>Thanksgiving Recess ends, 8:00 A.M.</td>
</tr>
<tr>
<td>Dec 14</td>
<td>Friday</td>
<td>Christmas Recess begins, 5:30 P.M.</td>
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</table>

#### 1952

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<thead>
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<th>Date</th>
<th>Day</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>Jan 2</td>
<td>Wednesday</td>
<td>Christmas Recess ends, 8:00 A.M.</td>
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<tr>
<td>Jan 25</td>
<td>Friday</td>
<td>Winter Term ends, 5:30 P.M.</td>
</tr>
<tr>
<td>Feb 4</td>
<td>Monday</td>
<td>Spring Term begins, 8:00 A.M.</td>
</tr>
<tr>
<td>Feb 15</td>
<td>Friday</td>
<td>Last Day for filing Open Scholarship Applications</td>
</tr>
<tr>
<td>Mar 21</td>
<td>Friday</td>
<td>Spring Recess begins, 5:30 P.M.</td>
</tr>
<tr>
<td>Mar 31</td>
<td>Monday</td>
<td>Spring Recess ends, 8:00 A.M.</td>
</tr>
<tr>
<td>May 31</td>
<td>Monday</td>
<td>Alumni Day</td>
</tr>
<tr>
<td>June 1</td>
<td>Sunday</td>
<td>Baccalaureate Service, 10:45 A.M.</td>
</tr>
<tr>
<td>June 2</td>
<td>Monday</td>
<td>Commencement, 11:00 A.M.</td>
</tr>
<tr>
<td>June 9</td>
<td>Monday</td>
<td>First Summer Session begins, 8:00 A.M.</td>
</tr>
<tr>
<td>July 18</td>
<td>Friday</td>
<td>First Summer Session ends, 5:30 P.M.</td>
</tr>
<tr>
<td>July 21</td>
<td>Monday</td>
<td>Second Summer Session begins, 8:00 A.M.</td>
</tr>
<tr>
<td>Aug 29</td>
<td>Friday</td>
<td>Second Summer Session ends, 5:30 P.M.</td>
</tr>
<tr>
<td>Sept 22</td>
<td>Monday</td>
<td>Freshman Program begins</td>
</tr>
<tr>
<td>Sept 24</td>
<td>Wednesday</td>
<td>Winter Term begins, 8:00 A.M.</td>
</tr>
</tbody>
</table>
Historical Sketch

**Ursinus College** had its educational beginning in 1832 when Todd's School was opened at Perkiomen Bridge, now Collegeville. In 1848, Freeland Seminary was opened on a tract adjacent to Todd's School and within a period of twenty years gave an education to many hundreds of young men.

In 1868 the work of founding a liberal arts college was undertaken by a body of men actuated by a desire to serve the interests of higher education and evangelical Christian religion. In 1869 the Act of Incorporation was granted by the Legislature of Pennsylvania. The site of Freeland Seminary was chosen, and instruction was begun on September 6, 1870. In 1881 the doors of the College were opened to women.

When the College was founded Freeland Seminary was incorporated into it as its preparatory department, and became known as Ursinus Academy. It was operated as such until 1910, when it was discontinued.

From 1871 to 1898 the Ursinus School of Theology was conducted at Collegeville. In the latter year it was moved to Philadelphia. In 1907 it was merged with the Central Theological Seminary at Dayton, Ohio, where it was continued until its termination in 1933.

**LOCATION AND ENVIRONMENT**

The College is located in Collegeville, a borough of 1900 population, in Montgomery County, Pennsylvania, twenty-five miles northwest of Philadelphia. Collegeville is located on National Highway 422 and State Highway 29. It may be conveniently reached from Philadelphia by means of trains of the Pennsylvania, Reading, or Philadelphia and Western (69th Street Terminal) railroads to Norristown, Pennsylvania, whence buses leave hourly for Collegeville, carrying passengers directly to the College.

Students at Ursinus have all the advantages of living in the country and at the same time being close enough to the city to have easy access to such additional opportunities for culture as the Philadelphia Orchestra, grand opera, legitimate theatres, museums, lectures, and exhibits.
ACCREDITATION

Ursinus is a member of the Association of American Colleges, and is on the approved list of the Middle States Association of Colleges and Secondary Schools, the American Association of University Women, and the Association of American Universities.

NEEDS

The College constantly employs fully the equipment and resources at its disposal. The steady growth of the institution should encourage its friends to provide for its further needs. The following present exceptional opportunities for gifts and memorials: endowment of scholarships, $2,000 to $10,000 each; endowment of professorships, $80,000 and upwards; general endowment funds, $5,000 and upwards; residence halls for women, $60,000 and upwards; an infirmary, $35,000. The counsel of the President of the College should be sought with a view to obtaining the most advantageous cooperation on the part of benefactors.

GIFTS AND BEQUESTS

It is the judgment of those who have had the responsibility of disposing of large fortunes that Education furnishes the most promising field for benevolence. The great philanthropic foundations, after discriminating scientific inquiry into the ways and means of doing good with accumulated wealth, have made Education their chief objective.

The practice of making donations during one's life rather than making bequests to be executed after death is recommended. In this way the donor has absolute assurance that his wishes are being carried out, he has the satisfaction of seeing his gift bearing fruit in the improved work of the institution, and he avoids the deflection of part of his proposed gift in the form of inheritance taxes.

When the donor wishes to retain the income of his estate during his lifetime, a very satisfactory arrangement is provided in Ursinus College Annuity Bonds, which the College issues in exchange for cash or property. Annuity Bonds guarantee to the donor a fixed income payable semi-annually during the period of his natural life, and upon his death the bonds become null and void, and the gifts which they represent continue as permanent possessions of the College.

*The Association of American Universities late in 1949 discontinued its practice of accrediting colleges and universities. At that time Ursinus had been continuously approved by the Association for many years.*
Buildings and Equipment

BUILDINGS

Bomberger Memorial Hall, named for J. H. A. Bomberger, President of Ursinus College, 1870-1890, is a large and imposing structure in the Romanesque style of architecture, built of Pennsylvania blue marble. This building is for the use of the departments of language and literature, the social sciences, history, philosophy, religion, public speaking, and music. In it are the chapel, twelve classrooms, six conference rooms, a seminar room, two music studios, two day studies, and the offices of the Dean, the Dean of Men, the Registrar, the Treasurer, the Director of Student Teaching and Placement, and the Alumni Secretary. The erection of Bomberger Hall was made possible by the benefactions of the late Robert Patterson. The Clark Memorial Organ occupies a position in the front of the chapel in Bomberger Hall. It is a memorial to the late Charles Heber Clark, LL.D., and was the gift of his wife.

Pfahler Hall of Science, erected in 1932, and named in honor of Dr. George E. Pfahler, is a stone and concrete building. The first floor and basement are devoted to work in psychology, education, mathematics, and physics, the second floor to biology, and the third floor to chemistry. The building contains the offices of the President and Vice-President, the Levi Jay Hammond Laboratory of Comparative Anatomy, the W. Wayne Babcock Laboratory of General Biology, the Anna Heinly Schellhamer Laboratory, the Schellhamer Laboratory, nine other teaching laboratories, two laboratories for research, nine professors' laboratories and offices, seven classrooms, a lecture hall with gallery and projection booth, and a library. The building is equipped with a deck for astronomical observation, on which is mounted the Elihu Thomson Memorial Telescope.

The Alumni Memorial Library contains reading rooms, offices of the library staff, seminar rooms, workroom, faculty and directors' room, stacks, vaults containing rare books and manuscripts, music room, and the Shaw-Bernard (Museum) Collection.
The Library collection of 41,000 volumes, exclusive of government documents and pamphlets, has been selected to serve the needs of the liberal arts college. The resources of the Library are kept up-to-date by the current purchase of books in curricular and general subject fields. In addition, the Library currently receives over 200 periodicals and newspapers. The collection contains such basic and important reference sets as Chemical Abstracts, Beilstein's Handbuch der Organischen Chemie, Biological Abstracts, the Americana and Britannica encyclopedias, The New English Dictionary, Der Grosse Brockhaus, the Cambridge histories, Dictionary of National Biography, and Dictionary of American Biography. The location of Ursinus College in the Philadelphia area makes available for special studies the considerable bibliographical holding of the region's libraries through personal consultation or inter-library loan.

Aside from reference works, periodicals, and course reserves for assigned reading, library books circulate for a two-week period with renewal privileges. A competent staff is available to assist students in the use of the Library.

**LIBRARY HOURS**

(Regular Session)

Monday–Thursday: 8 a.m.–12 m.; 12:30 p.m.–5:00 p.m.; 6:30 p.m.–9:30 p.m.

Friday: 8 a.m.–12 m.; 12:30–5:00 p.m.

Saturday: 9 a.m.–12 m.

Sunday: 6:30 p.m.–9:30 p.m.

The Thompson-Gay Gymnasium, built in 1927, occupies a convenient position adjoining Patterson Field and John B. Price Field. It is built of native brownstone, structural steel, and concrete. It contains a playing-floor, a gallery for spectators, locker rooms, shower rooms, coaches' offices, and storage rooms. At one end of the main floor is a completely equipped theatrical stage. Portable seating constitutes part of the equipment of the building. This building is a memorial to Robert W. Thompson, '12, and George H. Gay, '13, noted Ursinus athletes, both of whom died in their senior year in College.
THE COLLEGE GYMNASIUM, erected in 1947, is located near the Thompson-Gay Gymnasium and Price Field. It contains a large basketball court, two single handball courts, seating for 800 spectators, two dressing and shower rooms for players, a dressing room for officials, and storage rooms.

PATTERSON FIELD, named for Robert Patterson, first benefactor of the College, contains the varsity football field, space for competition in field events, and a quarter mile track with a 220 yard straightaway. The steel grandstand provides seating for 1440 spectators.

PRICE FIELD, named for Dr. John B. Price, ’05, one of the great athletes in Ursinus history, contains the soccer field, the baseball diamond, several softball fields, and football practice ground.

The College has six tennis courts, two of which have all-weather surface, in the rear of Curtis Dormitory.

The women’s hockey fields are located in the rear campus near the Alumni Memorial Library.

FREELAND HALL, erected in 1848, the original building of Freeland Seminary, DERR HALL, and STINE HALL constitute a group of buildings for domestic purposes. The buildings are of stone, four stories in height with a fifth story of dormer rooms. On the two lower floors are the dining rooms, four in number, the kitchen, storage and refrigeration rooms, and the office of the steward. The upper floors are fitted up for the residence of men students. The rooms are of varying size, designed for one or two occupants, a number being arranged en suite.

THE BRODBECK and CURTIS DORMITORIES FOR MEN are buildings in English Colonial style. Each building has four floors. The rooms are spacious, well-lighted, and easy of access by means of fireproof stairways. They bear the names of esteemed benefactors of the College, Andrew R. Brodbeck and Cyrus H. K. Curtis.

FIRCROFT, a residence for women students, was presented to the College by Miss Sara E. Ermold as a memorial to her mother, Ella N. Ermold.

HOBSON HOUSE, is located at Sixth Avenue and Main Street. It is used as a residence hall for women.

FETTEROLF HOUSE, fronting on Main Street and facing the College campus, is a residence hall for men.
SHREINER HALL, fronting on Main Street and facing the College campus, is a residence hall for women. This is a three-story brick building arranged for the accommodation of twenty-nine students. On the first floor are a reception room and the office of the Dean of Women.

DURYEA HALL, next to Shreiner Hall, is a residence hall for fourteen women and a faculty family.

TRINITY COTTAGE, familiarly known as South Hall, is a residence for women located on Sixth Avenue. The building, with the grounds on which it is located, represents a joint benefaction to the college by the late Henry M. Housekeeper, who was an elder in Trinity Reformed Church, Philadelphia, and the late Abram G. Grater, who was an elder in Trinity Reformed Church, Norristown, Pa.

THE MAPLES, a three-story building located on Main Street, opposite the east campus, is a residence hall for women.

SPRANKLE HALL, on the east campus fronting Fifth Avenue, is a residence hall and infirmary for women.

SUPERHOUSE, a residence on Main Street opposite the campus, bequeathed to the College by the late Henry W. Super, D.D., LL.D., Vice-President and Professor of Mathematics, 1870-1891, and President, 1892-1893, is the home of the Vice-President.

LYNNEWOOD is a private residence hall for women, on Main Street opposite the west campus.

GLENWOOD, CLAMOR HALL, 646 MAIN STREET, 724 MAIN STREET, 942 MAIN STREET, 944 MAIN STREET, Collegeville, and 27 MAIN STREET, Trappe, are buildings leased by the College to provide additional residence quarters.

THE EGER GATEWAY, erected by the generosity of George P. Eger, of Reading, Pennsylvania, stands at the entrance of the walk leading from Main Street to Freeland Hall.

POST OFFICE AND SUPPLY STORE. A Post Office is maintained on the campus for the accommodation of students. Adjacent to the Post Office is a Supply Store, in which are kept on sale college jewelry, stationery, confections, and students' supplies. New text-books are supplied on order.
The Directors

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<thead>
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<th>Name and Title</th>
<th>First Elected</th>
<th>Term Expires</th>
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<td>REV. Titus A. Alspach, D.D., Lancaster</td>
<td>1925</td>
<td>1955</td>
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<td>Margaret Claflin Atkinson, B.S., Haddonfield, N. J.</td>
<td>1949</td>
<td>1955</td>
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<td>Charles A. Behney, M.D., Los Alamos, N. M.</td>
<td>1937</td>
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<td>REV. C. Eugene Blum, B.A., B.D., York</td>
<td>1950</td>
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<td>Hon. Thomas E. Brooks, LL.D., Red Lion</td>
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<td>Walter R. Douthett, M.A., Darby</td>
<td>1936</td>
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<td>Sherman A. Eger, M.D., Cynwyd</td>
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<td>REV. Arthur Fretz, B.A., B.D., Allentown</td>
<td>1948</td>
<td>1953</td>
</tr>
<tr>
<td>Edward S. Fretz, LL.D., Collegeville</td>
<td>1925</td>
<td>1955</td>
</tr>
<tr>
<td>Francis J. Gildner, Esq., B.A., LL.D., Allentown</td>
<td>1924</td>
<td>1954</td>
</tr>
<tr>
<td>Donald L. Helfferich, Esq., B.A., LL.B., Collegeville</td>
<td>1927</td>
<td>1952</td>
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<tr>
<td>REV. George W. Henson, D.D., Philadelphia</td>
<td>1911</td>
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<td>REV. Henry J. Herber, D.D., Lebanon</td>
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<td>Rhea Duryea Johnson, B.A., Philadelphia</td>
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<td>Robert L. Johnson, LL.D., Philadelphia</td>
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<td>REV. W. Sherman Kerschner, D.D., Philadelphia</td>
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<td>Charles Lachman, Bryn Mawr</td>
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<td>Irene F. Laub, M.D., Sc.D., Easton</td>
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<td>REV. John Lentz, D.D., Norristown</td>
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<td>D. Sterling Light, B.A., Norristown</td>
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<td>N. E. McClure, Ph.D., Litt.D., LL.D., L.H.D., Collegeville</td>
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<td>REV. James M. Niblo, D.D., Norristown</td>
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<td>Charles H. Noss, York</td>
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<td>Harry E. Paisley, LL.D., Philadelphia</td>
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<td>William D. Reimert, B.A., Allentown</td>
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<td>William H. Schellhamer, M.D., York</td>
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<td>Harold D. Steinbright, Center Point</td>
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<td>Robert R. Titus, B.S., LL.D., Villanova</td>
<td>1948</td>
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<td>Ernest G. Wagner, Ph.D., Sc.D., Swarthmore</td>
<td>1946</td>
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<td>Ralph F. Wismer, Esq., B.A., Collegeville</td>
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* Resigned January 12, 1951
‡ Resigned October 31, 1950
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Professor of English  

JOHN WENTWORTH CLAWSON, M.A., Sc.D., Dean; Professor of Mathematics  
B.A., M.A., University of New Brunswick; B.A., Cambridge University; Sc.D., Ursinus College.

CARL VERNON TOWER, PH.D., Professor of Philosophy, Emeritus  
B.A., M.A., Brown University; Ph.D., Cornell University.

ELIZABETH BRETT WHITE, PH.D., Professor of History, Emeritus  
B.A., Cornell University; M.A., University of Wisconsin; Ph.D., Clark University.

MARTIN WEAVER WITMER, B.A., Professor of English, Emeritus  
B.A., Franklin and Marshall College.

JESSE SHEARER HEIGES, M.A., PED.D., Professor of Education, Emeritus  
B.A., M.A., Ursinus College; M.A., New York University; Ped.D., Ursinus College.

JAMES LANE BOSWELL, PH.D., Professor of Economics  
B.A., Georgetown College; M.A., Ph.D., University of Pennsylvania.

RUSSELL DAVIS STURGIS, PH.D., Professor of Chemistry  
B.A., University of Delaware; M.S., Ph.D., University of Pennsylvania.

GEORGE RUSSELL TYSON, PH.D., Professor of Psychology and Education  
B.S., M.A., Ph.D., University of Pennsylvania.

JOHN HAROLD BROWNBACK, B.A., Sc.D., Professor of Biology  
B.A., Sc.D., Ursinus College.

MAURICE OBERLIN BONE, B.C.S., Professor of Economics  
B.C.S., Northwestern University.

FRANK LEROY MANNING, PH.D., Professor of Mathematics  
B.S., Cornell University; M.S., Rutgers University; Ph.D., Cornell University.

* Listed in order of appointment to present rank; appointments of the same year are listed alphabetically.
THE FACULTY, 1951-52

DONALD GAY BAKER, Ph.D., Professor of Greek
B.A., Haverford College; M.A., Ph.D., Harvard University.

GEORGE WELLINGTON HARTZELL, PH.D., Professor of German
B.A., Lehigh University; M.A., University of Pennsylvania.

CALVIN DANIEL YOST, JR., PH.D., Professor of English
B.A., Ursinus College; M.A., Ph.D., University of Pennsylvania.

MAURICE WHITMAN ARMSTRONG, S.T.M., PH.D., Professor of History
B.A., M.A., Dalhousie University; B.D., Pine Hill Divinity Hall;
S.T.M., Ph.D., Harvard University.

WILLIAM SCHUYLER PETTIT, M.S., Assistant Registrar; Professor of Chemistry
B.S. in Chem., M.S., University of Pennsylvania.

HARVEY ROSEN VANDERSLICE, M.A., PED.D., Professor of Education
B.A., Ursinus College; M.A., University of Pennsylvania; Ped.D.,
Ursinus College.

PAUL RAYMOND WAGNER, PH.D., Professor of Biology
B.S., Ursinus College; M.S., Ph.D., University of Pennsylvania.

CHARLES LYON CHANDLER, B.A., LL.D., Professor of Political Science
B.A., Harvard University; LL.D., University of Porto Alegre; LL.D.,
University of Bogota.

EVERETT MARTIN BAILEY, M.A., Director of Athletics; Professor of Physical Education
B.P.E., B.S., Springfield College; M.A., Columbia University.

JOHN JACOB HEILEMANN, PH.D., Professor of Physics
B.A., M.A., Ph.D., University of Pennsylvania.

CHARLES DAVID MATTERN, PH.D., Professor of Philosophy
B.S., Ursinus College, Ph.D., University of Pennsylvania.

EUGENE HERBERT MILLER, PH.D., Professor of Political Science
B.A., Ursinus College; M.A., Ph.D., Clark University.

WILLIAM FRANKLIN PHILIP, MUS. DOC., Professor of Music
Mus.B., Mus.M., Mus.Doc., State Academy of Church and School Music,
Berlin.

FOSTER LEROY DENNIS, PH.D., Professor of Mathematics
B.S., Ursinus College; M.A., Cornell University; Ph.D., University of
Illinois.

WILLIAM JOHN PHILLIPS, PH.D., Registrar; Professor of English
B.A., M.A., Ph.D., University of Pennsylvania.

ALFRED MILES WILCOX, M.A., Professor of French
B.A., Wesleyan University; M.A., Brown University.
ELEANOR FROST SNELL, M.A., Professor of Physical Education  
B.A., University of Nebraska; M.A., Columbia University.  

TILTON MARSHALL BARRON, B.S. in L.S., Librarian  
B.A., Colorado College; B.S. in L.S., Columbia University.  

GEORGE WARREN RICHARDS, M.A., D.D., D.TH., Visiting Professor of Church History  

CORNELIUS WEGANDT, Ph.D., Litt.D., LL.D., Visiting Professor of English  

JAMES ALLAN MINNICH, M.A., Associate Professor of Education  
B.S., M.A., University of Pennsylvania.  

*WILLIAM SPENCER CHILD, Ph.D., Associate Professor of English  
B.A., M.A., Ph.D., University of Pennsylvania.  

GARFIELD SIEBER PANCOAST, M.A., Dean of Men; Associate Professor of Political Science  
B.S., Ursinus College; M.A., University of Pennsylvania.  

HELEN THOMPSON GARRETT, Ph.D., Associate Professor of French  
B.A., Swarthmore College; Diplome, University of Lille; Ph.D., University of Pennsylvania.  

ALLAN LAKE RICE, Ph.D., Associate Professor of German  
B.A., M.A., Ph.D., University of Pennsylvania.  

*WALTER BRENTON ROSS, M.A., Associate Professor of History  
B.A., Dalhousie University; M.A., Harvard University; M.A., Oxford University.  

RAYMOND VICTOR GURZYNKI, M.Ed., Assistant Professor of Physical Education  
B.S., Ursinus College; M.Ed., Temple University.  

KUHRT WIENEKE, M.S., Assistant Professor of Physical Education  
B.A., Thiel College; B.P.E., Springfield College; M.S., Pennsylvania State College.  

MARIBELLE WALDO, B.A., Assistant Professor of Physical Education  

GEOFFREY DOLMAN, M.A., Assistant Professor of English  
B.A., M.A., University of Pennsylvania.  

Natalie Austin Hogeland Whiting, B.S., Assistant Professor of Physical Education
B.S., Ursinus College.

Elizabeth Moroney, B.S. in L.S., Assistant Librarian
B.A., B.S. in L.S., Syracuse University.

E. Parker Worley, B.A. in L.S., Assistant Librarian

Alfred Leon Creager, B.S., B.D., Chaplain; Lecturer in Religion
B.S., Ursinus College; B.D., The Theological Seminary, Lancaster.

Jessie Ashworth Miller, Ph.D., Lecturer in Sociology
B.A., University of Maine; M.A., Ph.D., Clark University.

Marian Gertrude Spangler, B.A., Instructor in Music
B.A., Ursinus College.

Roger Powell Staiger, M.S., Instructor in Chemistry
B.S., Ursinus College; M.S., University of Pennsylvania.

Evan Samuel Snyder, B.S., Instructor in Physics
B.S., Ursinus College.

James Douglas Davis, M.A., Instructor in History
B.A., Ursinus College; M.A., University of Pennsylvania.

Blanche Beatrice Schultz, M.S., Instructor in Mathematics
B.S., Ursinus College; M.S., University of Michigan.

James Clifford Hirst, M.S., Instructor in Psychology
B.S., Franklin and Marshall College; M.S., Purdue University.

Harold Lloyd Jones, Jr., M.A., Instructor in English
B.A., University of Delaware; M.A., University of Pennsylvania.

Ammon George Kershner, Jr., M.A., Instructor in English
B.S., M.S., M.A., University of Pennsylvania.

William Thomas Parsons, M.A., Instructor in French
B.A., Ursinus College; M.A., University of Pennsylvania.

James Swoyer Straub, M.A., Instructor in German
B.A., Ursinus College; M.A., Middlebury College.

Harry Clay Symons, B.A., Instructor in Economics
B.A., Pennsylvania State College.

Malcolm Campbell, B.A., LL.B., Instructor in Political Science
B.A., Swarthmore College; LL.B., Temple University.

James Robinson Herbsleb, M.A., LL.B., Instructor in Economics
B.A., College of the Pacific; LL.B., M.A., Temple University.
WALTER WOODROW MARSTELLER, B.S., Instructor in Physics
B.S., Ursinus College.

ALFRED D. ROBERTS, B.A., Instructor in Romance Languages
B.A., Ursinus College.

ELIZABETH ANN ESCHELMAN GRANT, B.S., Assistant in Biology
B.S., Ursinus College.

DOROTHY HELEN POST, B.S., Assistant in Biology
B.S., Ursinus College.

GERALD F. SEEDERS, B.S., Assistant in Physical Education
B.S., University of Pennsylvania.

OFFICERS OF THE FACULTY
Chairman, THE PRESIDENT
Secretary, PROFESSOR YOST

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THE PRESIDENT
PROFESSOR YOST

THE DEAN
PROFESSOR STURGIS

PROFESSOR BONE

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Chemistry-Biology-Physics Group, Professors Brownback, Sturgis, Tyson, and Heilemann

History-Social Science Group, Professors Armstrong and Miller

English Group, Professor Yost

Foreign Languages Group, Professors Hartzell and Wilcox

Business Administration Group, Professor Boswell

Physical Education Group, Professor Vanderslice

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Scholarships: THE PRESIDENT, DEAN CLAWSON, PROFESSOR MILLER, PROFESSOR PETTIT, PROFESSOR MATTERN, PROFESSOR PHILLIPS.

Student Activities: PROFESSOR BROWNBACK, PROFESSOR BONE, DEAN STAHR, MR. CREAGER, DEAN PANCOAST.

Student Publications: PROFESSOR MATTERN, PROFESSOR BONE, PROFESSOR BROWNBACK, PROFESSOR CHILD, PROFESSOR PHILLIPS, MR. JONES

Athletics: PROFESSOR BAILEY, DEAN PANCOAST, PROFESSOR DENNIS, PROFESSOR VANDERSLICE.

Forum: PROFESSOR ARMSTRONG, PROFESSOR MILLER.

THE ALUMNI ASSOCIATION

Graduates of the College and all persons admitted to a degree higher than the first in the institution are eligible to active membership. Non-graduate former students may become associate members.

The Association is entitled to a representative of five members in the Board of Directors. These members are nominated by the Association and serve five years.

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URSINUS ALUMNI ASSOCIATION OF LEHIGH VALLEY
President—Dr. George Clark, 402 Cattel St., Easton, Pa.
Secretary—Mildred Hahn, 2810 Jewel Street, Easton, Pa.
Admission

The first step in seeking admission to Ursinus College is the filing of a formal application. A form for this purpose may be had by addressing the Registrar, Ursinus College, Collegeville, Pa. Upon receipt of this form properly filled out the College will send to the applicant’s school principal or headmaster for the school record. Further inquiry is made as to the character and fitness of the candidate to do the work of the institution, and if found qualified the applicant is notified and a place is reserved for him in the College. Each new student remains on probation during his first semester. Each candidate for admission must present a certificate of sound health on a form provided by the Registrar.

All candidates for admission to the Freshman Class must take the Scholastic Aptitude Test and the English Composition Sub-test of the College Entrance Examination Board. If the Committee on Admission and Standing deem it advisable, candidates for admission may be required to take additional tests specified by the Committee, so that their fitness to do college work may be fairly evaluated. Scores made on these tests are used not only in selecting members of the Freshman Class but also in placing them in certain courses after selection. The Committee on Admission and Standing may in exceptional cases prescribe other tests than those of the College Entrance Examination Board.

Candidates for admission should place their application with the College not later than the close of the first term of the final year in high or preparatory school. Upon receipt of their full credentials they will be informed specifically of tests they must take to be considered for admission.

Terms of Admission

If the applicant is a graduate of a four year school, he should offer for admission at least fifteen units; if he is a graduate of a senior high school, he should offer at least twelve units.
ADMISSION

The applicant should present the following units: English 3, Elementary Algebra, 1; Plane Geometry, 1; Science, 1; Social Studies, 1; Foreign Languages, 2. On the standard four year basis for consideration two and one-half additional units in acceptable Mathematics, Science, Social Studies, or Foreign Language should be included. Additional units of electives to a maximum of three and one-half may be accepted in the following subjects: Bookkeeping, Drawing, Geology, Physiography, Stenography, Junior Business Training, Music (prepared course), Commercial Law, and Commercial Geography. *Not more than one unit may be accepted in any single elective.* A candidate from a three year high school may not present a total of more than one unit of electives unless he desires to enter the Business Administration Group, in which case he may present two.

Applicants for admission to the Business Administration Group will not be required to present the normal two entrance credits in Foreign Language, but will be permitted to substitute in place of Foreign Language additional units in Bookkeeping, Stenography, Junior Business Training, Commercial Law, and Commercial Geography. *Not more than two such units will be permitted in any single subject.* *A student so admitted must meet the normal Foreign Language requirement for graduation.*

Candidates whose preparation does not precisely coincide with the foregoing outline may in exceptional cases be admitted to the College if, in the judgment of the Committee on Admission, they are qualified to do satisfactory college work.

A limited number of applicants for admission may be received as *Special Students,* provided they have satisfactory preparation for the college courses which they desire to pursue.

When admitted, special students are enrolled as members of the groups they choose to enter and are under the direction of the regular advisers. Special students must register for at least twelve hours of work in each semester, and are held accountable for the satisfactory completion of courses for which they register. They are subject to the same regulations as other students.

ADMISSION TO ADVANCED STANDING

Applications for admission to advanced standing should be made to the Registrar of the College. The applicant should request the institu-
tion last attended to send to the Registrar a transcript of the student's record accepted for admission, a transcript of his record there, and a certificate of honorable dismissal.

*Not more than sixty semester hours of work taken at another institution will be credited to students who transfer to Ursinus College.*

**THE FIFTH YEAR FOR TEACHERS**

Although the completion of four years of college work leading to the Bachelor's degree is still widely regarded as a sufficient minimum preparation for teaching in secondary schools, several states and a number of cities require the completion of a fifth year of preparation leading to the Master's degree. Even if the fifth year of preparation does not become a universal legal requirement, it is certain that those who wish to teach will find a fifth year of preparation desirable in many ways.

In addition to the four year curriculum for prospective teachers, the College offers a five year curriculum for prospective teachers. In the five year curriculum the work of the fourth year and of the fifth year is planned to meet the needs of each candidate. The primary purpose is to give the student a more extended and thorough preparation for teaching than is possible in four years. The five year curriculum is not recommended for those who are interested in supervision or administration, or for those who plan to prepare themselves for college teaching.

A candidate who wishes to be admitted to the five year curriculum must apply to the Dean for admission at the end of the third year. If the candidate is admitted to the five year curriculum, the Dean, the Group Adviser, and the Chairman of the Department of Education will plan his program for the fourth year and the fifth year. No courses in Education, except courses in special methods, will ordinarily be included in his fourth year schedule. Practice teaching will be included in his fifth year schedule.

The Bachelor's degree will be awarded for the satisfactory completion of four years of work (120 semester hours). The Master's degree will be awarded for the satisfactory completion of the fifth year of work (27 hours).

The Master's degree is awarded only to a candidate who has completed the five year curriculum for prospective secondary school teachers. *The work of the fifth year is not to be considered as meeting in part or in full the requirements for a Master's degree at another college or as*
meeting in part the requirements for a Doctor's degree. Students in the five year program are required to maintain an average of B during the fifth year.

PROGRAMS IN SPECIAL FIELDS

Ursinus is a college of liberal arts and sciences. This means that Ursinus emphasizes a broad, general education for all regardless of the particular career for which a student plans to prepare. In addition, it is possible at Ursinus to prepare for specific careers in the fields listed below. A placement service maintained by the College assists the student in locating a position in the field of his choice.

Business. Graduates in the Business Administration Group find employment as accountants, secretaries, junior executives, sales managers, and the like. They are employed by many types of industrial concerns, banking institutions, public utilities, transportation companies, department stores, chain stores, etc. By electing Spanish, it is possible for students majoring in business to prepare for the growing opportunities in South American trade.

Chemical Research: Industrial Chemistry. The Chemistry-Biology Group provides opportunities for students desiring to major in Chemistry with a view to devoting their lives to some type of chemical research. Graduates find employment with large chemical companies doing pioneer work in the field of chemical investigation and research.

Dentistry. The Council on Dental Education of the American Dental Association fixes as the minimum basis for admission to an approved dental school the successful completion of two full years of academic work in an accredited college of liberal arts and science. This college work must include courses in English, biology, physics, inorganic and organic chemistry.

Educational Administration. Basic courses in education are provided which are pre-requisite to the professional courses in educational administration offered in graduate schools of education of leading universities.

Foreign Service. The American Foreign Service presents attractive opportunities to a limited number of young people who are willing to prepare themselves adequately for service abroad. The History-Social Science course, together with offerings available in the modern languages, provides preparation for the examinations required of applicants for
positions in foreign service. Upon graduation students are urged to pursue additional work at a recognized graduate school.

Graduate Study. One purpose of the curriculum of the modern liberal arts college is to prepare students for advanced study in various fields of knowledge. Preliminary study is done by the student at the undergraduate level in his chosen major field. Those intending to enter graduate schools should have a thorough grounding in their chosen field. As a reading knowledge of French and German is essential for most higher degrees, this knowledge should be acquired in the undergraduate school.

Health and Physical Education. By following the program outlined in the following pages it is possible to specialize in health and physical education and at the same time obtain a general cultural education. Health and physical education graduates meet the requirements for certification to teach in this field in Pennsylvania and other states.

Journalism. A student interested in journalism should enroll in the History-social Science or the English Group and elect widely in other fields. Following graduation from college a year at a professional school journalism is recommended.

Laboratory Technician. It is possible to arrange for either a two year or a four year course of preparatory work, although the latter is strongly recommended as the preferred training.

Law. As a general rule leading law schools require a baccalaureate degree as one of the conditions for acceptance of candidates. A broad, cultural education is considered the best preparation for legal study. Courses which emphasize reasoning are especially valuable.

Medicine. The Chemistry-Biology Group is designed to prepare students who are interested in the various aspects of medicine. Preparation for schools of osteopathy and of veterinary medicine, as well as for the regular medical schools, is provided.

Music. Although a considerable number of courses in music are available at Ursinus, no major in music is offered. Those who wish to follow music as a career should plan to attend graduate school after completing their work at Ursinus.

Physical Research. A special curriculum in connection with the Chemistry-Biology-Physics Group is offered to students interested in physics as a career.
Psychology. Undergraduate work in Psychology is designed for those who seek admission to graduate schools or who wish to enter personnel work in industry. Undergraduate study in Psychology is of assistance in the fields of teaching, guidance, law, clinical psychology, personnel and social work, nursing, and preparation for medicine.

Teaching. Work in education as required by many of the state departments of Education, including practice teaching, is offered to those who plan a career in education. Teacher preparation is limited to the secondary school field. Students follow curricula under the guidance of group advisers.

Theology. Most leading theological schools have as a requirement for consideration for admission a degree of B.A. Students who are preparing for the ministry should plan a broad course of study which will include history, languages, and literature, although specific subjects are not ordinarily specified by seminaries as necessary for admission. The History-Social Science or the English Group is usually recommended to students preparing for the ministry.

ACCELERATION OF COURSE

The College year at present consists of two terms of sixteen weeks each and a Summer Term of twelve weeks divided into two six week sessions. Students are admitted to the College at the beginning of each term. Students who wish to do so may accelerate their college courses by attending the Summer Term as well as the Fall and Spring Terms. The Summer Term is available to all students who wish to take advantage of it.

REGISTRATION

All students must register at the beginning of the Fall Term for the work of the Fall and Spring Terms, and will not be allowed to change their registration or drop courses of study later than one week after Registration day except by special permission of the Faculty. A fee of one dollar is charged for registration on days other than those appointed in the College Calendar for the registration of students.

ABSENCES

If a student is absent from class on account of exigencies such as illness, the death of a relative, or duty away from the College as a representative of the institution, the student should obtain a written statement from
his doctor, from the College nurse, or from the athletic director, adviser of debating or other College officer certifying the reason for absence on a definite date or dates. In special cases the Dean may give students such a statement, and statements from persons other than college officials will be accepted if initialed by the Dean. Such statements are to be shown to the instructor of each course missed (and with regard to Chapel to the Dean of Men) no later than a week after returning to class. The instructor will record the absence as excused. A student is allowed during a term two unexcused absences in any course.

If the total number of absences, excused and unexcused, exceeds twice the number of exercises per week in that course, the student in question may be dropped from the course by the Dean and the instructor in charge in consultation with the Adviser. If he is allowed to continue, he must make up the work missed. If he is dropped, he will be given a grade of F or W.

If the allowed number of unexcused absences is exceeded, the student in question must secure a permit from the Dean in order to take the final examination, for which he will be charged a fee of five dollars.

A third year or a fourth year student is permitted absences if during the preceding term he has received no grade lower than B and at least one A.

A student who absents himself from a test previously announced must take a special test, for which he must pay a fee of one dollar. Permits for such tests must be obtained at the Dean's office.

GROUP ADVISERS

At the beginning of the year the Faculty appoints from its own number an Adviser for the students in each of the eight groups in which the courses of instruction are offered. The Group Adviser is the medium of communication between the Faculty and the students of his group. The approval of the Group Adviser is necessary before a student may register for or enter upon any course of study, or discontinue any work.
The Educational Program

THE GROUPS

The group system is employed in the organization and administration of instruction. By this system, the courses of instruction are offered in carefully arranged groups, each comprising (1) dominant subjects which adapt the group to the intellectual tastes and the future purposes of the student, (2) other prescribed subjects essential to a liberal education and required of all students, and (3) elective subjects from which may be selected studies meeting the particular objectives of each individual. A student, at matriculation, chooses the group of studies he desires to pursue, and with the advice and consent of his adviser, selects his studies for the year and reports the same to the Dean on a blank provided for the purpose. By virtue of this act he becomes a member of the group of his choice and as such is officially recognized thereafter in all acts and processes of administration in the College. A student who is uncertain on entering college as to his future plans and, therefore undecided as to the group of studies he should pursue, may make a temporary choice and change to any group he may prefer at the end of the first year.

CHOICE OF STUDIES

In registering, the student must present his complete list of studies, both prescribed and elective, for the whole year.

Courses to satisfy conditions take precedence over regular courses. It is strongly advised that conditions be made up in summer so as not to interfere with the proper arrangement of one’s curriculum.

In selecting studies for the year, the student will follow the synopsis of his group as presented although, with the approval of his adviser and of the Dean, he may substitute other studies for the elective courses listed, or at the beginning of a year may change from one group to another.

Courses prescribed as degree or group requirements must take precedence over and be scheduled before elective courses.
When a student changes to another group, he will receive credit toward graduation only for those prescribed courses which he may have completed that are included in the group to which he has received permission to change.

REQUIREMENTS FOR GRADUATION

For students entering in July, 1948 and thereafter, a new curriculum has been established. The description of this curriculum and its requirements will be found on pp. 31 et. seq.

For students entering before July, 1948 the requirement for the degree of Bachelor of Arts or Bachelor of Science is the completion of one hundred and twenty-four semester hours of work. A student may not take in any one term less than twelve semester hours of work. The normal maximum for one term is sixteen semester hours. Two semester hours above the normal maximum may be scheduled with the approval of the Group Adviser, provided the student’s average for the preceding term is eighty or higher. Three semester hours above the normal maximum may be scheduled with the approval of the Group Adviser, provided the student’s average for the preceding term is eighty-five or higher.

With the permission of the Dean, a student in the Physical Education Group may take each term two semester hours more than the maximum set for the other groups.

In arranging his curriculum, every regular student must meet the following requirements:

1. Six semester hours of English composition and literature (Course 1-2).
2. (a) Six semester hours of foreign language offered for admission, provided the student passes a satisfactory achievement test at matriculation; or (b) twelve semester hours of the foreign language offered for admission, if the student has not passed a satisfactory achievement test at matriculation; or (c) twelve semester hours of a foreign language begun in college.
3. Six semester hours of History (Course 1-2.)
4. Three semester hours of Psychology (Course 1.)
5. Three semester hours of Philosophy.
6. Six semester hours of science with laboratory work.
7. Satisfactory completion of Course 101-2 in Physical Education in the first year (not required of students in the Physical Education Group).
The History-Social Science, the English, the Foreign Languages, and the Business Administration Groups lead to the degree of Bachelor of Arts. The Mathematics, the Chemistry-Biology-Physics, and the Health and Physical Education Groups lead to the degree of Bachelor of Science.

The prescribed courses in each major are listed in the Catalogue. Each course is numbered and is described in pages 53 to 83. A course with an odd number is normally given in the Winter Term; a course with an even number is normally given in the Spring Term.

The student, after scheduling the prescribed courses for the year, may, with the advice and permission of his Group Adviser, add elective courses for which he has proper preparation. The normal maximum for a term is sixteen semester hours. (See page 30)

NEW REQUIREMENTS FOR GRADUATION

For students entering in July, 1948 and thereafter, the requirement for the degree of Bachelor of Arts or Bachelor of Science is the completion of one hundred and twenty semester hours of work, within which must be included all the courses required by the Faculty of all students for graduation and the courses required by the group to which the student belongs. At least sixty semester hours of this work must have been taken at Ursinus College, and this must include the work of the senior year.

A student may not take in any one term less than twelve semester hours of work. The normal maximum for a term is five courses or fifteen semester hours. Two semester hours above the normal maximum may be scheduled with the approval of the Group Adviser, provided the student's average for the preceding term is eighty or higher. Three semester hours above the normal maximum may be scheduled with the approval of the Group Adviser, provided the student's average for the preceding term is eighty-five or higher.

With the permission of the Dean, a student in the Physical Education Group may take in each term two semester hours more than the maximum set for the other groups.

The courses required of all students for graduation are the following:

In the first year
- English Composition 1-2
- History 1-2
- Foreign Languages 1-2 or 3-4
Biology 3-4, Chemistry 1-2, or Physics 1-2 (if prerequisites are satisfied)

Physical Education 101-2

(No semester hour credit. Not required of students in the Physical Education Group)

The remaining first year course is to be selected from Mathematics 1-2, Mathematics 1a-2a, a second foreign language, English Literature 17, 18, Economics 3, 4, Political Science 1-2, or Religion 1, 2. This course may be prescribed under group requirements. History 1-2 or the Science course may be postponed until the second year if group requirements make it necessary.

In the second year

English Literature 3-4, or 17, 18, or 19-20

English Composition 3-4

Foreign Languages 3-4, if not previously completed

In the third year

Economics 3, 4, if not previously completed, or

Political Science 1-2, if not previously completed

In the second or third year—Psychology 1

In the second, third, or fourth year—Philosophy (a one semester course)

The work of every student is composed of three parts. The first part consists of the courses just named, which are required of all students and which are, in the judgment of the Faculty, essential to a liberal education. The second part consists of the courses required by the group to which the student belongs for the major subject in which he is concentrating. Within the seven groups, there are fourteen major subjects offered—Biology, Chemistry, Economics and Business Administration, Classical Languages, English, French, German, History, Mathematics, Physical Education, Physics, Political Science, Psychology, and Spanish. The requirements for a major in each of these subjects will be found listed under the several Departments in the Courses of Instruction. The third part consists of the courses the student elects of those offered for which he is eligible. These courses are a means of further individualizing the course of study for each student and of fitting it to his needs and desires.

The specific courses in addition to the College requirements for graduation that must be taken to satisfy the group requirements for the several majors are as follows:
Biology. Biology 3-4; 6; 7-8; 9-10; 11-12; 17-18; Physics 1-2; Chemistry 1-2; Mathematics 1, 2 or 1a, 2a.

Students majoring in Biology who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Biology 9-10, 17-18.

Chemistry. Chemistry 1-2, 14; 3-4; 5-6; 7-8; 9-10; Mathematics 1a, 2a; 3-4; Physics 1-2 Biology 3-4.

Students majoring in Chemistry who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Chemistry 3-4; 5-6; 9-10.

Classical Languages. Students majoring in Classical Languages are required to take at least 12 semester hours of Greek and 12 semester hours of Latin, beyond Latin 1-2. In the first half of his senior year, each student must take the Seminar in Classical Studies, Greek 7. In the examination at the close of this course, he will be expected to show a satisfactory general knowledge of Greek and Roman literature, language, art, history, geography, mythology, religion, and private life. For this examination the student is expected to prepare himself (with the advice and help of the instructor) throughout his previous three years both by courses and by outside reading.

Business Administration and Economics. Students majoring in this department must take a minimum of thirty (30) semester hours of work in the department and twelve (12) semester hours of work in Political Science.

A student may, if he wishes, concentrate in Accounting, Economics, Finance, or Industrial Relations, as is indicated by the grouping of courses as shown below:

Accounting: Economics 3, 4, 6, 11, 12, 15, 19, 20; Mathematics 13, 14; Electives in the department six (6) semester hours.

Economics: Economics 3, 4, 8, 9, 10, 14, 17, 21; Electives in the department six (6) semester hours.

Finance: Economics 3, 4, 6, 9, 10, 11, 12, 13, 15; Mathematics 13, 14.

Industrial Relations: Economics 3, 4, 5, 18, 22, 23; Electives in the department twelve (12) semester hours.

English. English Literature 5, 6; 7, 8; 9, 10; 11-12; 19-20; History 7-8; 9-10.
Students preparing for graduate study in English should elect French and German as their modern languages. Study in classical languages is also strongly recommended for such students.

French. French 5, 6, 9, 15, 16. One of following courses: French 7, 8, 10. One of following courses: French 11-12; 13-14; History 3-4; Latin 1-2; 3-4 (or equivalent, i.e., four years of Latin in secondary school).

German. German 5, 6; 7, 8; 9, 10; 13-14; twelve (12) semester hours' study in another language.

Health and Physical Education. Physical Education 1, 2; 3; 5, 6; 7, 8; 9, 10; 14; 16, 17; 19; 20; 22; 201-2; 203-4; 205-6; 207-8; Chemistry 1-2; Biology 3; 1 or 2; 17-18; History 20; Sociology 1.

History. History 5-6; 9-10; ten (10) semester hours in elective courses in History, including one seminar; Economics 3, 4; Sociology 1; Political Science 1-2.

Mathematics. A member of the Mathematics Group normally takes Mathematics 1a, 2a, and 5-6 in the first year; Mathematics 3-4 and Physics 1-2 (to satisfy the general requirement in science) in the second year. For graduation at least 30 semester hours in Mathematics are required.

For students expecting to teach, the recommended courses in Mathematics are Problems, the Teachers' Course, Statistics, Theory of Equations, and Modern Geometry.

Students expecting to go into business, insurance or the actuarial profession should take a third year of English, and two years of Accounting. The recommended courses in Mathematics are Mathematics of Finance, Statistics, Finite Differences and Probability.

Students expecting to attend a graduate school, or engineering school, or interested in scientific applications should take courses in their chosen science. The recommended courses in Mathematics are the Calculus, Vector Analysis, Group Theory, and Theory of Functions of a Complex Variable.

Physics. Physics 1-2; 3-4; 5, 6; 7-8; Mathematics 1a, 2a; 3-4; 7-8; 9, 10; Chemistry 1-2, 14.

Students majoring in Physics who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Physics 7-8; Mathematics 9, 10.

Political Science. Political Science 5, 6; Electives in the department twelve (12) semester hours; History 9-10; Economics 3, 4; Sociology 1-2.

It is recommended that Political Science 1-2 be taken in the first year,
Political Science 5, 6 and Economics 3, 4 in the second year, and History 9-10 in the third year.

**Psychology.** Psychology 1, 4, 5, 6, 8, 10, 12; Biology 3, 11-12; Mathematics 15-16. First Year—Biology 3. Second Year—Psychology 1, 10; Biology 11-12. Third Year—Psychology 5 (Education 3), 8; Mathematics 15-16. Fourth Year—Psychology 4, 6, 12.

The following courses are suggested but not required: Physics 1-2 (for those who have not had high school physics); Philosophy 8. **Spanish.** Spanish 5, 7, 8, 13-14.

History 3-4, 21-22.

Latin 1-2; 3-4 (or equivalent, i.e., four years of Latin in secondary school).

**GRADES OF SCHOLARSHIP**

On the completion of a course the standing of the student is expressed, according to his proficiency, by one of six grades, designated by letters: A, B, C, D, E, and F. The signs + and — may follow the letters to denote further differences in proficiency. Letter A is taken to denote grades between 100% and 90%, B between 90% and 80%, and so on. The grade E denotes a failure which may be made up by re-examination. The grade F at the end of a term denotes a failure such that the class work must be repeated in order to secure credit for the course. For the purpose of taking averages, grade E is reckoned as equivalent to 55% and grade F as equivalent to 45%.

If by the end of the year a first year student fails to make an average of at least 65%, and if by the end of the year a student of a higher class fails to make a cumulative average of at least 70%, he is discontinued unless, on account of mitigating circumstances, he is permitted to remain by special action of the Faculty.

A permanent record is kept of each student's work, and a copy of the same is sent to his parent or guardian at the close of each term. The standing of first year students is reported also at mid-term. Through correspondence and conferences, the cooperation of parents is sought in the endeavor to obtain the best possible results in the work of students.

**DEGREES**

**Ursinus College** confers two degrees in course—Bachelor of Arts and Bachelor of Science. For specific requirements of the curricula leading to
each of these degrees, see pages 30 et seq. Degrees are conferred only at convocations and candidates must present themselves in person.

The College may confer the honorary degrees of Doctor of Divinity, Doctor of Pedagogy, Doctor of Science, Doctor of Letters, and Doctor of Laws on persons whose distinguished ability and service have been deemed worthy of such recognition by the Faculty and the Board of Directors.

HONORS

COMMENCEMENT PARTS

Two Commencement honors are assigned: one, the Valedictory, to the person attaining the highest standing in the graduating class; the other, the Salutatory, to the person attaining the next highest standing.

GRADUATION WITH DISTINCTION

Members of the graduating class who have shown great proficiency in their entire course may be graduated with distinction if, in the opinion of the Faculty, their attainments warrant such honors. These distinctions, Summa Cum Laude, Magna Cum Laude, and Cum Laude, are given only for unusual excellence in all the subjects pursued by the candidate.

DEPARTMENT HONORS

Students may be graduated with special honors in departments of study in which they have shown exceptional proficiency, and in which they have done extra work.

1. A candidate for Department Honors must have the endorsement of the professor in charge of the department in which he expects to try for such honors, and must enroll as a candidate at the Dean's office at least eight months prior to the anticipated date of graduation.

2. A student must maintain a grade not lower than C in any course pursued after the first year and must maintain an average of B while he is pursuing his work as a candidate for Department Honors.

3. A candidate must complete an amount of work equivalent to three semester hours in the department in which he intends to try for honors in addition to the full number of semester hours prescribed for graduation. At least twelve semester hours must be in the subject in which he is registered for Department Honors. He must submit to the Faculty a thesis on some subject within the field represented by his extra work. The thesis must be presented at least one week before the time set for the senior final examinations.
**Prizes**

**THE PHILIP H. FOGEL MEMORIAL PRIZE**

The Philip H. Fogel Memorial Prize of $25 is awarded annually to the member of the Senior Class who has attained the highest excellence in the Department of Religion, as shown by examination on completion of at least twelve semester hours of work. The prize has been endowed by Mrs. Edwin J. Fogel in memory of her son Philip H. Fogel, Ph.D., of the Class of 1901.

**THE ROBERT TRUCKSESS PRIZE**

A prize of $25 offered by Robert Trucksess, Esquire, of Norristown, Pennsylvania, is awarded annually at commencement to the member of the graduating class who has pursued the studies of the History-Social Science Group with the definite intention of entering the profession of law, and who in his college work has revealed superior ability and promise of success as a future member of the legal profession. The competition for this prize is open only to men.

**THE PAISLEY PRIZES**

Two prizes of $25 each for the best dissertations on an assigned topic by members of the Senior Class, one open to men, the other open to women, endowed by Mr. and Mrs. H. E. Paisley, of Philadelphia. These prizes are offered with a view to encouraging students in the thoughtful application of the principles of Christianity to problems of practical life. The awards are made at the annual commencement exercises.

**THE ELIZABETH ROCKEFELLER MCCAIN PRIZE**

A prize of $50 has been endowed in perpetuity by the late George Nox McCain, Litt.D., of Philadelphia, as memorial to his mother, Elizabeth Rockefeller McCain. This prize is awarded at each annual commencement to the student who at the end of the second year has shown greatest ability in the knowledge and use of the English language as indicated by work in composition and literature.

**THE BOESHORE PRIZES**

Two prizes of $25 each, endowed by Mr. and Mrs. Miller H. Boeshore of Philadelphia, one open to men, the other open to women, will be
awarded at each annual commencement to those students who have attained the highest standing at the end of the first year in the study of Greek.

THE DUTTERA PRIZE
A prize consisting of the income of $500 contributed by Mrs. Amos Duttera of Taneytown, Maryland, to be awarded to the student attaining the highest standing in the study of church history (Religion, Course 6).

THE UR SINUS WOMEN'S CLUB PRIZE
A prize of $20, offered by the Ursinus Women's Club, is awarded at graduation to the young women who has attained highest distinction in athletics.

THE UR SINUS CIRCLE PRIZE
A prize of $15, offered by the Ursinus Circle, is awarded at Commencement to the young woman who has written the best pageant under the auspices of the Department of Public Speaking.

THE ELLEN BEAVER SCHLAYBACH MEMORIAL PRIZE
A prize of $15, offered by the Omega Chi Sorority, is awarded to the woman of the Senior Class who has attained the highest scholastic average at the completion of her four years. This prize is offered in memory of one of the Sorority's former presidents, Ellen Beaver Schlaybach, Class of 1938.

THE GEORGE DITTER PRIZE
The George Ditter Prize of $25 is awarded annually at commencement to that student in the graduating class whose work as a member of the History-Social Science Group gives promise of contributing most to the perpetuation of democratic self-government. This prize was established by George Ditter's son, the Honorable J. William Ditter, LL.D., and continued by George Ditter's grandchildren, Miss Mabel B. Ditter, Class of 1939, and Mr. J. William Ditter, Jr., Class of 1943.

THE ROSICRUCIAN PRIZE
The Rosicrucians, the honor society for women, have established a prize to be awarded at Commencement to the woman student who at the end of the Freshman year has the highest scholastic standing.

THE EDWIN M. FOGEL PRIZE
The Edwin M. Fogel Prize of $25 is awarded annually to the student who, under the direction of the Department of History and the Department of German, submits the best essay on the contribution of the Pennsylvania Germans to American life and culture. The prize has been endowed by Edwin M. Fogel, Class of 1894.
THE ELIZABETH B. WHITE PRIZE

A prize of $25 is awarded annually to the woman in the Senior Class who has chosen History as her major subject in college and who, in the judgment of the Department of History, gives greatest promise of successful continuance in that field or in social welfare work. This prize was established by Dr. Elizabeth B. White, Emeritus Professor of History.

THE THOMAS JEFFERSON WILLIAMS PRIZE

A prize of $50, established by Dr. Thomas Jefferson Williams of Buenos Aires, Argentina. This prize is awarded annually to the student submitting the best essay on the literature of Argentina.

THE GEORGE W. KEHL PRIZE

A prize of $50 is awarded annually at commencement to a member of the Sophomore or of the Junior Class who has been a good citizen of the College community, and whose helpfulness and friendliness have been outstanding. The George W. Kehl Prize was established by Miss Ada M. Fisher, Class of 1913, in memory of her uncle, Dr. George W. Kehl, of Reading, Pennsylvania.

THE I. CALVIN FISHER PRIZE

A prize of $50 is awarded annually at Commencement to a member of the Sophomore or of the Junior Class who has been a good citizen of the College community, and whose helpfulness and friendliness have been outstanding. The I. Calvin Fisher Prize was established by Miss Ada M. Fisher, Class of 1913, in memory of her father, I. Calvin Fisher, D.D., Class of 1889.

THE LEIBENSPERGER CHARACTER AWARD

An award of $20 is awarded annually at Commencement to a member of the Sophomore or of the Junior Class who has been a good citizen of the College community, and whose helpfulness and friendliness have been outstanding. The Leibensperger Prize was established by Mr. and Mrs. E. D. Leibensberger, Hershey, Pa. Mrs. Leibensberger is the former Merle L. Williamson, Class of 1931.

THE CATHERWOOD FELLOWSHIP

The Catherwood Fellowship of $1,000, provided by the Catherwood Foundation, will be awarded at Commencement in 1951 by Ursinus College to a member of the Senior Class who plans to do graduate work in the liberal arts or in law.
Scholarships

APPLICATION FOR SCHOLARSHIPS

Scholarship application forms may be obtained from the Office of the Registrar. Candidates for Open Scholarships must complete and submit a scholarship application form and an application for admission by February 15. The regular Pre-Matriculation Fee of $10 must accompany the application.

The College offers to each entering class eight Open Scholarships. These provide full tuition to the recipients. Candidates for Open Scholarships must take the Scholastic Aptitude Test and three sub-tests of the Scholastic Achievement Test (one of which must be in English) in the March Series of the College Entrance Examination Board.

Many Endowed Scholarships, varying in value from $50 to $300 a year, are available. Each scholarship is tenable for four years, provided that the holder's conduct and scholastic work remain satisfactory. All scholarships to first year students are awarded on the basis of the results of competitive examinations and need. Correspondence concerning scholarships should be addressed to the Registrar.

PERMANENT SCHOLARSHIP FUNDS

The College possesses a number of permanent scholarship funds. The income of each fund is assigned annually to a student designated by the College. The list of these scholarships is as follows:

The John Alexander Scholarship, founded by John Alexander, D.D., of St. Louis, Missouri, in appreciation of benefits enjoyed when a student in the College, $1,000

The Alumni Memorial Scholarships, founded by the gifts of alumni in memory of the Ursinus men who gave their lives in the service of their country, 1941-1945, 9,116.44

The Appel Memorial Scholarship, founded under the will of the Rev. Richard S. Appel, D.D., as a memorial to his son Robert S. Appel, A.B., '01, 2,000

The Aspden Memorial Scholarship, founded by Newton J. Aspden, of Trinity
Reformed Church, Philadelphia, in memory of his beloved wife, Levinah Erb Aspden,

The Bahner Scholarship, founded in 1919 by the members of Trinity Reformed Church, Waynesboro, Pa., in honor of the Rev. Franklin F. Bahner, D.D., '73 and his wife, Mary Ella Bahner, on their completion of forty-two years of devoted service in the pastorate of the Waynesboro charge, $1,000

The Beck Scholarship, founded by the Rev. Samuel W. Beck, of Littlestown, Pa., in appreciation of the scholarships awarded to his four daughters, the income to provide scholarships for girls who plan to teach, $1,000

The Augustus Behney Scholarship, founded by Charles A. Behney, M.D., '12, in memory of his father,

The Valeria Behney Scholarship, founded by Charles A. Behney, M.D., '12, in memory of his mother,

The Bethany Tabernacle Scholarship, founded by the congregation of Bethany Tabernacle Reformed Church, Philadelphia, the Rev. H. H. Hartman, '94, pastor, $2,000

The J. William Bireley Scholarship, founded by J. William Bireley of Frederick City, Md., $1,000

The Anna M. Bomberger Scholarship, founded by Anna M. Bomberger, with gifts amounting to $600 and completed by Mrs. H. S. Bomberger, both of Lancaster, Pa., $1,000

The John Brownback Memorial Scholarship, founded by Melinda M. Acker and Mary M. Brownback, of Uwchland, Chester County, Pa., in memory of their father, $1,000

The Mary M. Brownback Scholarship, founded under the will of Mary M. Brownback, of Uwchland, Chester County, Pa., $1,000

The Carson Scholarship, founded under the will of Captain John Carson, of Newburg, Cumberland County, Pa., $1,000

The Christ Church, Hellertown, Scholarship, founded by the congregation of Christ Evangelical and Reformed Church, Hellertown, Pa., the Rev. Adam E. Schellhase, '18, pastor, $1,000

The John H. Converse Scholarship, founded by John H. Converse, of Philadelphia, $1,000

The Cub and Key Scholarship, founded by The Cub and Key Society, $1,094.23

The Dietz Scholarship, founded by Gilbert A. Deitz, '18, and Purd E. Deitz, '18, in memory of Martha E. Deitz and Mattie A. Deitz, $1,000

The Barnabas Devitt Scholarship

The Elsie Devitt Scholarship

The Emma Mayberry Devitt Scholarship

The Devitt Scholarships were founded under the will of Emma Devitt of Philadelphia, Pa., $1,000

The Doll Family Scholarship, founded by George Doll, Adaline Doll, and Josephine Doll of Philadelphia, $2,037.92
The Charles and Elizabeth Drumm Scholarship, founded by Charles Drumm, of Philadelphia, Pa., 4,000

The Erb Scholarship, founded by the Rev. William H. Erb, '93, and Andora Erb, 2,000

The Fetterolf Memorial Scholarship, founded under the will of Abraham D. Fetterolf, of Collegeville, Pa., 2,000

The John B. and Horace A. Fetter Scholalship, founded under the will of Mary M. Brownback, of Uwchland, Chester County, Pa., 1,000

The John B. Fetterolf Memorial Scholarship, founded by Rebecca B. Fetter, of Uwchland, Chester County, Pa., in memory of her son, who died after a week's attendance at College in September, 1885, 1,000

The Alice L. and William D. Fox Scholarship, founded under the will of Alice L. Fox, of Lebanon, Pa., 1,000

The Henry Francis Scholarship, founded by Henry Francis, of Spring City, Pa., 1,000

The Elizabeth Frey Scholarship, founded by gift of Elizabeth Frey, of Stewartsport, Pa., 11,500

The Grace Church Scholarship, founded by Milton Warner and Wilson H. Lear, of Grace Reformed Church, Philadelphia, Pa., 1,000

The Heidelberg Scholarship, founded by a member of Heidelberg Reformed Church, York, Pa., 1,000

The Nora Shuler Helfferich Scholarship, founded to honor Nora Shuler Helfferich, '93, by her daughter-in-law, Anna Knauer Helfferich, '20, the income to be awarded to needy and deserving women students, 2,000

The William Ursinus Helfferich Scholarship, founded by Christ Reformed Church, Bath, Pa., on the twenty-fifth anniversary of the ministry of their pastor, and increased by later gifts, 1,490

The William A. Helfferich Scholarship, founded by the Rev. W. A. Helfferich, D.D., of Fogelsville, Pa., 1,000

The George W. and Francis R. Hench Scholarship, founded by the Rev. S. M. Hench, D.D., of Trappe, Pa., in memory of his parents, 1,500

The Mattie B. Hench Scholarship, founded by Mrs. Mattie B. Hench, of Trappe, Pa., 1,200

The Joseph H. Hendricks Memorial Scholarship, founded in memory of the Rev. Joseph H. Hendricks, D.D., for forty-three years (1862-1905) pastor of Trinity Church, Collegeville, and for eighteen years (1887-1905) a Director of Ursinus College, by his friend, Jacob P. Buckwalter, of Macon, Georgia, 5,000

The Hilltown Scholarship, founded by the Hilltown charge of the Reformed Church in the United States, Bucks County, Pa., 1,000

The Freeland G. Hobson Scholarship, founded under the will of Freeland G. Hobson, LL.D., '76, of Collegeville, 1,000

The Mary E. and James M. S. Isenberg Scholarship, founded by Paul H. Isenberg, '21, Lillian Isenberg Bahney, '23, and Helen Isenberg Ballantyne, '24, in memory of their parents, 1,000
The Jefferson Medical College Scholarship, founded by Lewis Cass Scheffey, M.D., Sc.D., to aid students who plan to enter Jefferson Medical College, $2,100

The Saint John's, Orwigsburg, Scholarship, founded by the congregation of Saint John's Reformed Church, Orwigsburg, Pa., the Rev. D. R. Krebs, D.D., '02, pastor, $1,000

The Keeley Scholarship, founded by Joseph Keeley, of Spring City, Pa., $1,000

The Kelker Scholarship, founded by Rudolph F. Kelker, of Harrisburg, Pa., $1,000

The Francis Kready Scholarship, founded by Francis Kready, of Lancaster, Pa., $2,000

The Franklin W. Kremer Memorial Scholarship, founded by the Rev. F. W. Kremer, D.D., with gifts amounting to $500, and completed by the Sunday School of the First Reformed Church, of Lebanon, Pa., in grateful memory of his thirty-eight years' pastorate, $1,000

The LeRoy Boyer Laubach Scholarship, founded in memory of LeRoy Boyer Laubach by his mother, Mrs. M. B. Laubach, of Philadelphia, Pa., $2,000

The Sarah J. Leiphart Scholarship, founded under the will of Sarah J. Leiphart, of York, Pa., $9,842.81

The Francis Magee Scholarship, founded by the late Francis Magee, of Philadelphia, $1,000

The Aaron E. March Scholarship, founded by Aaron E. March, of York, Pa., $2,000

The Markley Scholarship, founded by Dr. Mary E. Markley, '02, in memory of her father, the Rev. A. B. Markley, D.D., '76, $1,000

The Saint Mark's Scholarship, founded in 1918 by the members of Saint Mark's Reformed Church, Lebanon, Pa., in honor of their pastor, the Rev. I. Calvin Fisher, D.D., '89, and his wife, Eva S. Fisher, and in celebration of their twenty-fifth anniversary in the pastorate of Saint Mark's Church, $1,000

The James W. Meminger Scholarship, founded by the congregation of Saint Paul's Reformed Church, Lancaster, Pa., in honor of the Rev. James W. Meminger, D.D., '84, former pastor, $1,000

The Meyran Scholarship, founded by Louis A. Meyran and his wife, Marie H. Meyran, of Grace Reformed Church, Pittsburgh, Pa., $2,000

The Murtha Scholarship, founded under the will of D. Charles Murtha, '86, to aid students who plan to enter the Christian ministry, $19,869.85

The Annie Neff Scholarship, founded under the will of Annie Neff, of Alexandria, Huntingdon County, Pa., $1,500

The Martin B. Neff Scholarship, founded by Annie Neff in memory of Martin B. Neff, of Alexandria, Pa., and in recognition of his life-long interest in Ursinus College, $1,800

The Noss Scholarship, founded by Charles H. Noss, of York, Pa., in memory of his parents, William S. Noss and Emma S. Noss, $2,500

The George Leslie Omwake Scholarship Fund, founded by several hundred alumni and other friends of the sixth president of Ursinus College, $25,530.65
The Omwake Memorial Scholarship, founded by W. T. Omwake, Esq., of Waynesboro, Pa., as a memorial to his parents, Henry and Eveline Beaver Omwake, 2,000

The Paisley Scholarship, founded in honor of Mrs. Carrie Strassburger Paisley, of Trinity Reformed Church, Philadelphia, 2,000

The Harry E. Paisley Scholarship, founded by Harry E. Paisley, LL.D., of Trinity Reformed Church, Philadelphia, 5,000

The Saint Paul's, Lancaster, Scholarship, founded by the congregation of Saint Paul's Reformed Church, Lancaster, Pa., the Rev. T. A. Alspach, D.D., '07, pastor, 2,000

The Pennsylvania Female College Memorial Scholarship, founded by the Glenwood Association, a body of former students of the Pennsylvania Female College, in recognition of the earlier work done at Collegeville for the higher education of women, 3,000

The Neri F. and Serena J. Peters Scholarship, founded in memory of the Rev. and Mrs. Neri F. Peters by their children, 1,000

The Jesse W. Roberts Memorial Scholarship, founded by Charles V. Roberts, '32, in memory of his father, 2,000

The Silas H. Rush Scholarship, founded in memory of her parents, Mr. and Mrs. Silas H. Rush, by Mrs. E. R. Hoffman, of Philadelphia, 1,000

The Scheer Memorial Scholarship, founded under the will of Thekla Ida Scheer, in memory of her father, the Rev. George A. Scheer, D.D., '76, the income to be used to aid students who plan to enter the Christian ministry, 5,000

The Jacob S. and Lucinda Schwartz Scholarship, founded by the bequest of Jacob S. Schwartz, of Hanover, Pa., 1,000

The Schwenksville Community Scholarship, founded by the citizens of Schwenksville, Pa., 1,902

The Jocelyn Xander Sheeder Scholarship, established by the late S. Elizabeth Xander, of Philadelphia, Pennsylvania, 1,000

The J. B. Shontz Memorial Scholarship, founded by the Congregation and Sunday School of Saint John's Reformed Church, Chambersburg, Pa., in memory of their former pastor, the late Rev. J. B. Shontz, 1,000

The A. Lizzie Shreiner Scholarship, founded under the will of A. Lizzie Shreiner, of Lancaster, Pa., 1,350

The Siebert Scholarship, founded under the will of P. W. Siebert, of Pittsburgh, Pa., 1,004

The George S. Sorber Scholarship, founded by the Rev. George S. Sorber, D.D., of York, Pa., 2,000

The Nathan Spangler Scholarship, founded by Nathan Spangler, of York, Pa., 1,000

The Sprankle Scholarship, founded under the will of Samuel Sprankle, of Altoona, Pa., 2,000
SCHOLARSHIPS

The Stauffer Memorial Scholarship, founded in memory of Robert Ursinus and John Donald Stauffer, deceased children of the Rev. J. J. Stauffer, by gifts amounting to $500 from the pastor and members of the Lykens Valley charge, and completed by a bequest of $500 under the will of Elizabeth Ritzman, of Gratz, Pa., 1,000

The Clementina R. Stewart Scholarship, founded under the will of Clementina R. Stewart, of Myerstown, Pa., 1,000

The Trinity Bible School Scholarship, founded by the Bible School of Trinity Reformed Church, Philadelphia, 2,475

The Trumbower Memorial Scholarship, founded by Mr. H. C. Trumbower, of Trinity Reformed Church, Philadelphia, in memory of his parents, Dr. Lewis T. and Annie B. Troxel Trumbower, 5,000

The Abraham Wagner Scholarship, founded under the will of Abraham Wagner, of the Robinson Church, Berks County, Pa., 1,000

The George A. Walker Scholarship, founded under the will of George A. Walker, of Philadelphia, Pa., 10,000

The George Wolff Scholarship, founded by the Rev. George Wolff, D.D., of Myerstown, Pa., 1,000

LOAN FUND

A loan fund has been established through gifts of individuals and an appropriation by the Board of Directors. Loans are made to upper class students under a contract providing definitely for their repayment. Application must be made to the President of the College, who is custodian of the Fund.
College Principles

Ursinus College is a coeducational institution devoted to the principles that have made the smaller privately endowed college so important in American education. In principle and by tradition it is devoted to a policy which opposes unnatural distinctions among its students. Equal opportunity for all is provided and a wholesome spirit of fraternity throughout the entire body is encouraged. A system of student government for young men, with powers inhering in a central representative body known as the Council, maintains order and encourages self-control in social and civil affairs. The life of the young women also is regulated through a system of self-government administered by the women students of the College. The aim of the institution is to train its students, through the performance of their social and civil obligations and duties, in those virtues which will fit them for the extraordinary responsibilities of educated men and women in after life. With this in view, the College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due or paid in advance to the College will not be refunded in whole or in part.

The College is dedicated to fostering close association among the administration, faculty, and students. A homelike atmosphere is found in the residential buildings, and modern equipment is provided to support the educational program and to assure adequate facilities for sports and extra-curricular activities. All students live in rooms provided by the College or in their own homes, and all resident students take their meals in the College dining rooms.

PUBLIC WORSHIP

All resident students and all day students whose homes are within a mile of the campus are required to attend religious services in the College chapel on certain designated days of each week. Students may not be absent from chapel services more than three times in a semester without valid excuse. Students are expected to attend services on Sunday in the church of their own or their parents’ choice.
College Activities

ATHLETICS
Ursinus maintains teams in intercollegiate competition in football, basketball (varsity and junior varsity), soccer, wrestling, golf, track, tennis, and baseball for men. The intramural program of athletics for men students includes league competition in touch football, basketball, and softball, and an elimination tournament in tennis.

The College maintains intercollegiate competition for women in the following sports: hockey (varsity and junior varsity), basketball, (varsity and junior varsity), softball, tennis, and swimming. The intramural program provides recreation in hockey, basketball, tennis, and softball.

The gymnasiums, playing fields, and equipment available for the pursuit of these various sports are described under Buildings and Equipment (see pp. 8 to 11).

ORGANIZATIONS
A large number of organizations of many types and purposes provide ample scope for extra-curricular activity on the part of the students. These organizations are all approved by the Faculty and are supervised by the Committee on Student Activities or the Dean of Men and Dean of Women.

Student life on campus is controlled and regulated by the Men's Student Council and the Women's Student Government Association.

Religious thought and activity are fostered by the YMCA, the YWCA, the Chi Alpha Society, the Lutheran Student Association, the Canterbury Club, and the Newman Club.

Many clubs serve the interest of students in particular subjects of study or future occupations: the James M. Anders Pre-Medical Society, the Beardwood Chemical Society, the English Club, the French Club, the German Club, the Spanish Club, the International Relations Club, the Pre-Legal Society, the Future Teachers of America, and the Business Administration Club.

Dramatics and debating are the province of the Curtain Club, Alpha Psi Omega, the Debating Club, and Tau Kappa Alpha.
Students interested in music are encouraged to join the College Choir, the Glee Club, the Meistersingers, the Band, and the Music Club.

Interest in athletics and the support of athletics at the College are fostered by the Varsity Club and the Women's Athletic Association.

A chapter of the American Veterans' Committee has been organized at Ursinus.

There are ten local social organizations on the Ursinus campus. The fraternities are Sigma Rho, Zeta Chi, Alpha Phi Epsilon, Demas, Beta Sigma Lambda, and Delta Pi Sigma. The sororities are Omega Chi, Alpha Sigma Nu, Kappa Delta Kappa, Phi Psi, and Tau Sigma Gamma.

**PUBLICATIONS**

The Ursinus Bulletin, of which the Catalogue is a number, is the official publication of the College. It is issued five times a year.

The Alumni Journal, the official publication of the Alumni Association, appears three times a year.

The Ursinus Weekly is managed by a Board of Control representative of the Faculty and the student body, and edited by a staff chosen from among the students on a basis of merit. It is a weekly newspaper, interesting to students and alumni as a record of life at Ursinus.

The Lantern, student literary journal, is issued three times a year.

The Ruby, published by the Senior Class, is a pictorial volume presenting an intimate view of the year's life, not only of the Class, but of the whole College.
A candidate for admission must pay a Pre-Matriculation Fee of $10 at the time he files his application. If he is accepted and completes matriculation, the fee is credited on his bill for the first term; otherwise it is not refunded.

Upon his acceptance by the College, an applicant must make an Advance Payment of $50. This payment is also credited on his bill for the first term. If he fails to complete his matriculation, this payment is forfeited.

All regularly enrolled students must make an Advance Payment of $50 at such time as may be designated by the College. It is credited on the bill of the first term. This payment is forfeited if the student fails to complete his registration.

An enrolled student must pay $10 in order to qualify for drawing a room. In order to reserve a place in the College a new student must make an advance payment of $50 upon his acceptance by the College, and all regularly enrolled students must make an advance payment of $50 at such time as may be designated by the College. These payments are forfeited if the student fails to complete his registration.

Ursinus College is a residential college. All students, except those who reside in their own homes, must occupy rooms provided by the College and take their meals in the College dining-rooms.

The expenses for a term of sixteen weeks are therefore included in a Comprehensive Fee which covers class-room instruction; the use of laboratories, libraries, gymnasiums, and the infirmary; ordinary medical attention; care by the resident nurse; furnished room, including heat and light; and table board, exclusive of Christmas and Spring recesses. The Comprehensive Fee for men is $477.50 to $497.50, depending upon location of room. The Comprehensive Fee for women is $497.50 to $522.50, depending upon location of room. The Fee for a student living in his own home is $250.00 per term. The College reserves the right to make reasonable alterations in the Comprehensive Fee at the beginning of any term in order to cover possible unforeseen costs.
An Activities Fee of $7.50 is charged each term to cover the following: subscription to the Ursinus Weekly, intercollegiate debating, the Christian associations, the Ursinus College Forum, and a number of other activities. Students are admitted without charge to all athletic games at the College, to Curtain Club Plays, and to College dances.

A fee of $50, payable upon presentation of bill, is required of each student engaged in practice teaching.

Private individual instruction (organ, piano, violin, voice, or any band or orchestral instrument) $30, one half-hour lesson each week during regular term.

A deposit of $10 is required of each new student to defray any expense incurred by injury to property, and is included on the bill for the first term. The unexpended balance is returned upon graduation or withdrawal from College.

To a student in his senior year, a graduation fee of $10 is charged in the last bill of the senior year.

Bills for the Comprehensive Fee are issued approximately thirty days before the beginning of each term. A student’s bill must be settled no later than the opening day of each term.

No student who is indebted to the College or to any of its departments or agencies will be permitted to register at the beginning of any term, and all items due the College from a candidate for graduation must be paid before the candidate may be presented for a degree.

Checks should be made payable to Ursinus College.

A charge of $1 is made for the transcript of a student’s record. Requests for such transcripts should be made to the Office of the Dean.

A student who is absent from College on account of sickness or for any other reason, and retains his place in class, pays the Comprehensive Fee in full during his absence, except when the absence is continuous over a period exceeding four weeks, in which case resident students are allowed a rebate of $5 for each full week on account of table board. No refund is allowed on account of a student’s dismissal or withdrawal from the College during a term, except when the student enters the armed services.

Since the College provides for all resident students a health service, which includes attention and care by its physicians and resident nurses, the College will not pay bills that students contract with hospitals or with physicians or nurses not on the staff of the College. The College
reserves the right to enforce quarantine and to engage the services of special attendants if necessary, but will not be responsible for the compensation of extra physicians, nurses, or attendants, which compensation must be provided by the student or his parent or guardian.

Each resident student supplies his own towels, two pairs of sheets for a single bed, mattress protector, a pair of pillow cases (19 x 34), a pair of blankets, and a bedspread.

First year students, except those whose presence is needed for service, are required to vacate their rooms immediately following the second term examinations.

MEDICAL SERVICE
The Comprehensive Fee paid by resident students entitles them to ordinary medical attention. The College Physician may be consulted in his office on the campus during office hours. He will regularly visit patients in the infirmaries and students confined to their rooms by illness. The Resident Nurses care for the sick under the direction of the College Physician.

BUREAU OF STUDENT HELP
The Bureau, conducted under the management of officers of the College, provides opportunities for students to earn a part of their expenses by working as waiters, laboratory assistants, library assistants, typists, and clerks in the Supply Store. These positions are standardized so as not to overburden the student or to interfere with his studies. Positions accepted under the Bureau of Student Help must, however, always take precedence over any other extracurricular activities. A standard position, such as a waitership in the dining room, pays two hundred and twenty dollars per year. Approximately two hundred positions, representing varying amounts of compensation and types of work, are now open to students.

Letters of application, as well as those requesting information, should be addressed to Dr. Charles D. Mattern, Director of Student Help.

Each student is given a physical examination on entering College.

PLACEMENT BUREAU
Ursinus College conducts a placement Bureau to assist students and graduates in finding positions for which they qualify. Its function is to
serve as a point of contact for Seniors and Alumni with educational institutions, business and industry. Detailed personal and scholastic records of Seniors and Alumni are compiled and are available along with a photograph, for all prospective employers.

Alumni Placement—The Placement Bureau acts as a clearing house for the placement of alumni seeking employment or new positions. Alumni are encouraged to place their names on the list of available candidates. A fee of $1.00 is charged for Alumni registrations.

Persons seeking placement in the educational field should address communications to Dr. Harvey R. Vanderslice, Director of Teacher Placement, Ursinus College, Collegeville, Pa.

Those interested in obtaining placement in the business or industry fields should communicate with Harry M. Frosberg, Director of Business Placement, Ursinus College, Collegeville, Pa.
Courses of Instruction

In designating courses of study, odd numerals are employed to represent the work of the Fall Term and even numerals the work of the Spring Term. Exceptions to this regulation are noted. Summer Term offerings are not announced in this catalogue, but so far as possible, courses will be offered to meet the needs of students who register for the Summer Term. When a single numeral is employed, the work represented constitutes a term's course. When two numerals are employed, the work represented constitutes what is normally regarded as the work of two consecutive terms. When the numerals are connected by a hyphen, the course may be entered only at the beginning of the course. When the numerals are separated by a comma, the second part of the course may be entered even though the student has not had the first part of the course.

The credit value of each course, expressed in semester hours, is printed in italics. The hours per week are given in the definition of the course.

BIOLOGY

Professor Brownback
Professor Wagner
Professor Snell
Assistant Professor Gurzynski
Mrs. Grant

Students majoring in Biology must take the following courses: Biology 3-4; 6; 7-8; 9-10; 11-12; 17-18; Physics 1-2 Chemistry 1-2; Mathematics 1, 2 or 1a, 2a.

Students majoring in Biology who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Biology 9-10; 17-18.

Course 6 is not required for Biology majors other than those preparing for secondary school teaching or veterinary training.

1, 2. Personal and Community Hygiene. Dr. Wagner, Miss Snell, Mr. Gurzynski

Study of the structure and physiology of systems in relation to personal hygiene; study of the problems of community hygiene. Lectures, papers, and discussions. Three hours per week. Three semester hours.

Course 1 is for men. Course 2 for women. Elective for first-year students in all groups. Course 1 is given in both terms.

3-4. General Biology. Dr. Wagner

A survey of the biological facts and problems of the plant and animal kingdom. The first semester is devoted to the study of zoology, the second to botany. In both semesters correlated laboratory and lecture work is definitely planned. Two hours of lecture and three hours of laboratory work per week. Six semester hours.
6. Advanced Botany. DR. WAGNER
A course designed to acquaint the student with a more detailed study of the plant groups, stressing in particular the principles of taxonomy and ecology. Lectures and discussions followed by field and laboratory work. Prerequisite, Course 3-4. Three semester hours.

Course 6 is required for students who intend to apply for certification as teachers of biology in Pennsylvania and for pre-veterinarian students.

7-8. Vertebrate Anatomy. DR. BROWNBACK
The comparative anatomy and relationships of the chordates. Prerequisite, Course 3-4. One hour of lecture and six hours of laboratory work per week. Eight semester hours.

Courses 7-8 and 9-10 alternate. Course 9-10 will be given in 1951-52.

9-10. Histology and Embryology. DR. BROWNBACK
A course in the preparation and study of tissues and in the embryology of the chick. Prerequisite, Course 3-4. One hour of lecture and six hours of laboratory work per week. Eight semester hours.

11-12. Heredity. DR. BROWNBACK
Designed to familiarize the student with the recent work in heredity and its social applications. Open to students who have had no biological training. Lectures, papers, and discussions. Two hours per week. Four semester hours.

Course 11-12 is open to third-year and fourth-year students in all groups.

15-16. General Physiology. DR. BROWNBACK
The study of the physical, chemical, and physio-chemical processes taking place in living matter. Prerequisites, Courses 3-4, 7-8 or 9-10 and Chemistry 1-2. Chemistry 7-8 is not a prerequisite but is recommended as preparation. Opportunity is given for students to investigate assigned problems at times other than regular hours. Enrollment is limited to fifteen students. One hour of lecture and six hours of laboratory work per week. Eight semester hours.

17-18. Anatomy and Physiology. DR. BROWNBACK
The human skeleton; muscular, respiratory, and circulatory systems; the internal organs; the special senses; all considered with reference to structure and function; secretion, absorption, and elimination. Models, charts, and parts of the human cadaver. Three hours per week. Four semester hours.

Course 17-18 is prescribed for students in the Physical Education Group.

CHEMISTRY

PROFESSOR STURGIS
PROFESSOR PETTIT
MR. STAIGER

Students majoring in Chemistry must take the following courses: Chemistry 1-2, 14; 3-4; 5-6; 7-8; 9-10; Mathematics 1a, 2a; 3-4; Physics 1-2; Biology 3-4.

Students majoring in Chemistry who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Chemistry 3-4; 5-6; 9-10.
1-2. General Chemistry. 
MR. PETTIT, MR. STAIGER
The facts, theories, and laws of the chemistry of the commoner elements, their industrial uses, and their physiological and nutritional applications. Two hours of lecture and three hours of laboratory work. Six semester hours.

MR. STAIGER
A more detailed study of the theories and principles of chemistry accompanied by work in the solution of chemical problems. This course is to be pursued concurrently with Chemistry 2. Prerequisite, Chemistry 1. Two hours of lecture. Two semester hours.

3-4. Qualitative Analysis. 
DR. STURGIS
The physico-chemical basis of analytical chemistry; analysis of metals and non-metals. Prerequisite, Course 14. Two hours of lecture and three hours of laboratory work. Six semester hours.

5-6. Quantitative Analysis. 
DR. STURGIS
A study of the most acceptable methods of gravimetric and volumetric analysis. Prerequisite, Course 3-4. Two hours of lecture and four hours of laboratory work. Six semester hours.

MR. PETTIT
The study of the properties, synthesis, and structure of the most important classes of the carbon compounds. Prerequisite, Course 14. Three hours of lecture and three hours of laboratory work. Eight semester hours.

9-10. Physical Chemistry. 
DR. STURGIS
The course includes a study of the states of matter, the properties of solution, atomic structure, radio-activity, and other topics. Prerequisites, Physics 1-2; Mathematics 3-4; Courses 5-6 and 7-8. Three hours of lecture and three hours of laboratory work. Eight semester hours.

11. The Literature of Chemistry. 
MR. PETTIT
The use of books, journals, and reports in the field of Chemistry. Open to third-year and fourth-year students in the Chemistry-Biology-Physics group. Prerequisites, Course 7-8 and German 3-4. One hour per week. One semester hour. 

Course 11 will be offered in 1951-52.

DR. STURGIS
This course may be taken with Chemistry 6. One hour of lecture and six hours of laboratory work. Three semester hours.

20. Seminar. 
DR. STURGIS
Papers and reports in Physical Chemistry. One hour per week. One semester hour. 
Course 20 will be offered in 1951-52.

MR. STAIGER
Selected topics dealing with the valence, resonance and isomerism of inorganic and organic compounds. One hour per week. One semester hour. 
Courses 21 and 22 will not be offered in 1951-52.

MR. PETTIT
Reports on recent advances in Organic Chemistry. One hour per week. One semester hour.
CI ASSICAL LANGUAGES
PROFESSOR BAKER

Students majoring in Classical Languages are required to take at least 12 semester hours of Greek and 12 semester hours of Latin, beyond Latin 1-2. In the first half of his senior year, each student must take the Seminar in Classical Studies, Greek 7. In the examination at the close of this course, he will be expected to show a satisfactory general knowledge of Greek and Roman literature, language, art, history, geography, mythology, religion, and private life. For this examination the student is expected to prepare himself (with the advice and help of the instructor) throughout his previous three years both by courses and by outside reading.

GREEK

1-2. Beginning Greek. DR. BAKER
Allen, First Year of Greek. Attention is paid to the Greek element in English words and to the social customs and institutions of the Greeks. Three hours per week. Six semester hours.

3. Intermediate Greek. DR. BAKER
Xenophon, Anabasis. Reading on the history of Greek literature. Three hours per week. Three semester hours.

4. Homer. DR. BAKER
Selections from the Iliad and the Odyssey. Three hours per week. Three semester hours.

5, 6. Greek History and Comedy. DR. BAKER
Thucydides and Aristophanes, selections. This course will include papers and outside readings and is designed to give the student a complete picture of Athens during the latter half of the fifth century, B.C. Six semester hours.

7. Seminar in Classical Studies. DR. BAKER
A study of selected topics dealing with the Greco-Roman world. Knowledge of Greek and Latin is a prerequisite. Three hours per week. Three semester hours.

8. New Testament Greek. DR. BAKER

LATIN

1-2. Elementary Latin. DR. BAKER
A study of the grammar, syntax, and vocabulary, with emphasis upon the Latin elements in English words. Reading of passages from various authors. Three hours per week. Six semester hours.

3, 4. Vergil. DR. BAKER
Aeneid, Books I-VI. Emphasis is placed on vocabulary and mythology. Prerequisite, Latin 1-2 or its equivalent. Three hours per week. Six semester hours.
COURSES OF INSTRUCTION

5, 6. Cicero, De Senectute; Horace, Odes and Epodes; selections from other authors.

DR. BAKER
Prerequisite, Latin 3, 4 or its equivalent. Three hours per week. Six semester hours.

7, 8. Horace, Satires, Epistles, and Ars Poetica; selections from other authors.

DR. BAKER
Readings on the history of Latin literature. Six semester hours.

9, 10. Advanced Latin.
DR. BAKER
The instructor will arrange with students electing this course to read authors of one period or literary type, or authors whose works may be correlated with other fields of study, e.g., philosophy, history, law. Six semester hours.

11, 12. A continuation of the work done in Latin 9, 10. Four semester hours.

DR. BAKER

22. Preparation for Teaching Latin.
DR. BAKER
For third-year or fourth-year students. Three hours per week. Three semester hours.

ECONOMICS

PROFESSOR BOSWELL
PROFESSOR BONE
MR. SYMONS
MR. HERBSLEB

Students majoring in this department must take a minimum of thirty (30) semester hours of work in the department and twelve (12) semester hours of work in Political Science, in addition to the College requirements for graduation.

A student may, if he wishes, concentrate in Accounting, Economics, Finance, or Industrial Relations. For outline of courses specified for these concentrations, see page 33.

A survey of the general principles which underlie the functioning of our economic system. Special attention is given to the roles played by each of the factors of production, and to the pricing process. Three semester hours. Economics 3 is prerequisite for all other courses.

This is a study of current economic problems, their impact on our society, and a critical analysis of proposed solutions. Among the problems considered are inflation, taxation, price controls, and monopolistic tendencies in business and labor, and our economic relations to other countries. Three semester hours. Economics 4 is a prerequisite for all other courses except Economics 3.

5. Labor Problems and Personnel Administration.
MR. SYMONS
A study of human relations arising from industrial organization and the employers' part bringing about industrial peace. Prerequisite, Courses 3, 4. Three hours per week. Three semester hours.

MR. SYMONS
A study of the financial aspects of business management, including the financing of corporations. Prerequisite, Courses 3, 4. Three hours per week. Three semester hours.

7. Marketing.
MR. HERBSLEB
A survey of the marketing mechanism and a comparative study of the most usual methods and practices. Prerequisite, Courses 3, 4. Three hours per week. Three semester hours.
8. Foreign Trade.  
MR. HERBSLEB
The principles of foreign trade; relation of foreign trade to national prosperity; foreign trade policies of the more important countries. Prerequisite, Course 3, 4 and 7. Three hours per week. Three semester hours.

9. Money and Banking.  
DR. BOSWELL
A study of monetary and banking theories followed by an analysis of the services and methods of operation of our commercial banks. Prerequisite, Courses 3, 4. Three hours per week. Three semester hours.
A survey of the general principles which underly the functioning of our economic

10. Investments.  
DR. BOSWELL
A survey of the various types of investment opportunities available. A study of methods of analyzing securities and timing their purchase or sale. Prerequisite, Courses 3, 4. Three hours per week. Three semester hours.

MR. BONE
Fundamental principles involved in the proprietorship and partnership form of organization. Adjusting and closing the books, preparation of statements and working papers. Problems and systematic practice set accompany the work. Prerequisite, Courses 3, 4. Three hours per week. Three semester hours.

MR. BONE
Principles involved in the corporate form of organization, including large enterprises and manufacturing types of business. Problems, questions and a systematic practice set accompany the work. Three hours per week. Prerequisite, Courses 3, 4, 11. Three semester hours.

MR. HERBSLEB
A study of the general principles of public expenditures, public revenues, public indebtedness, and financial administration. Attention will be given to the principles and workings of the Federal Income Tax law. There will be class assignments in solving actual income tax problems. Prerequisite, Courses 3, 4. Three hours per week. Three semester hours.

MR. HERBSLEB
A study of the financing of railroad construction in the United States; rate making, routing, personal and territorial discrimination, competition and consolidation; state and federal legislation and regulation; government operation; criticisms of some of the proposed solutions of our railway problems. Prerequisite, Courses 3, 4. Three hours per week. Three semester hours.

MR. BONE
An introductory course covering the fundamental procedures governing contracts, sales, agency, bailments, negotiable instruments, real and personal property. Lectures, reading, and study of cases and problems. Three hours per week. Prerequisite, Courses 3, 4. Three semester hours.

17. Business Organization.  
MR. BONE
A study of the forms of business organizations—the historical background and the reasons for their development. Governmental control of large organizations with special attention given to the problem of monopolies. Prerequisite, Courses 3, 4. Three hours per week. Three semester hours.
18. Industrial Management. MR. BONE
Historical background of industrial management, organization, physical plant, standardization, time study, wage payment, methods, control of production, planning and operation, executive control. Prerequisite, Courses 3, 4. Three hours per week. Three semester hours.

19. Intermediate Accounting. MR. BONE
A study of advanced principles and the application of principles to the analysis of problems. Analysis of profits, application of funds, capital expenditures and depreciation policies, inventory valuation, installment accounts, branches, consolidated statements. Two hours per week. Two semester hours. Prerequisite, Economics 11, 12.

20. Introductory Cost Accounting. MR. BONE
A study of the fundamental principles of cost accounting. Methods of finding the cost of specific orders or lots, fundamentals of process costs, accounting for by-products and joint products, estimate costs, and standard costs. Prerequisite, Courses 11, 12. Two hours per week. Two semester hours.

21. History of Economic Thought. DR. BOSWELL
Attention is devoted largely to a study of the Physiocratic, Classical, and Neo-Classical writers. Prerequisite, Courses 3, 4. Three hours per week. Three semester hours.

22. Personnel Management. MR. HERBSLEB
An examination of methods of selecting and training workers; also the development of policies designed to build and maintain worker morale. Prerequisite, Courses 3, 4. Three hours per week. Three semester hours.

23. Labor Law and Social Security. DR. BOSWELL
An examination of labor legislation, the social security program, and workmen's compensation, as they affect labor organization policies, employer policies, terms of collective bargaining agreements, and their relation to employment, living standards, and the general public welfare. Prerequisite, Courses 3, 4. Three hours per week. Three semester hours.

Mathematics of Finance. See Mathematics, Courses 13, 14 and 15, 16, p.

EDUCATION
PROFESSOR TYSON
PROFESSOR VANDERSLICE
ASSOCIATE PROFESSOR MINNICH
MR. HIRST

Students preparing for teaching must take the following courses:
- Spring semester of their second year, Education 2.
- Fall semester of their third year, Education 3, 7.
- Spring semester of their third year, Education 4 and a special methods course in their major field.
- Fall semester of their fourth year, Student Teaching.

2. Introduction to Teaching in Secondary Schools. MR. MINNICH AND DR. VANDERSLICE
The characteristics of teaching as a profession with special reference to secondary education the nature and interests of adolescents; the task of secondary schools in the United States contrasted with those in other countries; the organization of secondary education to meet the needs of pupils. Three hours per week during the second semester of the second year. Three semester hours.
3. *Educational Psychology.*

The native equipment of the learner; the relationship of heredity and environment; the inheritance of human traits; the principles of growth and development; physical, emotional, social and mental development; the principles of learning; transfer of training. Prerequisites, Psychology 1 or 2 and Course 2. Three hours per week during the first semester of the third year. *Three semester hours.* *(The same course as Psychology 5)*


The application of the principles of educational psychology to teaching in the secondary school; the teacher as a guide of learning; the activities in which the teacher is called upon to engage. This course is required by the Department for all persons who expect to qualify for practice teaching. Prerequisite, Courses 2, 3, 7. Three hours per week. *Three semester hours.*

5. *Student Teaching.*

A laboratory course in student teaching consisting of observation, participation and teaching in neighboring high schools with individual and group conferences. Consult the instructor for the requirements of different states. Required to complete certification. Open only to fourth year students who meet the personality and scholastic requirements. This course is given in the fall term, and only six hours of additional work can be carried with it. Prerequisite, Courses 2, 3, 4, 7, and the special methods course in the student’s major field. *Eight semester hours.*

7. *The History and Philosophy of Education.*

The development of educational ideas as they influence the present. The evolution of present practices with the underlying philosophies. Prerequisite, Psychology 1 or 2 and Course 2. Three hours per week during the first semester of the third year. *Three semester hours.*


An introductory survey of the field of measurement in education, including measurement of intelligence and school results; main features of the technique of testing and test construction; types of tests and scales; evaluation; interpretation; use. Prerequisite, Course 3. Three hours per week. *Three semester hours.* *(Same course as Psychology 6.)*


This course is designed to acquaint the prospective teacher with the purposes and problems of the teaching of science in the secondary school. The chief topics include the development of objectives, the organization of typical curricula, and the methods used in both junior and senior high schools. Required of third year students who are preparing to teach science. Three hours per week. *Three semester hours.*


Selection and interpretation of subject matter in accordance with the following aims: (1) local, national and international issues, (2) cultural inheritance. Methods of engendering and developing desirable social concepts in secondary school students. Demonstrations; field trips; study of the tools of learning, including visual aids; cooperative planning and evaluation. Three hours per week. *Three semester hours.*
COURSES OF INSTRUCTION

A study of the design, construction, and application of the combined visual and auditory aids to learning; anatomy and physiology of the eye and ear; the psychology of sensation and perception and its application in the use of slides, charts, motion pictures, and models. Review of applied research projects dealing with audio-visual aids to instruction and learning. Three hours per week. **Three semester hours.**

*Course 24 is required of all students in the Five Year Program in the preparation of teachers.*

For similar courses in other fields see English 25, German 21, Latin 22, Mathematics 24, Physical Education 5-6, and Romance Languages 21.

**Requirements for the Teaching of Science and Social Studies in Pennsylvania**

Distribution of Required Eighteen Semester Hours.

A. **Science.**

1. A certificate of standard grade will be validated for the teaching of science upon the completion of eighteen semester hours of approved preparation in science as follows:

   Physical sciences, nine semester hours including three semester hours in physics and three semester hours in chemistry.

   Biological sciences, nine semester hours including three semester hours in botany and three semester hours in zoology.

2. Where the applicant presents eighteen semester hours of approved preparation in physical sciences including six semester hours in chemistry and six semester hours in physics, "physical science" will be written upon the certificate.

3. Where the applicant presents eighteen semester hours of approved preparation in biological science including six semester hours in botany and six semester hours in zoology, "biological science" will be written upon the certificate.

B. **Social Studies.**

1. "Social studies" will be written upon the certificate when the applicant presents evidence of having completed eighteen semester hours of approved preparation in the social studies distributed as follows:

   Social Science ................................................nine semester hours
   History .......................................................nine semester hours

2. Where the applicant has completed eighteen semester hours of approved preparation in social science, "social science" will be written upon the certificate. Approved preparation must include political science, economics, and sociology.

3. Where the applicant has completed eighteen semester hours of approved preparation in history, "history" will be written upon the certificate.

**Requirements for Certification of Secondary School Teachers in New Jersey**

Authorization: To teach endorsed subject fields in grades seven to twelve.

Requirements:

1. A bachelor's degree based upon an accredited curriculum in a four year college.
2. A minimum of thirty semester hours of credit in general background courses distributed in at least three of the following fields: English, social studies, science, fine arts, mathematics, and foreign languages. Six semester hours of credit in English and six in social studies will be required.

3. A minimum of eighteen semester hours of credit in courses distributed over four or more of the following groups including at least one course in A, B and C below.

A. Methods of Teaching. This group includes such courses as:
   (1) methods of teaching in secondary schools, (2) visual aids in education, and
   (3) individuality instruction.

B. Educational Psychology. This group includes such courses as:
   (1) psychology of learning, (2) human growth and development, (3) adolescent psychology, (4) educational measurements, and (5) mental hygiene.

C. Health Education. This group includes such courses as:
   (1) personal health problems, (2) school health problems, (3) nutrition, (4) health administration, and (5) biology.

D. Curriculum. This group includes such courses as:
   (1) principles of curriculum construction, (2) the high school curriculum, (3) a study of the curriculum in a specific field, and (4) extra-curricular activities.

E. Foundations of Education. This group includes such courses as:
   (1) history of education, (2) principles of education, (3) philosophy of education, (4) comparative education and educational sociology.

F. Guidance. This group includes such courses as:
   (1) principles of guidance, (2) counselling, (3) vocational guidance, (4) educational guidance, (5) research in guidance, and (6) student personnel problems.

4. Two teaching fields are required, one of which must contain thirty semester hours of credit and the other eighteen.

   (Consult the Department of Education for required work within each of these teaching fields.)

5. One hundred and fifty clock hours of approved student teaching. At least ninety clock hours must be devoted to responsible classroom teaching. Sixty clock hours may be employed in observation and participation.

TERM. The limited certificate may be made permanent when the applicant completes three years of successful teaching experience within the scope of the certificate.

ENGLISH

PROFESSOR MCCLURE
PROFESSOR YOST
PROFESSOR PHILLIPS
PROFESSOR BAKER

VISITING PROFESSOR WEYGANDT
ASSOCIATE PROFESSOR CHILD
ASSISTANT PROFESSOR DOLMAN
MR. JONES

MR. KERSHNER

Students majoring in English must take the following courses: English Literature 5, 6; 7, 8; 9, 10; 11-12; 19-20; History 7-8; 9-10.

Students preparing for graduate study in English should elect French and German as their modern languages. Study in classical languages is also strongly recommended for such students.
COURSES OF INSTRUCTION

COMPOSITION

1-2. First Year English.  
DR. CHILD, DR. YOST, MR. DOLMAN, MR. JONES, MR. KERSHNER  
The study of the fundamentals of effective writing; the reading of prose and verse for the purpose of cultivating the ability to enjoy literature. Three hours per week. Six semester hours.  
Course 1-2 is prescribed for all students.

3, 4. Second Year Composition.  
DR. CHILD, DR. PHILLIPS, MR. DOLMAN, MR. JONES, MR. KERSHNER  
The further application of principles of writing developed in First Year English with particular stress upon expository method. Prerequisite, Course 1-2. One hour per week.  
Two semester hours.  
Course 3-4 is prescribed for all students entering after July, 1948.

5, 6. Advanced Composition.  
DR. CHILD, MR. DOLMAN  
A study of the principles underlying current types of writing. Course 5 will deal with fictional writing and emphasize the short story; Course 6, with factual writing and offer an introduction to journalism. Prerequisites, Courses 1-2 and 3, 4. Three hours per week.  
Six semester hours.  
Course 5, 6 alternates with Course 7, 8. Course 5, 6 will be given in 1951-52.

LITERATURE

3-4. Survey of English Literature.  
DR. PHILLIPS, DR. CHILD, MR. JONES  
The history of English literature from the beginning to the present. Special attention is given to the social background. Two hours per week. Four semester hours.  
Course 3-4 is prescribed for second year students in the English Group and is elective for second year students in other groups.

DR. YOST  
A study of the essay and non-fictional prose from the age of Queen Anne to the end of the eighteenth century. Three hours per week. Three semester hours.  
Course 5 is prescribed for third year and fourth year student in the English Group and is elective for third year and fourth year students in other groups.

DR. YOST  
A study of the essay and non-fictional prose from Lamb to Stevenson. Three hours per week. Three semester hours.  
Course 6 is prescribed for third year and fourth year students in the English Group and is elective for third year and fourth year students in other groups.  
Courses 5 and 6 alternate with Courses 7 and 8. Courses 7 and 8 will be given in 1951-52.
DR. YOST  
A study of English poetry from 1790 to the death of Byron. The decline of neoclassicism; the romantic movement. Three hours per week. Three semester hours.  
and is elective for third year and fourth year students in other groups.  
Course 7 is prescribed for third year and fourth year students in the English Group and is elective for third year and fourth year students in other groups.

DR. YOST  
A study of the poetry of Tennyson and his contemporaries. Three hours per week. Three semester hours.  
Course 8 is prescribed for third year and fourth year students in the English Group and is elective for third year and fourth year students in other groups.

9, 10. Shakespeare.  
DR. MCCLURE  
The development of English drama from the beginning to 1642; the reading of Shakespeare and his contemporaries. Three hours per week. Six semester hours.  
Courses 9 and 10 are prescribed for third year and fourth year students in the English Group and are elective for third year and fourth year students in other groups. Courses 9 and 10 alternate with Courses 15 and 16. Courses 9 and 10 will be given in 1951-52.

11-12. Introduction to Anglo-Saxon and the History of the English Language  
DR. MCCLURE  
Two hours per week. Four semester hours.  
Course 11-12 is prescribed for second year students in English Group and is elective in other groups.

DR. WEYGANDT  
English and American poetry from 1890 to the present. Two hours per week. Two semester hours.  
Course 15 is elective for all students in all groups.

DR. MCCLURE  
The development of narrative and lyric poetry. Two hours per week. Two semester hours.  
Course 16 is elective for all students in all groups.

17. The English Novel.  
DR. PHILLIPS  
a reading course in the development of the novel from its origin to the present. Two hours per week. Two semester hours.  
Course 17 is elective for all students in all groups.

18. Modern Drama.  
DR. PHILLIPS  
a reading course in the modern European and American drama from Ibsen to the present. Two hours per week. Two semester hours.  
Course 18 is elective for all students in all groups.

DR. YOST  
a survey of American literature from Colonial times to the present, with a consideration of the social history of the period. Three hours per week. Six semester hours.  
Course 19-20 is prescribed for third year and fourth year students in the English Group and is elective for second year, third year and fourth year students in other groups.
COURSES OF INSTRUCTION

21, 22. Classics in Translation. DR. BAKER
A study of the major authors of ancient Greece and Rome, with a view to understanding the background of European and English literature. Two hours per week. Four semester hours.

Course 21, 22 is elective for third year and fourth year students in all groups.

24. English Poetry. DR. YOST
A seminar in the reading and interpretation of English and American poetry. Prerequisite, Course 3-4. Three hours per week. Three semester hours.

Course 24 is elective for fourth year students, with the permission of the instructor.

25. Seminar. DR. PHILLIPS
The study and teaching of English; a consideration of problems, materials, and methods. Three hours per week. Three semester hours.

Course 25 is elective for third year students in the English Group. Others are admitted only by special permission.

FRENCH
See under Romance Languages.

GERMANIC LANGUAGES
PROFESSOR HARTZELL
ASSOCIATE PROFESSOR RICE
MR. STRAUB

GERMAN
Students majoring in German must take the following courses: German 5, 6; 7, 8; 9, 10; 13-14; twelve (12) semester hours study in another language.

1-2 Elementary German. DR. HARTZELL, DR. RICE, MR. STRAUB
Three hours per week. Six semester hours.

Course 1-2 is elective for all students who do not offer German for admission.

3, 4. Intermediate German. DR. HARTZELL, DR. RICE, MR. STRAUB
Three hours per week. Six semester hours.

5. Advanced German Reading. DR. HARTZELL
Reading of advanced material with particular attention to literary and cultural value. Three hours per week. Three semester hours.

6. Goethe’s Faust. DR. HARTZELL
Three hours per week. Three semester hours.

7, 8. German of the Classic Period. DR. HARTZELL
Reading of works by Lessing, Schiller, and Goethe, with a study of classic period. Two hours per week. Four semester hours.

9, 10. Modern German Literature. DR. HARTZELL
Reading of the works of representative writers of the nineteenth and twentieth centuries. Two hours per week. Four semester hours.

Course 7, 8 alternates with Course 9, 10. Course 7, 8 will be offered in 1951-52.
11-12. Scientific German.  
This course is planned to furnish drill in the reading of modern scientific German.  
Two hours per week.  Four semester hours.  
Course 11-12 alternates with Course 13-14. Course 13-14 will be offered in 1951-52.

This course comprehends a thorough drill in both oral and written composition.  
Two hours per week.  Four semester hours.

21. Teachers’ Course.  
A thorough drill in phonetics; special attention is given to correct pronunciation and the methods of teaching correct pronunciation; lectures and discussions on the methods of teaching foreign languages; a survey of textbooks and other material suitable for elementary classes. Three hours per week. Three semester hours.

Open to third year students preparing to teach German.

SWEDISH
Study in Swedish is open to students who have completed the language requirement for graduation.

1-2. Swedish Language and Culture.  
Students completing this course will have little difficulty in reading Danish and Norwegian as well as Swedish. Grammar, reading, and lectures on cultural background.  
Three hours per week.  Six semester hours.

3-4. Advanced Swedish.  
Readings in Swedish literature, including selections from Danish and Norwegian.  
Three hours per week.  Six semester hours.  
Course 1-2 alternates with Course 3-4. Course 1-2 will be offered in 1951-52.

GREEK
See under Classical Languages.

HEALTH AND PHYSICAL EDUCATION

PROFESSOR VANDERSLICE  
PROFESSOR BROWNBACK  
PROFESSOR BAILEY  
PROFESSOR SNELL  
ASSOCIATE PROFESSOR MINNICH  
ASSISTANT PROFESSOR GURZYNSKI  
ASSISTANT PROFESSOR WIENEKE  
ASSISTANT PROFESSOR WALDO  
ASSISTANT PROFESSOR WHITING  
MR. SEEDERS

Students majoring in Health and Physical Education must take the following courses:  
Physical Education 1, 2; 3; 5, 6; 7, 8; 9, 10; 14, 16, 17; 19; 20; 22; 201-2; 203-4; 205-6; 207-8; Chemistry 1-2; Biology 3; 1 or 2; 17-18; History 20; Sociology 1.

1. Introduction to Physical Education.  
An orientation course dealing with the interpretation, objectives, and current problems in physical education. Two hours per week. Two semester hours.

2. Principles and History of Physical Education.  
An historical analysis of the physical education principles, philosophies, and activities of man from primitive to modern times. Two hours per week. Two semester hours.
3. Community Recreation Programs.  
MR. BAILEY  
A comprehensive analysis of the leisure time problem. An examination of the nature, scope, need and function of community recreation programs, and of the social and economic forces affecting them. Three hours per week. Three semester hours.

4. Leadership in Camp and Club Activities.  
MR. GURZYNSKI  
Discussion of the principles, characteristics, and processes of leadership in light of their significance to directors of camp and club activities. Three hours per week. Three Semester hours.

5. Principles and Methods of Teaching Physical Education.  
MISS SNELL  
Principles, methods, and problems of teaching physical education activities at the elementary and secondary school levels. Open only to physical education majors and minors or students who have completed six hours in Education. Two hours per week. Two semester hours.

MISS WALDO  
Analysis of the principles, materials and methods involved in the teaching of health at different age levels. Open only to physical education majors and minors or students who have completed six hours in Education. Two hours per week. Two semester hours.

7, 8. Principles and Methods of Coaching and Officiating.  
MISS SNELL, MR. GURZYNSKI, AND OTHERS  
This course is designed with particular reference to the needs of prospective coaches and officials. Opportunities for practice in coaching and officiating are given in connection with the intramural and required physical education programs. Two classroom hours and one hour of practice per week. Four semester hours.

MR. BAILEY  
A study of the administrative problems in health, physical education, and recreation. Three hours per week. Three semester hours.

10. Tests and Measurements in Health and Physical Education.  
MR. GURZYNSKI  
This course aims to familiarize the student with the nature, function, and history of specific tools of measurement in the field of health and physical education and to give him working knowledge and experience in the use of essential statistical procedures. Three hours per week. Three semester hours.

MR. WIEKEKE  
The scope, responsibility, and function of the health education program in the school with particular stress upon the phases of healthful school living, health service, and safety education. Two hours per week. Two semester hours.

16. First Aid.  
MRS. WHITING  
Preventive procedures and emergency treatment for all types of common injuries. A course designed to give the student directed practice in the application of first aid knowledge. Red Cross Advanced First Aid certificates may be obtained by those who satisfy the requirements. Two hours per week. One semester hour.
17. Care and Prevention of Athletic Injuries. MRS. WHITING  
This course deals with the causes of common injuries incident to athletic competition and stresses methods of prevention and treatment. Two hours per week. One semester hour.

19. Mechanical-Anatomical Analysis of Activities. Kinesiology. DR. BROWNBACK  
An anatomical analysis of the mechanics of body movement and position. A study of the fundamental anatomical concepts in relation to the development of physical education skills. Prerequisite, Biology 17-18. Two hours per week. Two semester hours.

20. Physical Education for Atypical Children. MISS WALDO  
An analysis of the general conditions producing atypical children, of the biological and physiological aspects involved, and of the resultant psychological and sociological problems. Methods are given for the selection and classification of these individuals and for the adaptation of activities to meet their needs. Three hours per week. Three semester hours.

22. Physiology of Activity. DR. BROWNBACK  
The physiological phenomena underlying physical activity. The anticipatory, immediate, and after effects of exercise on the different organs and the organism as a whole. Class discussion and laboratory demonstration. Prerequisite, Biology 17-18. Two hours per week. Two semester hours.

25. Safety Education. MR. MINNICH AND OTHERS  
A study of industrial, agricultural, highway, domestic and miscellaneous hazards and of approved safety regulations and practices. Special reference to the selection and organization of the materials of instruction. Visual aids; safety projects with cooperation of community agencies. Three hours; credit for state certification.

26. Driver Education. MR. MINNICH AND OTHERS  
Development of good driving habits. Study of traffic laws. Study of the physics of automotive controls. Tests for visual acuity, field of vision, reaction time, distance judgment, glare acuity, night driving and others. Special emphasis on procedures in teaching driving to high school students. Visual aids. Three hours; credit for state certification.

Physical Education 25 and 26 meet present requirements for certification in Safety Education.

PHYSICAL EDUCATION ACTIVITIES

GENERAL ACTIVITIES

101-2. General Activities.  
A basic course in physical activities, designed for the development of organic vigor and the essential neuro-muscular skills. It aims to provide the student with recreative activities which may be valuable in later life and to create situations which may foster satisfactory social and moral outcomes. Seasonal activities of both group and individual nature are provided. This course is a requirement for graduation for all students except those in the Physical Education Group, and must be completed in the first year. Two hours per week. Not a credit course.
PROFESSIONAL COURSES

201-2. First Year Activities.
Physical education activities of a seasonal nature make up the major content of the course, with general emphasis on those of a team or group nature. Stress is placed upon the teaching and mechanical analysis of the individual skills and fundamental techniques. Study is made of the characteristic forms of different folk dances and their music. Outdoor activities include: (men) football, touch football, soccer, speedball, tennis, softball, baseball, track, and field; (women) soccer, speedball, tennis, hockey, softball, track and field. The indoor activities for both men and women include marching, tactics, calisthenics, apparatus work, folk dancing, group games, self-testing activities, basketball. Six hours per week. Four semester hours.

203-4. Second Year Activities.
A continuation of Course 201-2 with added emphasis upon methods of teaching and the development of strategy and team play. Attention is given to the selection, adaptation, and use of music suitable for the various types of rhythmic activities. The following outdoor activities are included: (men) football, touch football, soccer, speedball, tennis, softball, baseball, track, field, canoeing, aquatic activities; (women) soccer, speedball, tennis, hockey, softball, track, field, canoeing, aquatic activities. Indoor activities for both men and women include marching and tactics, calisthenics, apparatus work, stunts, tumbling, self-testing activities, group games, rhythms, tap dancing, basketball. Six hours per week. Four semester hours.

205-6. Third Year Activities.
This course offers a variety of individual activities which are in common use in the field of physical education. The course includes (men and women) archery, riding, tennis, volleyball, swimming, diving, golf, canoeing, aquatic activities, group games, social dancing, tap dancing, marching, apparatus work, stunts, tumbling, pyramids, etc. Six hours per week. Four semester hours.

207-8. Fourth Year Activities.
A continuation of Course 205-6. New activities are included and added emphasis is placed upon some of the more important individual sports already covered. A portion of this course is given over to review and to examinations for a comprehensive rating in physical education. The work in this course includes (men and women) archery, riding, golf, badminton, swimming, life saving, deck tennis, paddle tennis, quoits, horseshoes, canoeing, aquatic activities; (men) boxing; (women) modern dancing. Opportunity is given for original composition. Six hours per week. Four semester hours.

HISTORY

PROFESSOR ARMSTRONG
PROFESSOR BAKER
PROFESSOR E. H. MILLER

ASSOCIATE PROFESSOR ROSS
MR. DAVIS
MR. PARSONS

Students majoring in History must take the following subjects: History 5-6; History 9-10; ten (10) semester hours in elective courses in History, including one seminar; Economics 3, 4; Sociology 1; Political Science 1-2.
DR. ARMSTRONG, MR. ROSS, MR. DAVIS, MR. PARSONS
An introductory survey of European civilization from the beginning of the Middle Ages to the present. This course is required of all first year students, and is prerequisite for all other history courses except courses 15, 16. Three hours per week. Six semester hours.

3, 4. Early Modern Europe.  
DR. ARMSTRONG
Course 3 deals primarily with the Renaissance and the Reformation; Course 4 with Continental Europe in the Seventeenth and Eighteenth centuries. Three hours per week. Six semester hours.

5, 6. Europe in the Nineteenth and Twentieth Centuries.  
DR. ARMSTRONG, MR. ROSS, MR. DAVIS
A study of the principal developments in European history since Waterloo, special attention being given in Course 6 to the influence of European civilization on world affairs. Three hours per week. Six semester hours.

DR. ARMSTRONG
Course 7 will stress the Constitutional History of England; Course 8, colonial expansion and the social and economic consequences of the industrial revolution. Three hours per week. Six semester hours.
Course 3, 4 alternates with course 7-8. Course 7-8 will not be offered in 1951-52.

9-10. The United States of America.  
MR. DAVIS
Colonial and national history with special emphasis upon the State of Pennsylvania. This course is prescribed for all students in the History-Social Science Group in their third year and for any others who are preparing to teach Social Studies. Three hours per week. Six semester hours.
A year of European history in addition to Course 1-2 is recommended before Course 9-10 is elected.

DR. ARMSTRONG, MR. DAVIS
Preparation and discussion of research papers in American diplomatic history. Open to third and fourth year students in the History-Social Science Group who have had two years' work in history, and to others equally qualified, with permission of the instructor. Two consecutive hours per week. Four semester hours.
Course 12 will not be offered in 1951-52.

DR. E. H. MILLER
Three hours per week. Six semester hours.

15. Greek History.  
DR. BAKER
Studies in the political, social and economic life of ancient Greece. Two hours per week. Two semester hours.

16. Roman History.  
DR. BAKER
This course deals especially with the government of the Roman Republic, the transition to Empire and the causes of its decline. Two hours per week. Two semester hours.

17, 18. Seminar in European History.  
DR. ARMSTRONG, MR. ROSS
In the first term the seminar will be devoted to the preparation and discussion of research papers on Modern European History; in the second term the seminar subjects
will be the Early Roman Empire and Medieval England. Open to third and fourth year students in the History-Social Science Group who have had two years' work in history, and to others equally qualified, with permission of the instructor. Two consecutive hours per week. Four semester hours.

20. History of the United States and Pennsylvania. MR. DAVIS
This is a survey course especially designed to meet the requirements for certification of high school teachers in Pennsylvania. It is not open to students in the History-Social Science Group or to any student minoring in social studies. Three hours per week. Three semester hours.

21-22. Latin America. DR. E. H. MILLER
Political and cultural backgrounds of South and Central American nations and their relation to the interests and policy of the United States. Three hours per week. Six semester hours.

Course 13-14 alternates with Course 21-22. Course 21-22 will not be offered in 1951-52.

24. Russia. MR. ROSS
Political and social history of Czarist and Soviet Russia. Two hours per week. Two semester hours.

26. Canada. DR. ARMSTRONG
The development of the Canadian people from colonial status to nationhood. Two hours per week. Two semester hours.

Course 24 alternates with Course 26. Course 26 will not be offered in 1951-52.

ITALIAN
See under Romance Languages.

LATIN
See under Classical Languages.

MATHEMATICS

PROFESSOR CLAWSON
PROFESSOR MANNING
PROFESSOR DENNIS
MISS SCHULTZ

A member of the Mathematics Group normally takes Mathematics 1a, 2a, and 5-6 in the first year; Mathematics 3-4 and Physics 1-2 (to satisfy the general requirement in science) in the second year. For graduation at least 30 semester hours in Mathematics are required.

For students expecting to teach, the recommended courses in Mathematics are Problems, the Teachers' Course, Statistics, Theory of Equations, and Modern Geometry.

Students expecting to go into business, insurance or the actuarial profession should take a third year of English, and two years of Accounting. The recommended courses in Mathematics are Mathematics of Finance, Statistics, Finite Differences and Probability.

Students expecting to attend a graduate school, or engineering school, or interested
in scientific applications should take courses in their chosen science. The recommended courses in Mathematics are the Calculus, Vector Analysis, Group Theory, and Theory of Functions of a Complex Variable.

1, 2. *College Algebra, Trigonometry.*

A basic course covering the usual topics in these fields. The emphasis is on utility in science and business rather than on formal statement. Three hours per week. *Six semester hours.*

Course 1, 2 is prescribed for all students in the Mathematics Group who have been credited with not more than 3 units of mathematics toward admission.

1a, 2a. *College Algebra, Trigonometry.*

A more advanced course, presupposing the usual high school courses in these subjects. Three hours per week. *Six semester hours.*

Course 1a, 2a is prescribed for students in the Mathematics Group who have been credited with 3.5 units of mathematics toward admission.

3-4. *Elementary Calculus.*

A first course in infinitesimal calculus, comprising a study of methods and applications of differential calculus and an introduction to integral calculus. Prerequisite, Course 1, 2 or 1a, 2a. Three hours per week. *Six semester hours.*

Course 3-4 is prescribed for students in the Mathematics Group.

5-6. *Analytical Geometry, Plane and Solid.*

The use of algebraic methods in the study of geometry. Three hours per week. *Six semester hours.*

Course 5-6 is prescribed for students in the Mathematics Group.

Students in the Mathematics Group must elect a minimum of twelve additional hours from the following courses:


Review of the fundamentals, and a further study of methods of differentiation and integration and applications. Elements of differential equations. Prerequisite, Course 3-4. Three hours per week. *Six semester hours.*

9, 10, 11, 12. *Advanced Mathematics.*

These courses vary from year to year in accordance with the needs of the class. In recent years, Projective Geometry, Theory of Equations, Theory of Finite Groups, Vector Analysis, Theory of Functions of a Complex Variable, Theory of Numbers, Modern Geometry, Higher Algebra, Probability and Finite Differences have been studied. Prerequisites, Courses 5-6 and 3-4. Three hours per week. *Six semester hours.*

One or more of these courses will be offered in every term.

13-14 *Mathematics of Finance.*

The operation of interest in relation to the amortization of debts, the creation of sinking funds, the treatment of depreciation, the valuation of bonds, the accumulation of funds in building and loan association, and the elements of life insurance. Two hours per week. *Four semester hours.*
DR. MANNING  
Statistical methods of studying data from fields of economics, education and the natural sciences; including the study of graphs, averages, dispersion, probability, index numbers, curve fitting, analysis of time series, correlation, quality control, production control, and analysis of variance. Two hours per week. Four semester hours.  

17-18. Astronomy.  See Physics, Course 11-12.  

19, 20, 21, 22. Problems.  
DR. CLAWSON  
A weekly set of problems from various fields. This course may be begun in any term and continued for as many as four terms. Prerequisites, Courses 3-4 and 5-6. One hour per week. One semester hour for each term.  

24. Teacher's Course.  
DR. DENNIS  
The study and teaching of mathematics: a consideration of problems, materials and methods. Prerequisite, at least eighteen semester hours in Mathematics. For third-year students. Three hours per week. Three semester hours.  

MUSIC  
PROFESSOR PHILIP  
MISS SPANGLER  
A. THEORY OF MUSIC  

1-2. Elementary Harmony.  
DR. PHILIP  
A thorough foundation in the melodic, rhythmic, and harmonic elements of music; keys, scales, intervals, cadences, major and minor chords; rhythmic reading and dictation, time durations, and the study of compound and simple measures. Prerequisite, one year of piano study or of musical theory. Two hours per week. Four semester hours.  

3-4. Advanced Harmony and Simple Counterpoint.  
DR. PHILIP  
A detailed study of harmonic resources, from secondary chords to chromatic modulations and higher dissonances; principles of counterpoint, in two and three parts as divulged by study of sixteenth and seventeenth century compositions; four part harmony from melody and figured bass; dictation of four part harmony and works of the Classic School. Two hours per week. Four semester hours.  

Course 3-4 alternates with Course 5-6. Course 3-4 will not be offered in 1951-52.  

5-6. Counterpoint and Forms.  
DR. PHILIP  
Counterpoint based on study of medieval modes; fifteenth and sixteenth century styles; tonal counterpoint including two and three-part inventions; harmonic technique in contrapuntal style; dictation in contrapuntal style; survey of form in music; analysis of a comprehensive list of masterpieces. Two hours per week. Four semester hours.  

DR. PHILIP  
An advanced course requiring 10-15 hours of preparation per week. Two hours per week. Four semester hours.  

Course 7-8 alternates with Course 9-10. Course 7-8 will not be given in 1951-52.  

9-10. Composition.  
DR. PHILIP  
Practical composing in the smaller and simpler forms of voice, piano, and other instruments. One hour per week. Two semester hours.
11-12. Orchestration.  
Symphonic scoring through practical study; the study of the instruments of the orchestra and their relationship to the above. One hour per week.  
\textit{Two semester hours.}

B. Appreciation of Music

This course is especially intended not for those studying music from an applied or practical standpoint but for those desiring to enlarge their critical appreciation of music as a detail of their general culture. This course is more directly adapted to the special needs of the general group of college students than Course 15-16. This course has no prerequisite and is open to anyone. Two hours per week.  
\textit{Four semester hours.}

C. History of Music

Introduction to ancient and primitive music; music from the beginning of the Christian era to the present. Two hours per week.  
\textit{Four semester hours.}

Review of chief dramatic and musical developments of the masters with detailed study of outstanding compositions. Two hours per week.  
\textit{Four semester hours.}

Course 17-18 alternates with Course 19. Course 17-18 will not be given in 1951-52.

An intimate discussion and the detailed analysis of Wagner's works. Two hours per week.  
\textit{Two semester hours.}

D. Musical Organizations

21a. Band.  
A detailed study of both the "marching band" and the "concert band." Two hours per week.

21b. Band.  
Second year. Continuation of first year work, which is a prerequisite. Two hours per week.

21c. Band.  
Third year. Continuation of second year work, which is a prerequisite. Two hours per week.

21d. Band.  
Fourth year. Continuation of third year work, which is a prerequisite. Two hours per week.

23a, 24a. Symphony Orchestra.  
Reading and study of the best literature of the orchestra. Two hours per week.

23b, 24b. Symphony Orchestra.  
Continuation of first year work, which is a prerequisite. Two hours per week.

23c, 24c. Symphony Orchestra.  
Continuation of second year work, which is a prerequisite. Two hours per week.

23d, 24d. Symphony Orchestra.  
Continuation of third year work, which is a prerequisite. Two hours per week.
27a, 28a. *Vocal Ensemble and Methods.*
A study of the basic principles of ensemble technique, vocal characteristics, and various types of voices. Discussion and study of the musical literature of the different periods. Practical application of principles studied as well as participation with the Ursinus Meistersingers in public concerts. Two hours per week. *One semester hour.*

27b, 28b. *Vocal Ensemble and Methods.*
Continuation of first year work, which is a prerequisite. Two hours per week. *One semester hour.*

27c, 28c. *Vocal Ensemble and Methods.*
Continuation of second year work, which is a prerequisite. Two hours per week.

27d, 28d. *Vocal Ensemble and Methods.*
Continuation of third year work, which is a prerequisite. Two hours per week.

30. *Choral and Orchestral Conducting.*
Organization, arrangement, and direction of choruses and orchestras. Technique of the baton. Study of tempi; phrasing; dynamics; nuances; color. Practical experience conducting the college choral and orchestral units. Two hours per week. *Two semester hours.*

*Not more than twelve semester hours in Music may be counted toward graduation.*

**PHILOSOPHY**

**PROFESSOR MATTERN**

**MR. CREAGER**

One three semester hour course in Philosophy is required of every student for graduation.

Courses in Philosophy are open to third year and fourth year students, with the exception of Course 6. Course 6 is open also for second year students.

Courses 5 and 6 are designed for students who do not plan to elect advanced courses in Philosophy.

1. *Introduction to Philosophy.*

A preliminary course designed to give to the student orientation with reference to the fields and problems of philosophy. Three hours per week. *Three semester hours.*


This course is continuous with Course 1, but is a more intensive study of certain problems outlined in Course 1. Prerequisite, Course 1. Three hours per week. *Three semester hours.*

3. *History of Ancient and Medieval Philosophy.*

This course is designed to assist the student in his interpretation of modern thought-currents by means of a history of the evolution of reflective thought from Thales to Descartes. Three hours per week. *Three semester hours.*


This course is a continuation of Course 3, beginning with Descartes and tracing the modern development to present philosophical tendencies. Three hours per week. *Three semester hours.*
5. Ethics.  
DR. MATTEN
A study of the principles of moral judgment, with exposition and criticism of the more important theories concerning the basis of distinction between right and wrong conduct; the various problems of theoretical and practical ethics. Papers by students. Three hours per week. *Three semester hours.*

DR. MATTEN
A study of the guiding principles involved in correct thinking; the use of terms; classification; the nature of deductive inference with special reference to fallacious forms of reasoning as they receive expression in daily life; the canons of inductive inference; the basic concepts in scientific method. Three hours per week. *Three semester hours.*

Course 6 is open to second year students.

7. Philosophy of Religion.  
MR. CREAGER
A study of religious beliefs and practices in order to ascertain the nature and value of religion. Particular attention is given to questions involving the nature and reality of God, the problem of evil and suffering, free will, and immortality. Prerequisite, third year standing. Three hours per week. *Three semester hours.*

**PHYSICS**

**PROFESSOR HEILEMANN**  
**MR. SNYDER**  
**MR. MARSTELLER**

Students majoring in Physics must take the following courses: Physics 1-2; 3-4; 5, 6; 7-8; Mathematics 1a, 2a; 3-4; 7-8; 9, 10; Chemistry 1-2, 14.

Students majoring in Physics who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Physics 7-8; Mathematics 9, 10.

1-2. General Physics.  
DR. HEILEMANN, MR. SNYDER, MR. MARSTELLER
Elementary mechanics, heat, sound, light, electricity, and magnetism. Physics is presented not only as a science having practical application to everyday life, but as an example in itself of general scientific method. Prerequisite, Mathematics 1-2, or High School Trigonometry and a satisfactory rating in the Mathematical Aptitude section of the CEEB test or in some test of a similar nature. Although not a requirement, Mathematics 3-4 is strongly urged, to be pursued concurrently if not already completed. Three hours lecture and three hours laboratory per week. *Eight semester hours.*

*Note: Admission to advanced courses depends upon the quality of work done in the elementary course.*

Students intending to elect any of the advanced courses are asked to confer with the instructor during the year prior to that in which the course is to be taken, in order that a satisfactory schedule may be arranged.

DR. HEILEMANN
Linear and plane kinematics of a mass point; Newton’s Laws; linear and plane dynamics; work and energy; dynamics of a system of particles; statics and dynamics of rigid bodies; hydrostatics; fluid dynamics. Prerequisite, Mathematics 3-4. Three hours lecture and three hours laboratory per week. *Four semester hours.*
4. Electricity and Magnetism.  
Gauss's Theorem; potential; capacity; electric and magnetic circuit; Kirchhoff's Laws; inductance; alternating currents; electrical machinery; elements of electronics. Pre-requisite, Mathematics 3-4. Three hours lecture and three hours laboratory per week.  
Four semester hours.

5. Optics.  
Image formation; system of lenses and mirrors; dispersion; spectra, interference and diffraction; polarization; origin of radiation; effects of radiation; applications. Three hours lecture and three hours laboratory per week.  
Four semester hours.

The nature of sound the physical basis of music, speech, and hearing; acoustics of buildings; methods of sound transmission and reproduction, and study of distortion; diffraction and interference; applications. Three hours lecture and three hours laboratory per week.  
Four semester hours.

The elementary charged particles; electromagnetic radiation; waves and particles. Elementary theory of the Hydrogen atom; atomic spectra and electron distribution. Natural radioactivity; nuclear disintegration; nuclear energy. Prerequisite, Mathematics 3-4. Three lectures per week.  
Six semester hours.

7a-8a. Laboratory in Atomic Physics.  
Laboratory work (optional) for Course 7-8. Three hours per week.  
Two semester hours.

9-10. Special Topics.  
Readings and laboratory work with conferences. The student, having chosen some field in which he is interested, is expected to become familiar with the special instruments and methods of measurement used in that field. Only students capable of independent work may elect this course. Prerequisites, Mathematics 3-4 and two years of college physics. Credit according to work done.

Facts and theories concerning the appearance, dimensions, motions, and interrelations of celestial bodies. Prerequisite, Mathematics 1, 2 or its equivalent and some knowledge of physics. Two hours per week.  
Two semester hours.

POLITICAL SCIENCE

PROFESSOR E. H. MILLER  
PROFESSOR CHANDLER  
ASSOCIATE PROFESSOR PANCOAST  
MR. CAMPBELL

In addition to History 1-2 and Political Science 1-2, which are required for graduation under the general college requirements, students majoring in Political Science must take an additional eighteen (18) hours of Political Science (Political Science 5, 6 and twelve elective hours); History 9-10; Economics 3, 4; Sociology 1-2.

It is recommended that Political Science 1-2 be taken in the first year, Political Science 5, 6 and Economics 3, 4 in the second year, and History 9-10 in the third year.
MR. PANCOAST, MR. CAMPBELL  
An analysis of the structure and functions of American national and state governments.  
Three hours per week. *Six semester hours.*  
Course 1-2 is a prerequisite for all courses in this department except 11-12; 13-14.

MR. PANCOAST  
The legal power and position of the city in our political system. Thorough consideration of forms and activities of city governments. Three hours per week. *Three semester hours.*

4. *Political Parties.*  
MR. PANCOAST  
Both structural description and functional analysis of American political parties. The organization, work, leaders, and place of political parties in our democracy are considered at length. Three hours per week. *Three semester hours.*

5, 6. *Comparative Government.*  
DR. E. H. MILLER  
A detailed comparison of the Cabinet and Presidential systems, as exemplified by England and the United States; the study then extended to other representative governments, including France, Germany, Italy, Russia, and Japan. Three hours per week. *Six semester hours.*

DR. CHANDLE  
Significant political ideas, forces, and concepts from Plato to the present. Three hours per week. *Three semester hours.*

MR. PANCOAST  
Historical backgrounds and principles formulated by the United States Supreme Court receive special emphasis. In addition to a textbook, extensive use is made of case studies. Three hours per week. *Three semester hours.*

DR. CHANDLE  
A survey of the field of public administration, emphasizing administrative organization, fiscal management, and personnel management. The administrative process is considered as a unit encompassing federal, state, and local administration. Three hours per week. *Three semester hours.*

11-12. *Seminar in Political Science.*  
DR. E. H. MILLER  
Selected topics in international organization, international relations, and international law. Two hours per week. *Four semester hours.*  
Open only to third year and fourth year students.

DR. CHANDLE  
An evaluation of the present and potential strength of the World Powers, with particular reference to the present internal and international position of the United States. The application of the views of Mackinder, Haushofer and others to world conditions today. Three hours per week. *Six semester hours.*  
Open only to third year and fourth year students.
PSYCHOLOGY

PROFESSOR TYSON

MR. HIRST

Students majoring in Psychology must take the following courses: Biology 3, 11-12; Mathematics 15-16; Psychology 1, 4, 5, 6, 8, 10, 12. The following courses are suggested but not required: Physics 1-2 (for those who have not had Physics in high school); Philosophy 8. In the first year Biology 3 is to be taken; in the second year Psychology 1, 10, and Biology 11-12; in the third year Psychology 5; 8 and Mathematics 15-16; in the fourth year Psychology 4, 6, 12.

1. Elementary Psychology.

An introductory study of mental life and accompanying types of human behavior. Three hours per week. Three semester hours.

Course 1 must be taken during the first semester of the second year by all students preparing to become teachers.


A study of group action and of the group influences by which the individual is surrounded; tradition, custom, public opinion, and other psychological and social forces which affect individual judgment and action. Three hours per week. Three semester hours. Permission of the instructor is required for admission to the course.

5. Educational Psychology.

The native equipment of the learner; the relationship of heredity and environment; the inheritance of human traits; the principles of growth and development; physical, emotional, social and mental development; the principles of learning; transfer of training. Prerequisites, Psychology 1 or 2 and Course 2. Three hours per week during the first semester of the third year. Three semester hours. (The same course as Education 3.)


An introductory survey of the field of measurement in education, including measurement of intelligence and school results; main features of the technique of testing and test construction; types of tests and scales; evaluation; interpretation; use. Prerequisite, Course 3. Three hours per week. Three semester hours. (The same course as Education 10.)

8. Abnormal Psychology and Mental Hygiene.

Abnormalities of sensation, perception, memory, thinking, emotion, intelligence, motor activity and personality; sleep, dreams, and phenomena of suggestion; critique of psychoanalytic theories; psychological aspects of neurotic and psychotic disorders. The course will be given from the point of view of preventive mental hygiene. Three hours per week. Three semester hours.

10. General Psychology

For majors in psychology. This course will cover materials of general psychology not included in Psychology 1. (In 1952 Psychology 10 will be augmented by two hours of laboratory work. This is required of all major students in psychology. Other students may enter by permission of the head of the department.) Three hours lecture and two hours of laboratory per week. Four semester hours.
12. **Psychology in Industry.**  
This course deals with the application of psychological techniques and principles to the problems of industry. Emphasis is given to individual differences, aptitudes and skills, job evaluation, merit rating, work methods, training programs, fatigue, accident control, safety education, incentives, employee attitudes, morale, the interview and related employment methods. Three hours per week. **Three semester hours.** (Open upon approval of the head of the department to juniors and seniors who have completed Psychology 1).

**PUBLIC SPEAKING**

3-4. **Public Speaking.**  
Composition and delivery of various types of speeches, with group criticism and discussion. The class will be organized and conducted according to the Rules of Parliamentary Procedure. Prerequisite, English Composition 1-2. Two hours per week. **Four semester hours.**

5-6. **Debating.**  
This course is organized for both beginners and advanced students who are interested in debating in intramural and intercollegiate tournaments. Open to third year students. The course may be repeated for credit in the senior year. One hour per week. **Two semester hours.**

*Note: All students in the College may participate in the activities of the extracurricular debating society without (necessarily) being enrolled in Course 5-6.*

**RELIGION**

**MR. CREAGER**  
**VISITING PROFESSOR RICHARDS**

1. **Introduction to the Literature of the Bible.**  
An appreciative and historical study of the Bible, with a view to discovering its origin, nature, and significance in the life of today. Three hours per week. **Three semester hours.**

4. **Christian Classics.**  
Readings in the classics of Christian literature including the writings of such men as Augustine, St. Francis of Assisi, Thomas a Kempis, Fox, Law, Baxter, Woolman, and Temple. Three hours per week. **Three semester hours.**

6. **History of the Christian Church.**  
A study of the development of the Christian church from the apostolic period to modern times, with a view to understanding the nature and extent of its contributions to society. Three hours per week. **Three semester hours.**

   Course 4 alternates with Course 6. Course 6 will be offered in the spring term of 1951-52, Course 4 in the spring term of 1950-51.

7. **Philosophy of Religion.**  
A study of religious beliefs and practices in order to ascertain the nature and value of religion. Particular attention is given to questions involving the nature and reality of God, the problems of evil and suffering, free will, and immortality. Prerequisite, third year standing. Three hours per week. **Three semester hours.**
Students whose major subject is French must meet the following group requirements previous to graduation:

- French 5, 6, 9, 15, 16.
- One of following courses: French 7, 8, 10.
- One of following courses: French 11-12; 13-14.
- History 3-4.
- Latin 1-2; 3-4 (or equivalent, i.e., four years of Latin in secondary school).

1-2. Elementary French.  
Three hours per week. Six semester hours.  

3-4. Intermediate French.  
Three hours per week. Six semester hours.  

Prerequisite: Course 1-2 or equivalent (i.e., satisfactory completion, as shown by placement examination at Ursinus, of two or more years of French in secondary school).

3a-4a. Intermediate French.  
For students planning further work in French. Three hours per week. Six semester hours.  

Prerequisite: Same as for Course 3-4.

Two hours per week. Four semester hours.  

Prerequisite: Satisfactory completion of Course 3-4 or 3a-4a. History majors may be admitted to Course 5 with permission of the instructor.

Satisfactory completion of Courses 5, 6 is prerequisite to advanced work in the department.

7. Rabelais, the Pleiade, Montaigne.  
Two hours per week. Two semester hours.  

8. Corneille, Racine.  
Two hours per week. Two semester hours.  

Two hours per week. Two semester hours.  

10. Voltaire, Rousseau.  
Two hours per week. Two semester hours.  

Courses 7, 8 alternate with Courses 9, 10. Courses 9, 10 will be offered in 1951-52.

Two hours per week. Four semester hours.
Two hours per week. *Four semester hours.*

Course 11-12 alternates with Course 13-14. Course 11-12 will be offered in 1951-52.

15. Advanced Grammar.  
Two hours per week. *Two semester hours.*  

Dr. Garrett

Two hours per week and additional laboratory work. *Two semester hours.*  

Mr. Wilcox

21. Romance Languages.  
Preparation for teaching French. For third year students. Three hours per week. *Three semester hours.*  

Mr. Wilcox

22. Conversation.  
Prerequisite: Course 16 and permission of the instructor. Three hours per week. *Three semester hours.*  

Dr. Garrett

Italian

Study in Italian is open to students who have completed the language requirement for graduation.

1-2. Elementary Italian.  
Three hours per week. *Three semester hours.*  

Course 1-2 will not be offered in 1951-52.

3-4. Intermediate Italian.  
Three hours per week. *Three semester hours.*  

Course 3-4 will be offered in 1951-52.

Spanish

Students whose major subject is Spanish must meet the following group requirements previous to graduation:

- Spanish 5, 7, 8, 13-14.
- History 3-4, 21-22.
- Latin 1-2; 3-4 (or equivalent, i.e., four years of Latin in secondary school).

1-2. Elementary Spanish.  
Three hours per week. *Six semester hours.*  

Mr. Roberts

3-4. Intermediate Spanish.  
Three hours per week. *Six semester hours.*  

Prerequisite: Course 1-2 or equivalent (i.e., satisfactory completion, as shown by placement examination at Ursinus, of two or more years of Spanish in secondary school).

3a-4a. Intermediate Spanish.  
For students planning further work in Spanish. Three hours per week. *Six semester hours.*  

Prerequisite: Same as for Course 3-4.  
*Note: Satisfactory completion of Course 3a-4a is prerequisite to all advanced work in the department.*

5. Advanced Grammar.  
Two hours per week. *Two semester hours.*  

Mr. Wilcox
6. **Commercial Spanish.**
Two hours per week. *Two semester hours.*
Courses 5, 6 alternate with Course 13-14. Course 13-14 will be offered in 1951-52.

7. **Modern Spanish Literature.**
Two hours per week. *Two semester hours.*

8. **Spanish Literature of the Golden Age.**
Two hours per week. *Two semester hours.*
Courses 7, 8 alternate with Course 9-10. Courses 7, 8 will be offered in 1951-52.

9-10. **Spanish American Literature.**
Two hours per week. *Four semester hours.*

13-14. **Advanced Composition and Conversation.**
Three hours per week. *Six semester hours.*

21. **Romance Languages.**
Preparation for teaching Spanish. For third year students. *Three hours per week. Three semester hours.*

**RUSSIAN**

Study in Russian is open to students who have completed the language requirement for graduation.

1-2. **Elementary Russian.**
Three hours per week. *Six semester hours.*

3-4. **Intermediate Russian.**
Reading of representative authors in Russian. Three hours per week. *Three semester hours.*
Course 1-2 alternates with Course 3-4. Course 1-2 will be offered in 1951-52.

**SOCIOLOGY**

1-2. **Introduction to Sociology.**
A fundamental course covering the fields of social organization and social control. The course aims at presenting a basis for a scientific understanding of society, and for further study in the field of sociology or of social work. Open to third year and fourth year students and to second year students with the consent of the instructor. Three hours per week. *Six semester hours.*

**SPANISH**

See under *Romance Languages*

**SWEDISH**

See under *Germanic Languages*
**Prizes, Honors and Degrees**

**Awarded in 1950**

**PRIZES**

The Philip H. Fogel Memorial Prize—Luther G. Heist, Jr., '50
The Robert Truckesess Prize—Joseph A. Suchoz, '50
The Paisley Prizes—Helen C. Fretz, '50 Richard H. McKey, Jr., '51
The Elizabeth Rockefeller McCain Prize—Barbara J. Crawford, '52; Jane M. Hartzel, '52
The Boeshore Prizes—Sara V. Canan, '53; Harold A. Henning, '53; John P. Irwin, '52
The Duttera Prize—Lois C. Brown, '51
The Ursinus Women's Club Prize—Mary O. Evans, '50
The Ursinus Circle Prize—Dorothy E. Garris, '51
The Ellen Beaver Schlaybach Memorial Prize—Nancy L. Mattson, '50
The Rosicrucian Prize—Evelyn O. Scharf, '53
The Edwin M. Fogel Prize—Charles H. Egge, Jr., '50
The George Ditter Prize—Elizabeth R. Leeming, '50
The George W. Kehl Prize—Patricia A. Richardson, '51
The I. Calvin Fisher Prize—Robert C. Herber, '51
The Leibensperger Character Award—Donald E. Young, '51
The Elizabeth B. White Prize—Doris H. Dalby, '50
The Catherwood Fellowship—Louis D. Stefan, '50

**OPEN SCHOLARSHIP AWARDS:**

Robert C. Bickel
Michael R. Deitz
Mary M. Willet

Lois A. Glessner
Leonard J. Karlin

**HONORS**

**DEPARTMENTAL HONORS**

**GRADUATION HONORS**

**Biology:** Murray Norman Silverstein
**History:** Luther George Heist, Jr.
Frederick Arthur Nicholls

**Valedictorian:** Gerald Maurice Edelman

**MAGNA CUM LAUDE**
Gerald Maurice Edelman

**CUM LAUDE**
Joanne Elizabeth Duncan
William Jawood Elliott
Norman Paul Harberger
Frank Ralston Heavner, III
Luther George Heist, Jr.
Nancy Lou Mattson
George Edwin Saurman

**Economics:** Louise Damon Stefan
**Physics:** Norman Paul Harberger

**Salutatorian:** Louis Damon Stefan

John Joseph Sciarra
Murray Norman Silverstein
Louis Damon Stefan
Lloyd Wesley Stowe
Ernest Michael Tassoni
Charles LeRoy Wisner
William Edward Young
PRIZES, HONORS AND DEGREES

DEGREES, 1950

DOCTOR OF DIVINITY (HONORARY)
The Reverend Kenneth Neal Alexander
The Reverend Elmer Elwood Leiphart
The Reverend John Edwin Wildasin

DOCTOR OF LAWS (HONORARY)
Francis Jonas Gildner
The Honorable Samuel Kerns McConnell, Jr.
Chester Robbins
Robert Richard Titus

BACHELOR OF ARTS
Donald Rheese Aikens
Martin Luther Allen
Sara Charlotte App
Donald Owen Bailey
Arthur Howard Baron
Fred Theodore Beckhardt
Joanne Eita Beeten
Norman Victor Bertel
Frederick William Binder
Russell William Binder
Raymond Rodgers Blydenburgh, III
Edward Lehman Bogar, Jr.
John Lincoln Bower
Phyllis Jean Brant
John Richard Carson
John Sturbert Carter
Frank Galey Chandler
Richard Clinton Cherry
Guillian George Clamer
Earl Eugene Clum
Malcolm Dudley Condie
Jack Harris Corcoran
Margaret Jane Corliss
Ernest Thomas Craig
James Henry Crews
Doris Helen Dalby
Joan Charlotte Deacon
Margaret Esther Denham
Joyce Elaine Derstine
LeRohn Daniel Deysker
Clarence Harry Domm
Frank Marshall Edwards
Charles Harold Egge
Louise Marea Eisenhower
William Jawood Elliott
Earl Frederick Fargo, Jr.
Jean Berrolet Frederick
Helen Clemens Fretz
Grace Alene Garis
Aristotle George Gazonas
Glenn Franklin George
Paul Daniel Gerhart
Richard Gordon Gradwohl
Florence Lois Halbert

Elizabeth Elsie Haney
George Michael Harrington, Jr.
Richard Michael Harris
Wayne Leitzell Hartman
Lewis Emery Hatch, Jr.
Frank Ralston Heavner, III
Luther George Heist, Jr.
Jay Edwin Holder
John Lightkep Hoover, Jr.
Anne Edith Hughes
David Raymond Hunberger
Edward Henry Huss
Barbara Estelle Jarden
Max Russell Jentsch, Jr.
Wesley DuBois Johnson
Anita Frick Jonas
Robert Milton Jones
William John Jordan
Joan Lenore Kahn
Thelma Elizabeth Keil
William Lorah Keller
William Willis Kennedy
David John Knauer
Mabel Carolyn Kratz
Richard Donald Kropp
Robert Guibord Kunz
Alice Lillian Lachman
Clifford Miller Landes
Charles William Langner, Jr.
Douglas Carl Leander
Betty Ruth Leeming
Suzanne Adele Letson
Walter Newton Levan
Frank Baugh Light, Jr.
Matthias Golvin Lukens
William Ross MacBride
Robert Ross MacMurray
Raymond George MacQueen
Robert Spencer Madeira
George Edgar Mansur
Alfred Max Maser
John Bailey Maurer
Albert Joseph Mazurkiewicz
John Richard McCluskey
James Harper McKee
William Edward McManimen, Jr.
David Tweed McMillan, Jr.
Edward Crozier Meade
Elmer Goebert Meissner
Jack Andrew Molvie
James Bruce Moore
Clyde Robert Morris
Doris Helen Neil
Frederick Arthur Nicholls
William Lloyd Oberholtzer
John Arthur O'Hara
Robert Alexander Orr
Timothy Louis O'Shea
Norman Edward Paetzold
Dolores Nicoletta Pagliaro
Francis Xavier Pirazzini
Elaine Harriet Reed
Norman Benjamin Reed
Robert Alan Reichley
John Thomas Salberg
George Edwin Saurman
Marie Josephine Schauder
Harry John Schmie
Muriel Elsie Scholl
Norma Ann Sears
Jacqueline Antoinette Seitzinger
Joseph Francis Shaw, Jr.
Elizabeth Irene Shaffer
Barbara Pangburn Shumaker
Clarence Robert Simpson

Wallace Frederick Smiley
Raymond Douglas Smith
Virginia Custer Smith
Viola Jean Staker
Louis Damon Stefan
Nancy Holmes Stotler
Joseph Arnold Suchoz
Thomas Frederick Swan
Samuel Keith Taylor
Albert Ernest Teske
Adam LeRoy Tomlinson
Allan Graham Tyson
Leon Punie Urdang
Jane Louise Usher
Robert Edward Walsh
Robert Adam Wanner
John Repp Webb
Norman Heacock Weisler
Sydney Harold Weiss
Dale Clinton White
Beverly Schofield Whitney
Arthur Jordan Wilkie, Jr.
Albert John Wilson
Joseph Christian Wismer
William Alfred Withers
Robert Thomas Wolford
William Henry Wolford
David Eugene Woods
George Hunskier Yoder
Gladys Norma Young
William Edward Young
Jay Robert Ziegler

BACHELOR OF SCIENCE
Bruce Thomas Andrews, Jr.
William Radcliffe Anson, Jr.
William Henry Beardsley, Jr.
Robert Emmett Brown
William Charles Brown
Robert John Callahan
Alber Charles Casabona
Anthony Joseph Certa
John Joseph Chesna
Walter Earl Cooke
Edward Cornfield
Charles Thomas Burton Coyne
George Nevan Danchower
Jean Elizabeth Daniels
Frederick William Dau
Constance Burchard Derr
Raymond Dippel
Daniel Edward Draper
Joanne Elizabeth Duncan
Gerald Maurice Edelman
Harold Ettinger
Mary Olivia Evans

Morton Felsenstein
Tobias Lawrence Fleisher
William George Forsyth
Albert Anthony Galullo
Tina Janice Galt
Mary Jane Gebhard
Samuel Robert Gehman
Dmytro Charles Glinsky
Robert Hunter Gracey
Elizabeth AuWerter Graff
Marjorie Clarson Grauch
Harold Orlando Gross, Jr.
Robert Earl Hallinger, Jr.
Joseph Richard Bruce Hanna
Norman Paul Harberger
Howard Louis Hausher
Robert Johan Hekking
Jane Alice Hellie
Sherwood Jordan Hewitt
Derek Rowland Hightey
Janet Vanderzere Hightey
Chester Joseph Hilger
PRIZES, HONORS AND DEGREES

Werner Johann Hollendonner
Philip Markley Hunsicker
John Paul Ireland
Clifford Walter Jewell
Richard Johnson
Mary Jane Kraft
Charles Wilson Kuhn
Ronald Reiff Landes
Susan Adams Leinbach
Edith Genevieve Levengood
Edward Edwards Love
Roger David Lovelace
Joseph Kline Lutz
Reese Arthur Mahoney
Estelle Adele Marcon
Nancy Lou Mattson
Gilbert Meredith McClennan
Harry David McLaughlin
Robert McQuinn, Jr.
Ralph Leonard Meyer
Edward James Meyers
Gladys Virginia Miller
Malcolm Frederick Miller
Robert Raymond Mitchell
Nelson Frederick Moursy, Jr.
Mary Ruth Muffley
William Murdock Myers
Alan Francis Nagle
Philip Wayne Niedringhaus
Henry Jacob Olsata
Robert Joseph Ontiveros
Albert William Parsons
Winifred Mary Pattison
Wayne Ettinger Pearson

Jonathan Stackhouse Permar
John Edwin Peterson, Jr.
Charles Laurence Piersol, Jr.
Robert Poole, III
Ruthann Preston
Sara Mae Raizer
John Joseph Sampsel
Samuel Charles Santangelo
Herman Carl Sauer
Frank Joseph Schiesser, Jr.
Joseph Donald Schultz
John Joseph Sciarra
Betty Haas Sell
Kenneth Daniel Sell
John Young Short
Murray Norman Silverstein
Joseph Wallace Simpson
Theodore White Small, Jr.
Eleanor Louise Smiley
Donald Earl Smith
Robert Karlton Smith
Albert Lewis Snedaker, Jr.
Lloyd Wesley Stowe
Philip Quay Stumpf, Jr.
Ernest Michael Tassoni
Alda Kessler Thompson
Alice Elizabeth Thompson
William Everett Turner, Jr.
Donald James Weisel
Arthur Byrd Whitney
William Rambo Wilde
Joslyn Justus Williams, Jr.
Charles LeRoy Wisner
Robert Brooks Yeaton
### List of Students, 1950-51

<table>
<thead>
<tr>
<th>Name</th>
<th>City/State</th>
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<tr>
<td>Aamot, Ann Silverin</td>
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</tbody>
</table>
LIST OF STUDENTS, 1950-51

Callahan, Robert John Jr. Elkins Park
Campbell, Jean Marie Upper Darby
Canan, Sarah Virginia Philadelphia
Canfield, Dennis Warren Norristown
Cantafio, Tito Philadelphia
Carbaugh, Lois Freed Lancaster
Careless, Emily Jeanne Philadelphia
Carl, Harry Irvin Tremont
Carlin, Thelma Rachel Brooklyn, N. Y.
Carpenter, Eugene Fellows, 3rd Lansdowne
Carson, Richard Paul Turtle Creek
Carter, Edythe Lois Woodstown, N. J.
Carver, Nancy Lou Rahns
Cary, Jane Andrea Brooklyn, N. Y.
Chalmers, Russell Robert Oreland
Chalson, Paul East Islip, N. Y.
Chanter, Edwin Robert Oreland
Cheesman, John Richard Mt. Holly, N. J.
Christ, John Horrace Glenside
Christensen, Walter John Jr. Livingston, N. J.
Christian, Janice Marie Westfield, N. J.
Churchill, Charles Innes East Orange, N. J.
Jeanne Whiting Gilley Media
Clark, Jefferson Homer Wyncote
Clement, John Berton Jr. Beverly, N. J.
Cloud, Elinor Mildred Chester
Clove, Samuel Williams Abington
Coale, Margery Jean Holland
Cohen, Norman Nathan Philadelphia
Cohen, Stanley Philadelphia
Colletti, Jacob Salvatore Norristown
Compton, Joan Elaine Harrisburg
Condie, Richard Paul Hammonton, N. J.
Conestrina, Elizabeth Ann Harrisburg
Cooper, Edward West Glassboro, N. J.
Costello, Edward Francis Bridgeport
Crawford, Barbara Jane Bridgeport, N. J.
Cresse, Lewis Hoffman Jr. Collingswood, N. J.

Crispin, Donald Tyler Haddonfield, N. J.
Cumpstone, Donald Waller Hamden, Conn.

Curtis, Coleman Lloyd
Jackson Heights, N. Y.
Daniels, Martha Bursill Mt. Ephraim, N. J.

Dash, Bernard Philadelphia
Davies, Jeanne Mildred Philadelphia
Davies, John Edward King Manor
Davis, Howard Lester Upper Darby
Davis, Robert Gene Sewickley
Davis, Robert James King of Prussia
Davis, Thomas Gale Drexel Hill
Dawson, Barbara Jane Clifton Heights
Dawson, Helen Jane Merrick, N. Y.
Dearolf, Claude Robert Norristown
Degerber, Alfred William Ambler

Deitch, Joseph Edward Williamsport
Deitz, Michael Richard Hollis, N. Y.
Deitz, Susanne Beddow York
DeJavanne, Frederick Green Bay, Wis.
De Luca, James Ambler
DeMars, Roger Wayne South Orange, N. J.
DeSola, Dolores Beatrice Brooklyn, N. Y.
Detwiler, Dorothy Wynn Collegeville
Dewees, Lane Kent Croyden
DeWitt, Randolph Austin Oceanside, Calif.

Diehl, Jerry Ann Allentown
Diehl, Wainwright E. H. Bath
Dietrich, Dorothy Louise Oley
Dill, Beverly Joan Upper Darby
Dimon, William James Rushland
Ditto, Dorothy Lulabelle Hagerstown, Md.

Donahue, Gerald Brandon Atlantic City, N. J.
Donaldson, Marjorie Bunting Aldan
Dostrow, Arthur Manfred Philadelphia
Doughty, Paul Larrabee Beacon, N. Y.
Downs, Harry Millard Jenkintown
Drechslcr, Raymond Roger Arlington, Va.
Drummer, Manfred Emil East Greenwich
Duncan, James Jefferson Philadelphia
Dunn, Eleanor Coale Somerville
Dunn, Jonathan Dickinson Chalfont
Earhart, Brandt Noe Blue Bell

Edity, Burnett Warren Jr. Rochester, N. Y.
Edelman, John Ray Royersford
Ehman, Lois Virginia Philadelphia
Ehnot, John Michael Phoenixville
Eichler, Bernard Hillside, N. J.
Elliot, Walter Bruce Pottstown
Elwell, Herbert James Jr. Philadelphia
Ely, Herbert Jay Baederwood
Emrich, Robert Edgar Phoenixville
Engelman, Marilyn Tyler Chatham, N. J.
Ertel, Carolyn Emily Williamsport
Ervin, Connie Anne Philadelphia
Eshbach, Richard Earl York
Everhart, Nancy Jane Swarthmore
Ewing, Robert Alexander Merchantville, N. J.
Fach, Charles Edward Jr. Haddonfield, N. J.
Fairweather, William Wallace Jr.

Farquhar, Joan Philadelphia
Faust, Ellsworth Elias Conshohocken
Faust, Glenna Ruth Lansdowne
Faust, Florence Mabel Gilbertsville
Fehnel, Robert Wilson Lansdale
Feidler, Ruth Myrtle Northampton
Feidler, Shirley Geraldine Northampton
Feist, Harold Edward Norristown
Feldt, Marna Fair Haven, N. J.
Fellman, Nelson Miles Jr. Norristown
Fellows, Floyd George Flushing, N. Y.
Ferry, Frank Joseph Atlantic City, N. J.
Ferry, William Graham Atlantic City, N. J.
Feulner, Harry Reager Phoenixville
Fellow, Floyd George Flushing, N. Y.
Ferry, Frank Joseph Atlantic City, N. J.
Ferry, William Jr. Trenton, N. J.
Field, Alan Chester Conshohocken
Finnegan, Fred William Jackson Heights, N. Y.
Fischer, William R. Quakertown
Fisher, Bruce Klieman Bridgeton, N. J.
Fisher, Robert Bernard Philadelphia
Fisher, William Jr. Woodbury, N. J.
Fite, Doris Louise York
Flickinger, Evans Brooklyn, N. Y.
Flickinger, Martha Brooklyn, N. Y.
Fording, Norman Magee Jr. Philadelphia
Fomana, Clarence Jr. Ventnor, N. J.
Foster, Roy, Jr. Ventnor, N. J.
Fox, Charles Walker Norristown
Frambes, Curtis Harold Margate, N. J.
Frankel, Lionel Howard New York, N. Y.
Frankel, Ronald Allan New York, N. Y.
Freedman, Simon David Ventnor, N. J.
Frey, Patricia Ann York
Friedeborn, William Shenkle Collegeville
Friedeln, Frederic Jay Pitman, N. J.
Friedeln, Joanne Roma Pitman, N. J.
Fry, Herbert Eitnier Penryn
Fry, Robinson George Orefield
Fynan, William Martin Riverside, N. J.
Gallagher, William Coulter Jr. Philadelphia
Gallant, John Frank Swedesburg
Gardner, Helen May Salford
Garris, Dorothy Elaine Philadelphia
Garrow, Patricia Lyndon Pottstown
Gates, Virginia Louise Mineola, N. Y.
Geiger, Fred Charles Jr. South Orange, N. J.
Gellman, Richard Arthur Philadelphia
Gibbs, Robert Irwin Englewood, N. J.
Gind, Jaquelyn Gladys Quakertown
Givler, Aubre Myers Laureldale
Glessner, Lois Anne Holgate, Ohio
Glick, Eugene Philadelphia
Glock, Richard Allan Maywood, N. J.
Gobes, Sylvain Birchenville
Gordon, Robert Bruce Philadelphia
Gottshall, Samuel Charles Trappe
Gottshall, Wayne Ziegler Royersford
Graf, Jacqueline Trenton, N. J.
Granniss, Louise Vaughan Trenton, N. J.
Grant, Robert Thornton Camden, N. J.
Grater, Sarah Frances Trappe
Green, Philip Stanley Atlantic City, N. J.
Griffith, Dorothy Ann Mont Clare
Gross, Bernta Alyce Gwynedd
Gross, Joseph Owen Bethlehem
Gross, Stanley Brooklyn, N. Y.
Grove, Murray Ellis Williamsport
Gruber, Elric Helen Philadelphia
Gruber, John Joseph Elkins Park
Gulick, Jane Elizabeth Ardmore
Guss, Loren Howard Spring City
Guth, Robert Otto Schwenksville
Gutowski, Watson Aloysius Swedesburg
Haag, Eugene Jacob Bellmawr, N. J.
Haig, William Roland Philadelphia
Haines, Janet Elizabeth Masonville, N. J.
Hall, Beryl Mary Lansdowne
Hallman, Henry Raymond Mont Clare
Hallstrom, David John Collegeville
Hariton, Thomas Lenford Villanova
Hamilton, Joan Frances Phoenixville
Hamm, Clara Ruth Weatherly
Handy, Diana Harriet Ambler
Haney, Kathryn Mae Coopersburg
Harand, Robert Walter Tenafly, N. J.
Harred, Edwin Percy Wyckoff, N. J.
Harner, William Everett Jr. Boyerstown
Hart, J. Kenneth Philadelphia
Harte, Audrey Ethel Allentown
Hartman, James Rufus Palmrya
Hartman, Robert Frederick Blue Bell
Hartzel, Jane Madora Eureka
Hausman, Anna Carolyn Coopersburg
Haverstick, Charles Le Roy Glenside
Healy, Robert Thomas Jr. Audubon, N. J.
Heckman, Joanne Elaine E. Stroudsburg
Hector, Richard Norristown
Hedstrom, Carl Ernest Norristown
Hedstrom, William Harris Norristown
Heinl, Roland William Elkins Park
Heist, Richard Harris Rahns
Helfrich, William Ursinus Collegeville
Helfrich, Isobel Upper Darby
Heller, Elizabeth Joanne Royersford
Helweg, Mary Anne Wynnewood
Henderson, Robert Minor Philadelphia
Henning, Harold Albert Bath
Henrich, Nancy Jean Havertown
Henrie, Rodney Arden Bloomsburg
Henry, Mary Lou Philadelphia
Herber, Carolyn Rebecca Lebanon
Herber, Robert Colvin Lebanon
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<td>John, Alfred Jansen</td>
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<td>Johnson, David Daniel</td>
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<td>Johnson, James Laurence</td>
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<td>Johnson, Lois Ann</td>
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<td>Johnson, Natalie Reider</td>
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<td>Jones, Eleanor</td>
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<td>Jones, Paul Marshall</td>
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<td>Jordan, Jacqueline Elizabeth</td>
<td>Drexel Hill</td>
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<td>Jordan, Robert Norris Jr.</td>
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<td>Keesey, Ramona Fae</td>
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<td>Peekskill, N. Y.</td>
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<td>Kelly, Philip Henry</td>
<td>Miami Shores, Fla.</td>
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<td>Kemper, Charles Herman</td>
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<td>Kinsman, Richard Louis</td>
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<td>Antwerp, Belgium</td>
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<td>Yonkers, N. Y.</td>
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<td>LaPorte, Julia Delores</td>
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<td>Leckey, John Robert Jr.</td>
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LeKernec, William James
Bridegeton, N. J.

LeRoy, Pierre Louis
Philadelphia

Levin, Warren Mayer
Philadelphia

Levinson, Percival Philip
Philadelphia

Light, Harry Grim
Ft. New Hope, N. J.

Lightfoot, Helen Bratton
Richboro

Lindberg, Thelma Alice
Upper Darby

Linder, Marie Louise
Narberth

Lintner, Herman Alfred
Haddon Heights, N. J.

Lockhart, Arthur Holmes Jr.
Abington

Loesch, Karl Linford
Lansdale

Loomis, Wilmer Fielding Jr.
Broomall

Lord, Jean Ethel
Philadelphia

Lord, Russell Kissam
Orange, N. J.

Loveland, Jeanne Ann
Springfield

Lovett, John Robert
Norristown

Lucas, Carol Joyce
Glassboro, N. J.

Lucas Mary-Jo
Margate City, N. J.

Lucas, Virginia Ann
Margate City, N. J.

Ludwig, Richard Eli
Pottstown

Lukens, Walter G. Jr.
Philadelphia

Lukens, William Ellis
Plymouth Meeting

Lumis, Sallie Williams
West Chester

Lynn, Ilia Jane
Philadelphia

Lyttle, Kathy Jones
Reading

Lyttle, Richard Jones
Reading

MacBride, John Leslie
Philadelphia

Mack, Russell Eugene
Ardmore

MacKenzie, Donald Smith
Philadelphia

MacKinnon, Shirley Jane
Havertown

MacMullan, Douglas Traver
Queens Village, N. Y.

Magaziner, Ruth Wilson
Philadelphia

Magnier, Eugene Alfred-Henrie
Phoenixville

Main, Orrin Hardy
Boonton, N. J.

Maliken, Benjamin Joseph
Bradley Beach, N. J.

Malven, Donald St. John
Poughkeepsie, N. Y.

Mammel, Kenneth Albert
Newtown, Bucks Co.

Mann, Joseph Jacob
Ventnor, N. J.

Manning, John Randolph
Collegeville

Marcussen, Sonia Marie
Chalfont

Markey, Edna Campbell
Lebanon

Markley, Harry Morris
Norristown

Marmor, Norma Jane
Philadelphia

Upper Darby

Mathieu, Richard Detwiler
Collegeville

Matterness, Nancy Ann
Lebanon

Matteson, Marion Lois
Havertown

Matthews, Grace Elizabeth
Easton

Mauger, Warren Everett
Parkerford

Mauger, William Reynolds
Bala-Cynwyd

Mauro, Thomas Joseph Jr.
Long Branch, N. J.

McAvoY, Thomas Bell III
Phoenixville

McCarty, Rueth Joan
Denville, N. J.

McCarty, Robert Fraser
Philadelphia

McCleary, Paul Clarkson
York

McConnell, John Russell
Bridgeport

McElroy, Betty Rose
Woodridge, N. J.

McGrath, Myrna Mae
West Reading

McKeith, Willard John
Ventnor, N. J.

Mckey, Richard Haskayne Jr.
Wonalancet, N. H.

McLaughlin, Edna Cecilia
Philadelphia

McLaughlin, Harry D.
Pleasantville, N. J.

McPherson, Mary Margaret
Lancaster

Mecckelburg, Robert Lee
Cynwyd

Meeker, John Theodore
Pottstown

Meeker, Marjorie Anne
Pottstown

Meller, Thrygye Richard
Pottstown

Mella, Gordon Weed
Coatesville

Mella, Robert Pennock
Coatesville

Mellnik, Thelma Freas
Andalusia

Merki, Paul Albert
Lansdale

Merrifield, Marjorie Anne
Havertown

Mersfelder, Marjorie Helen
Maplewood, N. J.

Mewing, Edward
Scarsdale, N. Y.

Meyers, Dolores Claire
Allentown

Meyr, Herman George
Wilmington, Del.

Michals, GeorgeSpiros
Asbury Park, N. J.

Michels, Adelle Virginia
Hatfield

Miglio, Albert Raymond
Philadelphia

Miller, LeRoy Woodrow
Media

Miller, Marilyn Jean
Elizabethtown

Miller, Marilyn Jeanne
Reading

Miller, Marilyn Joyce
Allentown

Morgan, Arthur James
Philadelphia

Morgan, Mary Elizabeth
Haddonfield, N. J.

Morrell, Nancy Ann
Brooklyn, N. Y.

Mounce, Ralph William
Fricks

Mras, Frederick Weidel
Trenton, N. J.

Muench, Stephen August
Auburn, N. J.

Mullin, David Daniel
Norristown

Murphy, Agnes Marie
Rutledge

Musko, Erwin Thomas
Briarcliff Manor, N. Y.

Myers, Ben Clarence Jr.
Point Pleasant

Neborak, Anne
Philadelphia

Nemphos, Spero Peter
Rutledge

Nash, Edward Francis
Philadelphia

Neborak, Anne
Rutledge

Neborak, Anne
Norristown
LIST OF STUDENTS, 1950-51

Nebitt, Grace Eva Schwenksville
Nestor, Leonard Joseph Philadelphia
Newman, William Chadwick Point Pleasant, N. J.
Niesenbaum, Leonard Philadelphia
Nixon, Marshall Earl Eagleville
Noel, Edward John Williamstown
Nolt, Joanne Rush Mount Joy
North, Roy Archer Jr. Philadelphia
Oberholtzer, Harry Milton III Collegeville
Oelschlagar, Robert Irvin Philadelphia
Olsztax, Henry Jacob Conshohocken
Osborne, John Thomas Collegeville
Ott, George Edward Union, N. J.
Ott, Nancy Louise Lancaster
Owens, Frederick Hamman Royersford
Parent, Sara Ann Pitman, N. J.
Parlee, Kenneth Albert Kulpsville
Pascuschi, Eugene Anthony Pottstown
Pastorius, Janice Ilene Catasauqua
Pattison, Thomas Woolford Paoli
Paynter, Marjorie Adele Philadelphia
Pelovitz, Stanley Gilbert Somerville, N. J.
Perretten, Eldred Jane South Seaville, N. J.
Peterman, Ambrose Burdan Spring City
Peterson, Howard Klemmer Jr. Philadelphia
Phillips, Joseph John Ventnor, N. J.
Phillips, Thomas Griffith Toms River, N. J.
Piper, Glenn Alva Jr. Vineland, N. J.
Pleuris, Jean Anna North Bergen, N. J.
Pollitt, Lynn Trenton, N. J.
Pool, Louise Lansdale
Poore, William Harold Pennington, N. J.
Popovich, John Gene St. Clair
Powell, Barbara Joan Clementon, N. J.
Powell, John Rattlede Moylan
Price, Jennifer Talbot Wayne
Friday, Lyman Hamilton Trappe
Priester, Jacqueline Ann Willow Grove
Pimm, Helen Marie Phoenixville
Pritchard, Charles Platt Philadelphia
Quinn, John Edward Conshohocken
Radel, Richard John Phoenixville
Ramsey, Charles Ellis Collegeville
Rapp, Rosa Martha Willow Grove
Rapp, Roy Alan Collingswood, N. J.
Rauenzahn, Raymond Kain Philadelphia
Raymond, Mary Ann Ridley Park
Rearick, Bertram Delroy III Plymouth Meeting
Reed, Ruth Wilson Cranbury, N. J.
Reeser, Ruth Elaine Doylestown
Reeves, Edmund Hoffman Jr. Haddonfield, N. J.
Reice, David Sylvester Philadelphia
Reich, John William Egg Harbor, N. J.
Reid, Alice Elizabeth North Bergen, N. J.
Reid, Mary Georgine Morton
Reidenouer, Earl Jonas Jr. Pottstown
Reifels, Carl Henry Indianapolis, Ind.
Reinhold, Earl Raymond Camden, N. J.
Reiniger, Margaret Rose Springfield
Reiss, Fred Tuckerton, N. J.
Remener, Jeannette Margaret Yeadon
Rensberg, William Edward Collegeville
Reynolds, James Alan Vincentown, N. J.
Richards, Donald Clark Jr. Easton
Richardson, Patricia Anne Glenolden
Richter, Richard Paul Mont Clare
Rieve, Robert Weber Drexel Hill
Rilling, Elizabeth Lillian Philadelphia
Rineart, Betty Ann Highland Park, N. J.
Riner, Jean Taylor Highland Park, N. J.
Rittenhouse, Audrey Mae Lansdale
Rittenhouse, Benjamin Franklin Jr.
Roberts, Howard Frederick Long Beach, Calif.
Roeder, Barbara Anne Roselle Park, N. J.
Roemer, Ernest Albin Jr. Millville, N. J.
Rohland, John Erford Lebanon
Rolan, Ralph Miles White Plains, N. Y.
Rose, Donald Warren Norristown
Rose, Frances Mae Philadelphia
Ross, Harlan Page Jr. Cedars
Roughton, Helen Germaine Reading
Rover, Ann Gilbert Glenside
Ruccius, David Martin Norristown
Ruch, Edward Thomas Princeton, N. J.
Sandbeck, Dorothy Louise Philadelphia
Sanders, Joseph Francis Philadelphia
Santor, Ralph Salvatore Jr. Philadelphia
Saporoschenko, Mykola Collegeville
Sapp, Joan Marie Frackville
Saré, Allan William Trenton, N. J.
Satterthwaite, John Burton Pottstown
Saylor, Jane Davis Bethlehem
Schaaf, Sally Eleanor Middleport, Ohio
Schaebier, Matthew Lee West Lawn
Schaefler, Jean Lillian Ardmore
Schaefler, Evelyn Hope Green Lane
Schofield, Evelyn Ortrude Bergenfield, N. J.
Scheller, Roberta Fay Bath
Scheiber, Elizabeth Louise Pottstown
Scheiber, Paul Crawford Pottstown
Schellhase, Howard Boyd Waynesboro
Schiesser, Frank Joseph Jr. Willow Grove
Schlegel, Barton Ervin Bath
Schmidt, Donald Mitchell Atlantic City, N. J.
Schmidt, Emile Outzen New York, N. Y.

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Schneier, Louis Norristown
Schonen, Mary Charlotte Collegeville
Schou, Harold Miller Corning
Schroeder, Charles Edward Hollis, N. Y.
Schuck, Joseph John Jr. Bristol
Schultz, Frank Jr. Lehightown
Schulz, Dorothy Ann Coopersburg
Schwab, Paul Gerhardt Philadelphia
Schweitzer, Mary Irene Drexel Hill
Schwendeman, John Charles Philadelphia
Schwenk, Peter Nathaniel K. III Ocean City, N. J.
Scirica, Frank Joseph Norristown
Scott, James Francis Yeadon
Scott, James Robertson Norristown
Seidel, Joanne Carol Valley Stream, N. Y.
Sechrist, Gene LeRoy Yoe
Seibert, Herbert Philip East Orange, N. J.
Seifert, Edna Mae Gwynedd
Selke, Albert Charles Jr. Merchantville, N. J.
Sella, Edward Gerard Dunellen, N. J.
Sellick, Marjorie Jean Glastonbury
Serra, Salvatore M. Vineland, N. J.
Shakin, William Drexel Hill
Sharp, Mary Elizabeth Mount Holly, N. J.
Sharpe, Richard Garfield Drexel Hill
Sharp, Thomas John Philadelphia
Sheppard, Robert Malcolm Norristown
Sherr, Kathryn Joanne Lancaster
Shillingford, Robert Paul Drexel Hill
Shinehouse, Robert Russell Phoenixville
Shirer, Dorothy Esther Drexel Hill
Shiver, James Blaine Crescet City, Fla.
Shoemaker, Robert Clark Bridgeport
Sholly, John Ralph Chester Springs
Shope, William Glenn Jr. Conshohocken
Showalter, Gretchen Patricia Beechurst, L. I., N. Y.
Siegfried, Effie Edith Allentown
Simcox, Margaret White Doylestown
Simmendinger, Marcus Arlington Jr. Colmar
Simmendinger, Mary Ann Colmar
Skiba, Lillian Theresa Lester
Smale, Harold Laverne Pottstown
Smith, Joseph Anderson Trenton, N. J.
Smith, Robert Lewis Bridgeport
Smithgall, Melvin Harold Drexel Hill
Somerville, Winifred Louise Philadelphia
Sothern, Ray Douglas Valley Stream, N. Y.
Spencer, Margaret Elsie Norwood
Sprinkle, Mary Elizabeth Hellam
Stagg, Barbara Ruth Selinsgrove
Stahl, Charles Jay Souderton
Staples, Warren Dean Pitman, N. J.
Staufer, Donald Gilbert Pottstown
Staufowksy, Franklin Michael Hatboro
Stein, Elias Herman Philadelphia
Stein, Franklin Milton Philadelphia
Sternberg, Ralph Newark, N. J.
Stewart, Jeanette Madelyn Gibbstown, N. J.
Stewart, Katherine Womelsdorf
Stine, Marilyn Elizabeth Philadelphia
Stokes, Charles Summers Philadelphia
Stoll, John William Newton, N. J.
Strickland, John Forrest New Milford, N. J.
Strode, Joan Shirley Catasauqua
Stuba, Stella Conshohocken
Stubbs, Paul Albert Yardley
Sulberger, Charles Henry Merion
Summers, Charles Raymond Philadelphia
Summers, Jerry Camden, N. J.
Swartley, Charles William Chalfont
Swartz, Harry Mason Red Bank, N. J.
Swavely, Irvin William Pottstown
Swift, Joseph Oglevie Wayne
Swenk, Stanley Barnett Pottstown
Swett, Robert Freeman Madison, N. J.
Syvertsen, Bevalyn Edith Havertown
Tait, Gordon Churchills Lima, Peru
Taylor, Marjorie Aline Chevy Chase, Md.
Terndrup, Jack Lewis Elkins Park
Terres, Harold Irvin Camden, N. J.
Test, Mary Elizabeth Haddonfield, N. J.
Thomas, Ralph Richard Trappe
Thompson, Doris Rae York
Thren, Richard Paul Royersford
Tibbels, Ewing Wiley Trenton, N. J.
Tiedeken, Genevieve Ann Woodlynne, N. J.
Timmons, Adolph Jr. Cleveland, Ohio
Titus, Norma Adelaide Philadelphia
Tobis, Alvin Eugene Elberon, N. J.
Totino, Joseph Anthony Chester
Townsend, Mary Ann Elkins Park
Toy, Harry William Philadelphia
Tracy, James Budd Norristown
Traverso, Daniel Louis Spring Lake Heights, N. J.
Trowell, Mary Elizabeth Camden, N. J.
Trump, Philip Roland Eglevile
Tucker, Herbert Donald Conshohocken
Tuttle, Beverly Jane Phillipsburg
Tweedie, Mary Ann Camden, N. J.
Unger, Eleanor Elizabeth Drexel Hill
Van De Putte, Maurice Jean Catasauqua
Van Eyk, Annie King Manor
Van Horn, William Warren Huntingdon Valley
Vart, Janet Lee Philadelphia
Verburg, Joan Lenore Westfield, N. J.
### LIST OF STUDENTS, 1950-51

**Vickers, Stanley Merz** Philadelphia  
**Vliet, Marilyn Joan** New Brunswick, N. J.  
**Voegel, George Herbert**  
**Volk, Benjamin Walter** Hatboro  
**Voorhees, William Charles** Princeton, N. J.  
**Wagler, Robert William** Hollis, N. Y.  
**Wagman, Sidney Louis** Burlington, N. J.  
**Wagner, Kathleen Ann** Mohrsville  
**Waite, Elizabeth Ann** New York, N. Y.  
**Walker, Joseph Henry** Philadelphia  
**Walker, Maxine Alma** Philadelphia  
**Wallace, Parke Elias Jr.** Honey Brook  
**Walls, William Leslie** Reading  
**Walton, Warren Wesley** Philadelphia  
**Webb, William Tap** Upper Darby  
**Webber, Donna Lucille** Wayne  
**Wedmore, Richard Norman** Hamden, Conn.  
**Weidknecht, Shirley Louise** Phillipsburg, N. J.  
**Weiner, Norman David** Philadelphia  
**Weirich, Sara Ann** Myerstown  
**Weisel, Kenneth Gene** Perkasie  
**Weaver, John W.H.** Philadelphia  
**Wenner, Howard Theodore Jr.** Abington  
**Wenner, Nelson Jerome** Catasauqua  
**Wenrick, John Eugene** North Bend  
**Wetzel, Charles Arthur** Lansdowne  
**Wetzel, Willard Walter** Allentown  
**Wheeler, Warren Nelson** Madison, N. J.  
**Wildasin, Doyle Finley** Dublin  
**Wilkinson, Barbara Jean** Havertown  
**Willet, Mary McLeod** Freeport, N. Y.  
**Williams, Donald James** Philadelphia  
**Williams, Harry Elwood** Dalmatia  
**Williams, Robert Jene** Haddonfield, N. J.  
**Wilson, George Matthews** Titusville, N. J.  
**Wilson, Virginia Lee** Philadelphia  
**Winberg, Wilbur John** Egg Harbor, N. J.  
**Winther, David Blair** Melrose Park  
**Wiseman, Nancy** Stratford  
**Witmer, Dorine Emmaline** Pillow  
**Wolter, William Herman Jr.** Philadelphia  
**Witt, Barbara Ruth** Spring City  
**Wong, Fue Lun** Williamsport  
**Wood, Patricia Marie** Havertown  
**Woodruff, Joanne Elaine** Bridgeton, N. J.  
**Woodward, Wayne Carmint** Coatesville  
**Woodworth, Elaine Marie** Secane  
**Wright, Walter Livingston III**  
**Wagner, Kathleen Ann** Mohrsville  
**Wagner, Kathleen Ann** Mohrsville  
**Wagner, Kathleen Ann** Mohrsville  
**Wagner, Kathleen Ann** Mohrsville  
**Wagner, Kathleen Ann** Mohrsville  
**Wagner, Kathleen Ann** Mohrsville  
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**Wagner, Kathleen Ann** Mohrsville  
**Wagner, Kathleen Ann** Mohrsville  

**GROUP SUMMARY OF ENROLLMENT, 1950-51**

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When it is decided to make a bequest, care should be taken to have all testamentary papers signed, witnessed, and executed in strict accordance with the statutory laws of the State in which the testator resides. In all cases the name of the corporation should be accurately given, as in the following form:

I give, devise and bequeath to URSINUS COLLEGE, located at Collegeville, Montgomery County, Pennsylvania, its successors and assigns forever, the sum of ........................................ dollars, for its several corporate purposes (or name the particular corporate purpose desired by the testator).