



1-1953

# Ursinus College Catalogue for the Eighty-fourth Academic Year, 1953-1954

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COLLEGEVILLE, PENNSYLVANIA

1953-1954

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No. 1

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JANUARY 1953

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THE  
URSINUS COLLEGE  
BULLETIN



*Catalogue Number*

FOR THE

*Eighty-fourth Academic Year*

1953-1954

Collegeville, Pennsylvania

January 1953



## CORRESPONDENCE WITH URSINUS COLLEGE

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*Communications with the College should be addressed to the appropriate administrative officer.*

### GENERAL COLLEGE MATTERS

The President

### ACADEMIC STANDING OF STUDENTS AND REQUESTS FOR TRANSCRIPTS

The Dean

### ADMISSIONS, SCHOLARSHIPS, SUMMER SCHOOL

The Registrar

### EVENING SCHOOL

The Director of the Evening School

### PAYMENT OF BILLS

The Treasurer's Office

### STUDENT EMPLOYMENT

The Director of Student Employment

### PLACEMENT OF GRADUATES

The Director of Placement

### SOCIAL REGULATIONS AND DORMITORIES FOR MEN

The Dean of Men

### SOCIAL REGULATIONS AND DORMITORIES FOR WOMEN

The Dean of Women

### ALUMNI AFFAIRS

The Alumni Secretary

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*The Post Office address is Collegeville, Pennsylvania.*

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*The College telephone number is Collegeville 3311.*

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*Visitors to the College are welcome. Student guides are available when the College is in session. The offices of the College are open Monday through Friday 9-12 and 1-5 and on Saturdays 9-12. Applicants for admission who wish to discuss their plans with one of the officers of admission are urged to write for an appointment.*

*Information regarding public transportation and highway routes to Collegeville will be found on the last page of the Catalogue facing the Map on the inside of the cover.*

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# The Calendar for 1953-1954

1953

## JANUARY

S	M	T	W	T	F	S
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4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

## APRIL

S	M	T	W	T	F	S
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## JULY

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## OCTOBER

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## FEBRUARY

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## MAY

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31						

## AUGUST

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## NOVEMBER

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## JUNE

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## SEPTEMBER

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1954

## JANUARY

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## APRIL

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## JULY

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## FEBRUARY

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## MAY

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30	31					

## AUGUST

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22	23	24	25	26	27	28
29	30	31				

## MARCH

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21	22	23	24	25	26	27
28	29	30	31			

## JUNE

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20	21	22	23	24	25	26
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## SEPTEMBER

S	M	T	W	T	F	S
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

# The College Calendar for 1953-1954

## 1953

January	5	Monday	Christmas Recess ends, 8:00 A.M.
January	15	Thursday	First Semester examinations begin
January	23	Friday	Winter Term ends, 5:30 P.M.
February	2	Monday	Spring Term begins, 8:00 A.M. Registration of new students
February	16	Monday	Last Day for filing Open Scholarship Applications
March	20	Friday	Spring Recess begins, 5:30 P.M.
March	30	Monday	Spring Recess ends, 8:00 A.M.
April	3	Friday	Good Friday
May	21	Thursday	Second Semester examinations begin
May	30	Saturday	Alumni Day
May	31	Sunday	Baccalaureate Service, 10:45 A.M.
June	1	Monday	Commencement, 11:00 A.M.
June	15	Monday	First Summer Session begins, 8:00 A.M.
July	24	Friday	First Summer Session ends, 5:30 P.M.
July	27	Monday	Second Summer Session begins, 8:00 A.M.
September	4	Friday	Second Summer Session ends, 5:30 P.M.
September	21	Monday	Freshman Program begins. Registration
September	22	Tuesday	Second Day of Registration
September	23	Wednesday	Winter Term begins, 8:00 A.M.
November	25	Wednesday	Thanksgiving Recess begins, 5:30 P.M.
November	30	Monday	Thanksgiving Recess ends, 8:00 A.M.
December	18	Friday	Christmas Recess begins, 5:30 P.M.

## 1954

January	4	Monday	Christmas Recess ends, 8:00 A.M.
January	14	Thursday	First Semester examinations begin
January	22	Friday	Winter Term ends, 5:30 P.M.
February	1	Monday	Spring Term begins, 8:00 A.M. Registration of new students
February	15	Monday	Last Day for filing Open Scholarship Applications
March	19	Friday	Spring Recess begins, 5:30 P.M.
March	29	Monday	Spring Recess ends, 8:00 A.M.
April	16	Friday	Good Friday
May	20	Thursday	Second Semester examinations begin
May	29	Saturday	Alumni Day
May	30	Sunday	Baccalaureate Service, 10:45 A.M.
May	31	Monday	Commencement, 11:00 A.M.
June	14	Monday	First Summer Session begins, 8:00 A.M.
July	23	Friday	First Summer Session ends, 5:30 P.M.
July	26	Monday	Second Summer Session begins, 8:00 A.M.
September	3	Friday	Second Summer Session ends, 5:30 P.M.
September	27	Monday	Freshman Program begins
September	29	Wednesday	Winter Term begins, 8:00 A.M.



# The Directors

	First Elected	Term Expires
REV. TITUS A. ALSPACH, D.D., Lancaster,	1925	1955
MARGARET CLAFLIN ATKINSON, B.S., Haddonfield, N. J.,	1949	1955
LILLIAN ISENBERG BAHNEY, A.B., Myerstown,	1951	1956
CHARLES A. BEHNEY, M.D., Los Alamos, N. M.,	1937	1957
REV. C. EUGENE BLUM, B.A., B.D., D.D., York,	1950	1955
WALTER R. DOUTHETT, M.A., Darby,	1936	1956
SHERMAN A. EGER, M.D., Cynwyd,	1949	1954
REV. ARTHUR FRETZ, B.A., B.D., Allentown,	1948	1953
EDWARD S. FRETZ, LL.D., Collegetown,	1925	1955
FRANCIS J. GILDNER, ESQ., B.A., LL.D., Allentown,	1924	1954
DONALD L. HELFFERICH, B.A., LL.B., LL.D., Collegetown,	1927	1957
EVELYN GLAZIER HENZEL, B.A., M.A., Glenside,	1950	1955
*REV. HENRY J. HERBER, D.D., Lebanon,	1947	1957
H. OBER HESS, ESQ., B.A., LL.B., Norristown,	1947	1957
RHEA DURYEA JOHNSON, B.A., LITT.D., Philadelphia,	1928	1953
ROBERT L. JOHNSON, LL.D., Philadelphia,	1947	1957
REV. W. SHERMAN KERSCHNER, D.D., Philadelphia,	1940	1955
JOHN A. KUNZ, B.S., Alexandria,	1951	1956
CHARLES LACHMAN, LL.D., Bryn Mawr,	1949	1954
IRENE F. LAUB, M.D., Sc.D., Easton,	1938	1953
REV. JOHN LENTZ, D.D., Norristown,	1946	1956
D. STERLING LIGHT, B.A., Norristown,	1947	1957
N. E. McCLURE, PH.D., LITT.D., LL.D., L.H.D., Collegetown,	1936	1956
REV. JAMES M. NIBLO, D.D., Norristown,	1936	1956
CHARLES H. NOSS, York,	1944	1954
HARRY E. PAISLEY, LL.D., Philadelphia,	1907	1957
GEORGE E. PFAHLER, M.D., Sc.D., LL.D., Philadelphia,	1935	1955
WILLIAM D. REIMERT, B.A., Allentown,	1947	1957
CHESTER ROBBINS, M.A., LL.D., Princeton, N. J.,	1943	1954
**WILLIAM H. SCHELLHAMER, M.D., York,	1950	1955
HAROLD D. STEINBRIGHT, B.S., Cedars,	1949	1954
GEORGE L. THOMAS, JR., B.A., D.C.S., Lilypons, Md.,	1951	1956
ROBERT R. TITUS, B.S., LL.D., Villanova,	1948	1953
ERNEST C. WAGNER, PH.D., Sc.D., Swarthmore,	1946	1956
RALPH F. WISMER, ESQ., B.A., Collegetown,	1938	1953

\*Died, April 14, 1952.

\*\*Died, March 21, 1952.

## COMMITTEES OF THE BOARD OF DIRECTORS

*Executive Committee:* R. F. WISMER, H. E. PAISLEY, D. L. HELFFERICH, JOHN LENTZ, J. M. NIBLO, N. E. McCLURE, R. D. JOHNSON, D. S. LIGHT, CHARLES LACHMAN, H. D. STEINBRIGHT.

*Committee on Finance:* R. F. WISMER, H. E. PAISLEY, J. M. NIBLO, N. E. McCLURE, D. L. HELFFERICH, R. R. TITUS, CHARLES LACHMAN, H. D. STEINBRIGHT.

*Committee on Buildings and Grounds:* J. M. NIBLO, W. R. DOUTHETT, N. E. McCLURE, D. S. LIGHT, C. H. NOSS, H. D. STEINBRIGHT.

*Committee on Instruction:* N. E. McCLURE, G. E. PFAHLER, D. L. HELFFERICH, R. L. JOHNSON, CHESTER ROBBINS.

*Committee on Long-Term Planning:* J. M. NIBLO, W. S. KERSCHNER, W. R. DOUTHETT, I. F. LAUB, G. E. PFAHLER, C. H. NOSS, R. F. WISMER, N. E. McCLURE, D. L. HELFFERICH, H. E. PAISLEY, CHARLES LACHMAN.

*Committee on Budget:* W. R. DOUTHETT, R. F. WISMER, N. E. McCLURE, D. L. HELFFERICH, JOHN LENTZ.

## OFFICERS OF THE CORPORATION

*President:* HARRY E. PAISLEY, Philadelphia.

*First Vice-President:* HAROLD D. STEINBRIGHT, Cedars, Pa.

*Second Vice-President:* FRANCIS J. GILDNER, Allentown, Pa.

*Secretary:* RALPH F. WISMER, Collegeville, Pa.

*Assistant Secretary:* D. STERLING LIGHT, Norristown, Pa.

*Treasurer:* RALPH F. WISMER, Collegeville, Pa.

# *The Administration*

N. E. McCLURE, PH.D., LITT.D., LL.D., L.H.D., *President*

DONALD L. HELFFERICH, B.A., LL.B., LL.D., *Vice-President*

CHARLES LACHMAN, LL.D., *Vice-President*

MAURICE WHITMAN ARMSTRONG, S.T.M., PH.D., *Dean*

WILLIAM S. PETTIT, M.S., *Registrar*

GEOFFREY DOLMAN, M.A., *Assistant Registrar*

WILLIAM J. PHILLIPS, PH.D., *Director of the Evening School*

REV. ALFRED L. CREAGER, B.S., B.D., *College Chaplain*

G. SIEBER PANCOAST, M.A., *Dean of Men*

MISS CAMILLA B. STAHR, B.A., *Dean of Women*

TILTON M. BARRON, B.A., B.S. IN L.S., *Librarian*

RALPH F. WISMER, ESQ., B.A., *Treasurer*

JAMES R. RUE, *Manager, Treasurer's Office*

HARVEY R. VANDERSLICE, PED.D., *Director of Placement*

EVERETT M. BAILEY, M.A., *Director of Athletics*

CHARLES D. MATTERN, PH.D., *Director of Student Employment*

EDWARD H. PLATTE, M.D., *College Physician*

MISS HELEN M. MOLL, R.N., *Resident Nurse*

RUSSELL L. REMIG, CH.E., *Acting Superintendent of Buildings*

JAMES R. HERBSLEB, M.A., LL.B., *Manager, Supply Store*

MRS. G. S. PANCOAST, B.A., *Alumni Secretary*

JOSEPH P. LYNCH, *Acting Steward*

## THE ADMINISTRATIVE STAFF

*Secretaries*

- MRS. MARY S. STEELE, *President's Office*  
MRS. G. EDWARD WISLER, B.A., *Dean's Office*  
MISS AGNES J. DONAHUE, B.A., *Registrar's Office*  
MRS. RICHARD E. TYLER, *Registrar's Office*  
MRS. H. ARNOLD SMITH, *Placement Office*

*Assistants*

- MRS. SYLVAN BENDER, *Treasurer's Office*  
MR. WALLACE ANGSTADT, *Treasurer's Office*  
MRS. VERNA SCHUSHNAR, R.N., *Assistant Resident Nurse*  
MR. JUANITO MAQUISO, M.S. IN L.S., *Assistant Librarian*  
MRS. ROGER P. STAIGER, B.A., *Circulation Assistant, Library*

*Residents*

- MR. J. DOUGLAS DAVIS, M.A.  
MR. H. LLOYD JONES, JR., M.A.

*Preceptresses*

- MRS. W. U. HELFFERICH, B. LITT, *Hobson Hall*  
MRS. J. K. SCHLAYBACH, *Clamer Hall*  
MRS. G. HENRY SHRYOCK, *942 Main Street*  
MRS. FOSTER L. DENNIS, B.A., *Fircroft Hall*  
MISS MILDRED MORRIS, *Glenwood Hall*  
MRS. ROGER P. STAIGER, B.A., *Duryea Hall*  
MRS. EDGAR BAIRD, *45 Sixth Avenue*  
MRS. B. W. SIPLEY, B.A., *702 Main Street*  
MRS. CHARLES KING, *944 Main Street*  
MRS. A. E. SCHELLHASE, *646 Main Street*  
MRS. SAMUEL K. CUSTER, *South Hall*  
MRS. HARRY L. KRAMER, *Maples Hall*



## *The Faculty, 1952-1953\**

NORMAN EGBERT McCLURE, PH.D., LITT.D., LL.D., L.H.D., *President;*  
*Professor of English*

B.A., Ursinus College; M.A., Pennsylvania State College; Ph.D., University of Pennsylvania; Litt.D., Pennsylvania Military College; LL.D., Temple University; L.H.D., Franklin and Marshall College.

MAURICE WHITMAN ARMSTRONG, S.T.M., PH.D., *Dean; Professor of History*

B.A., M.A., Dalhousie University; B.D., Pine Hill Divinity Hall; S.T.M., Ph.D., Harvard University.

JOHN WENTWORTH CLAWSON, M.A., Sc.D., *Dean, Emeritus; Professor of Mathematics, Emeritus*

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., PED.D., *Professor of English, Emeritus*

B.A., Ped.D., 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.

CHARLES LYON CHANDLER, B.A., LL.D., *Professor of Political Science, Emeritus*

B.A., Harvard University; LL.D., University of Porto Alegre; LL.D., University of Bogota.

JAMES LANE BOSWELL, PH.D., *Professor of Economics*

B.A., Georgetown College; M.A., Ph.D., University of Pennsylvania.

RUSSELL DAVIS STURGIS, PH.D., *David Laucks Hain Professor of Chemistry*

B.A., University of Delaware; M.S., Ph.D., University of Pennsylvania.

\* Listed in order of appointment to present rank; appointments of the same year are listed alphabetically.

- 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.
- 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., Ph.D., University of Pennsylvania.
- CALVIN DANIEL YOST, JR., Ph.D., *Professor of English*  
B.A., Ursinus College; M.A., Ph.D., University of Pennsylvania.
- WILLIAM SCHUYLER PETTIT, M.S., *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., *J. Harold Brownback Professor of Biology*  
B.S., Ursinus College; M.S., Ph.D., University of Pennsylvania.
- 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.

\*\*Died, July 14, 1952.

- WILLIAM JOHN PHILLIPS, Ph.D., *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.
- ALLAN LAKE RICE, Ph.D., *Professor of German*  
B.A., M.A., Ph.D., University of Pennsylvania.
- TILTON MARSHALL BARRON, B.S. in L.S., *Librarian*  
B.A., Colorado College; B.S. in L.S., Columbia University.
- JAMES ALLAN MINNICH, M.A., *Associate Professor of Education*  
B.S., M.A., 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.
- ALFRED LEON CREAGER, B.S., B.D., *Chaplain; Associate Professor of the History of the Christian Church*  
B.S., Ursinus College; B.D. The Theological Seminary, Lancaster.
- RAYMOND VICTOR GURZYNSKI, M.Ed., *Associate Professor of Physical Education*  
B.S., Ursinus College; M.Ed., Temple University.
- JAMES ROBINSON HERBSLEB, M.A., LL.B., *Associate Professor of Economics*  
B.A., College of the Pacific; LL.B., M.A., Temple University.
- ROBERT LYNN HUTCHISON, B.A., M.A., Ph.D., *Associate Professor of Biology*  
B.A., College of Wooster; M.A., Ohio University; Ph.D., Northwestern University.
- KUHRT WIENEKE, M.S., *Assistant Professor of Physical Education*  
B.A., Thiel College; B.P.E., Springfield College; M.S., Pennsylvania State College.
- GEOFFREY DOLMAN, M.A., *Assistant Registrar; Assistant Professor of English*  
B.A., M.A., University of Pennsylvania.



- JAMES DOUGLAS DAVIS, M.A., *Assistant Professor of History*  
B.A., Ursinus College; M.A., University of Pennsylvania.
- BLANCHE BEATRICE SCHULTZ, M.S., *Assistant Professor of Mathematics*  
B.S., Ursinus College; M.S., University of Michigan.
- EVAN SAMUEL SNYDER, M.S., *Assistant Professor of Physics*  
B.S., Ursinus College; M.S., University of Pennsylvania.
- ROGER POWELL STAIGER, M.S., *Assistant Professor of Chemistry*  
B.S., Ursinus College; M.S., University of Pennsylvania.
- JAMES CLIFFORD HIRST, M.S., *Assistant Professor of Psychology*  
B.S., Franklin and Marshall College; M.S., Purdue University.
- HOWARD LLOYD JONES, JR., M.A., *Assistant Professor of English*  
B.A., University of Delaware; M.A., University of Pennsylvania.
- AMMON GEORGE KERSHNER, JR., PH.D., *Assistant Professor of English*  
B.S., M.S., M.A., Ph.D., University of Pennsylvania.
- 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.
- JUANITO G. MAQUIZO, M.S. IN L.S., *Assistant Librarian*  
B.S., Silliman University; M.S. in L.S., Drexel Institute of Technology.
- WILLIAM THOMAS PARSONS, M.A., *Instructor in History*  
B.A., Ursinus College; M.A., University of Pennsylvania.
- HARRY CLAY SYMONS, B.A., *Instructor in Economics*  
B.A., Pennsylvania State College.
- WALTER WOODROW MARSTELLER, B.S., *Instructor in Physics*  
B.S., Ursinus College.
- ALFRED D. ROBERTS, M.A., *Instructor in Romance Languages*  
B.A., Ursinus College; M.A., University of Pennsylvania.
- MARJORIE ANNE FRETZ, B.S., *Instructor in Biology*  
B.S., Ursinus College.
- CONSTANCE WARREN POLEY, B.S., *Instructor in Physical Education*  
B.S., Ursinus College.
- MARGARET BROWN STAIGER, B.A., *Circulation Assistant in Library*  
B.A., Ursinus College.
- HARRY A. SPANGLER, B.S., *Assistant in Physical Education*  
B.S., Shippensburg State Teachers' College.



## OFFICERS OF THE FACULTY

*Chairman, THE PRESIDENT**Secretary, PROFESSOR YOST*

## ACADEMIC COUNCIL

THE PRESIDENT

PROFESSOR YOST

PROFESSOR BONE

THE DEAN

PROFESSOR MATTERN

## ADVISERS

*Biology Department, Professor Wagner**Chemistry Department, Professor Sturgis**Classics Department, Professor Baker**Economics and Business Administration Department, Professor Boswell**English Department, Professor Yost**German Department, Professor Hartzell**Health and Physical Education, Professor Vanderslice**History Department, Professor Armstrong**Mathematics Department, Professor Manning**Physics Department, Professor Heilemann**Political Science Department, Professor Miller**Psychology Department, Professor Tyson**Romance Languages Department, Professor Wilcox*

## COMMITTEES

*Admission and Standing: THE PRESIDENT, DEAN ARMSTRONG, PROFESSOR MILLER, PROFESSOR PETTIT, PROFESSOR DOLMAN.**Library: THE PRESIDENT, THE LIBRARIAN, DEAN ARMSTRONG, PROFESSOR YOST, PROFESSOR STURGIS.**Scholarships: THE PRESIDENT, DEAN ARMSTRONG, PROFESSOR PETTIT, PROFESSOR MATTERN, PROFESSOR DOLMAN.**Discipline: DEAN ARMSTRONG, DEAN STAHR, DEAN PANCOAST, THE CHAPLAIN, PROFESSOR WILCOX, PROFESSOR PETTIT, PROFESSOR WAGNER.**Student Activities: PROFESSOR WAGNER, PROFESSOR BONE, DEAN STAHR, THE CHAPLAIN, DEAN PANCOAST.**Student Publications: PROFESSOR MATTERN, PROFESSOR BONE, PROFESSOR PHILLIPS, PROFESSOR JONES, PROFESSOR DOLMAN.*

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

*Forum:* DEAN ARMSTRONG, PROFESSOR MILLER.

## *Historical Sketch*

THE BEGINNING of educational work on what is now the campus of Ursinus College dates back to the construction of a primitive school-house built of logs probably two centuries ago. The ancient building was razed in 1832 when Todd's School was built in the town of Perkiomen Bridge, now Collegeville. In 1848 Freeland Seminary was opened on a tract adjacent to Todd's School. The new school occupied the buildings now known as Freeland Hall and Stine Hall. During the following two decades many hundreds of young men were educated here.

In 1867 a group of men, members of the German Reformed Church, actuated by a desire to serve the interests of higher education and of evangelical Christian religion, laid plans to establish a college where, to quote their words, young men could be "liberally educated under the benign influence of Christianity." They chose as the name of the College that of the distinguished sixteenth century scholar and reformer, Zacharius Ursinus of the University of Heidelberg. In 1869 the charter was granted by the Legislature of Pennsylvania. The buildings of Freeland Seminary were bought, and instruction was begun on September 6, 1870. Women were admitted to the College for the first time in 1881.

Coincident with the founding of the College was the establishment of a preparatory department as a successor to Freeland Seminary. The preparatory school was called Ursinus Academy and was operated as such until 1910, when it was discontinued.

### COLLEGE PRINCIPLES

URSINUS COLLEGE is a coeducational liberal arts college devoted to the principles that have made the smaller privately endowed college so important in American education. Each student, whatever his field of specialization, is required to study those subjects that are the core of our cultural heritage, such as ethics, literature and history which help him to arrive at sound judgments in intellectual, moral, social and political matters. The College emphasizes the fact that, however varied and specialized the changing needs of the day, the fundamental needs

of man remain constant. Ursinus, in the company of other good American colleges, has sought to help its students to know the world at its best and to understand and to emulate the best in men. The College strongly feels its duty to preserve and enrich the cultural tradition which this generation has inherited and to pass this sense of duty along to succeeding generations. Throughout its eighty and more years of existence the College has extended its work to include the education of men and women for a variety of professions. The aim always has been to lead its students to develop those qualities which will fit them for the extraordinary responsibilities of educated men and women.

Student self-governing bodies whose aims are to maintain respect for College regulations and to encourage self-control in social and civil affairs are administered separately by the men students and the women students.

In principles and by tradition the College is devoted to the policy which opposes unnatural distinction among its students. Equal opportunity for all is provided and a wholesome spirit of fraternity and cooperation is encouraged.

The purposes of the College are achieved through its curriculum, through the many College activities which are extra-curricular, and through the pattern of campus life.

#### CULTURAL ENVIRONMENT

STUDENTS AT URSINUS have all the advantages of living in the country and at the same time being close enough to New York or Philadelphia to have easy access to such additional opportunities for culture as the symphony orchestra, grand opera, legitimate theatres, museums, lectures and exhibits.

Ursinus is located in the heart of a region which is rich in historical tradition. In Colonial days this region was the center of the cultural and political development of America.

#### 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.

\* *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.*



# College Activities

## ATHLETICS

URSINUS RECOGNIZES the physical and moral benefit derived from athletic activity and accordingly offers a well-rounded sports program open to all. Intercollegiate competition is encouraged in football, basketball (varsity and junior varsity), soccer, wrestling, baseball, track, tennis, and golf. In addition to this intercollegiate program intramural games are also sponsored. Intramural athletics for men include league competition in touch football, basketball, and softball, and an elimination tournament in tennis.

For women students, the College supports intercollegiate competition in 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 activities are described under Buildings and Equipment. (See pp. 20 to 23).

## ORGANIZATIONS

A LARGE NUMBER of organizations provide numerous and varied facilities of extra-curricular activity. All such organizations are approved by the Faculty and are supervised by the Committee on Student Activities or the Dean of Men and Dean of Women. In addition various members of the Faculty serve these groups as advisers. Student life on campus is regulated and controlled by the Men's Student Council and the Women's Student Government Association under the direction of the Dean of Men and the Dean of Women. Members of the student governing organizations are elected by the student body.

One of the most active organizations is the Young Men's and Young Women's Christian Association of which every student is nominally a member. Numerous religious and social activities are planned and sponsored by this group in collaboration with other campus groups. Allied religious and service groups are the Chi Alpha Society for those students planning to enter the ministry or other religious work, the Lutheran Student Association, the Canterbury Club, and the Newman Club.

Other organizations stimulate the interest of students in particular areas of study or in future occupations: the Anders-Brownback Pre-Medical Society, the Beardwood Chemical Society, the English Club, the French Club, the Pre-Legal Society, the Future Teachers of America,

and the Business Administration Club. Interest in athletics and campus spirit is fostered by the Women's Athletic Association, the Varsity Club, and the Spirit Committee. A chapter of the Honorary Social Studies Society, Pi Gamma Mu, has been established.

A large and varied program of dramatics is sponsored and carried out by the Curtain Club, which presents two major productions a year in addition to various group productions. There is at Ursinus a chapter of Alpha Psi Omega, a national honorary dramatic fraternity.

The Debating Club each year holds intercollegiate and intramural debates on topics of national interest. Members may qualify for election to Tau Kappa Alpha, the national honorary debating fraternity.

Music plays a large part in the life at Ursinus. The College Choir, the Glee Club, the Band, and the Music Club all serve to encourage an interest in good music. One of the outstanding musical events of the year is the traditional rendering of Handel's *Messiah* each year during the Christmas season.

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 the Ursinus newspaper. It is managed by a Board of Control consisting of student and faculty representatives and is edited and written entirely by the students. The Editor-in-Chief, the associate editors and the business manager are elected by the board on the basis of merit and the staff is selected by the editors on the same basis. The paper appears weekly and is of interest to students and alumni as a record of life at Ursinus.

THE LANTERN serves as an outlet for those interested in creative writing and art. It is written and edited by an all-student staff under the sponsorship of a member of the Faculty Committee on Student Publications. It is published three times a year.

THE RUBY, the Ursinus yearbook, is published by the Senior Class each year. It is a volume presenting an intimate pictorial account of the year's activities, not only of the Class, but of the entire College.

## *Buildings and Equipment*

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 of curios and *objets d'art*.



The Library collection of 43,000 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 location of Ursinus College in the Philadelphia area makes available for special studies the considerable bibliographical holding of neighboring 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.

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 a 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 at the 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 TENNIS COURTS are in the rear of Curtis Dormitory.



The women's HOCKEY FIELDS are located in the rear campus near the Alumni Memorial Library.

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 convenience of students. Adjacent to the Post Office is the Supply Store, in which are sold text books, college jewelry, stationery, confections, and students' supplies.

### DORMITORIES FOR MEN

FREELAND HALL, erected in 1848, is the original building of Freeland Seminary. DERR HALL, and STINE HALL are additions to Freeland. The buildings are of stone, four stories in height with a fifth story of dormer rooms. On the two lower floors are the four dining rooms, the kitchen, storage and refrigeration rooms, and the office of the steward. The upper floors are 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.

FETTEROLF HOUSE, fronting on Main Street and facing the College campus, is a residence hall for men.

### DORMITORIES FOR WOMEN

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.

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 an infirmary.

SUPERHOUSE, a residence on Main Street opposite the campus, was 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.

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

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

CLAMER HALL, Main Street, is a residence hall for women.

# Admission

THE FIRST STEP in seeking admission to Ursinus College is to file an application. A form for this purpose may be obtained from the Registrar. After the completed form has been returned to the College, accompanied by the ten-dollar pre-matriculation fee, the Registrar will request the applicant's school principal or headmaster to send an official transcript of the school record. At the same time, inquiry is made concerning the character of the candidate and his fitness to do college work. When a school record has been returned to the College, the Registrar will assign the appropriate College Entrance Examination Board Tests.

## TESTS

ALL CANDIDATES for admission to the Freshman Class are expected to take at least the Scholastic Aptitude Test and the English Composition sub-test of the College Entrance Examination Board. Full information concerning the dates of administering such tests can be obtained by writing directly to the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey. If, in the opinion of the Committee on Admissions, it seems helpful to have additional information, the applicant may be asked to take additional achievement tests. In a few exceptional cases, the Committee on Admissions may prescribe tests other than those of the College Entrance Examination Board.

## PREPARATION

A CANDIDATE for admission to the Freshman Class must be a graduate of an approved secondary school.

If the applicant is a graduate of a four-year high school and does not plan to major in Business Administration, he should offer for admission at least fifteen units which are to be distributed as follows:

BASIC ACADEMIC CREDITS (*9 Units*)

English, *Four Years, Earning Three Units*

Elementary Algebra, *One Unit*

Plane Geometry, *One Unit*

Science, *One Unit*

Social Studies, *One Unit*

Foreign Language, *Two Units in One Language*

ADDITIONAL ACADEMIC CREDITS (*At least 2½ Units*)

Advanced Algebra

Solid Geometry

Plane Trigonometry

Science

Social Studies

Foreign Language

ELECTIVES (*Maximum 3½ Units*)

*Not more than 1 credit will be accepted in any single elective*

Bookkeeping

Drawing

Geology

Physiography

Stenography

Junior Business Training

Music (Prepared Course)

Commercial Law

Commercial Geography

If the candidate is a graduate of a three-year high school and does not plan to major in Business Administration, he should offer at least twelve units, which should include the basic credits above. Not more than one unit may be presented from the group designated as electives.

#### ADMISSION TO BUSINESS ADMINISTRATION

APPLICANTS for admission to the course in Business Administration 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 requirements for graduation.

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



### ENGINEERING PROGRAM

ARRANGEMENTS have been made with the Towne Scientific School and the Moore School of Electrical Engineering, the two Engineering Schools of the University of Pennsylvania, by which a student may transfer to either of the above schools after completing three years of prescribed work toward the B.A. degree at Ursinus College.

Ursinus College will grant the B.A. after the student has satisfied the requirements for that degree. The University of Pennsylvania will grant the Engineering degree upon completion of the fifth year.

The candidate for the Engineering program must present 3½ years of entrance credit in Mathematics.

### SPECIAL STUDENTS

A LIMITED NUMBER of applicants who are not candidates for degrees may be admitted as special students, provided that they have satisfactory preparation for the college courses which they wish to pursue. Special students must register for at least twelve hours of work in each semester. They are subject to the same regulations as other students.

### TRANSFER STUDENTS

TO ENTER the Sophomore or Junior Class at Ursinus College, applicants must support their applications by requesting each institution they have attended subsequent to graduation from secondary school to send to the Registrar a transcript of their record at the institution of higher learning and a certificate of honorable dismissal. It will be helpful if the candidate will send a catalogue of the college he has been attending, suitably marked to indicate the courses he has taken.

*Not more than sixty hours of work taken elsewhere will be credited to students transferring to Ursinus College.*

### PART-TIME STUDENTS

NON-RESIDENT students who wish to pursue fewer than twelve semester hours of work are classified as part-time students.

### NOTIFICATION OF ADMISSION

WHEN A CANDIDATE for admission is notified of his acceptance by the College, he must make an advance payment of fifty dollars. This payment is credited on his bill for the first term. If he fails to complete his matriculation, the payment is forfeited.

### THE SUMMER SCHOOL

DURING the past several years Ursinus College has conducted a Summer School which is normally comprised of two six-week sessions. A student may carry up to fourteen semester hours of work during the Summer Session.

The Summer curriculum is planned in the Spring and information concerning course offerings is available after April 15. Inquiries should be addressed to the Registrar.

### THE EVENING SCHOOL

THE EVENING SCHOOL is organized to make college work available to men and women employed in business and industry, and to others who may be interested. The program emphasizes courses in business administration and in fields closely allied to business administration, such as economics, political science, history, English composition, and public speaking.

For information, catalogue, and application forms address The Director, Evening School, Ursinus College, Colledgeville, Pa.

### 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 should apply to the Registrar, preferably at the end of the third year. If the candidate is admitted to the five-year curriculum, the Dean, the 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 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 Business Administration find employment as accountants, secretaries, junior executives, sales managers. 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 College 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 in the Chemistry Industry doing pioneer work in the field of chemical research and development.

*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.

*Engineering.* Students who wish to study Chemical, Civil, Electrical, Mechanical or Metallurgical Engineering may avail themselves of a program which is being offered at Ursinus College in cooperation with the University of Pennsylvania. A student at Ursinus College may transfer to one of the Engineering Schools of the University of Pennsylvania after completing three years of prescribed work toward the B.A. degree at Ursinus.

Ursinus College will grant the B.A. degree after the student has satisfied the requirements for that degree. The University of Pennsylvania will grant the Engineering degree upon completion of the fifth year.

*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 and Social Science courses, 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.* 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 Departments of History, Political Science or English and elect widely in other fields. Following graduation from college a year at a professional school of 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.* Concentration in Biology or Chemistry is recommended in order 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 program of concentration in Physics and Mathematics 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 including practice teaching, as required by many of the state departments of Education, 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 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.

#### 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.

# Expenses

## RESIDENT STUDENTS *Charges Per Semester*

Men—Comprehensive Fee .....	\$500 to \$520
Women—Comprehensive Fee .....	\$520 to \$545
Activities Fee .....	\$7.50

## NON-RESIDENT STUDENTS *Charges Per Semester*

Tuition .....	\$250
Activities Fee .....	\$7.50

### PAYMENTS ARE TO BE MADE AS FOLLOWS

#### New Students

Within 10 days of acceptance —

Advance Payment .....	\$50
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#### Old Students

August 1st —

Advance Payment .....	\$50
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#### All Students

September —

Comprehensive Fee less credit for advance payment

Activities Fee

January —

Comprehensive Fee

Activities Fee

When the student is a recipient of a scholarship award, credit will be applied in the amount of one-half the value of the annual award to each semester bill.

Some students find it inconvenient to pay the comprehensive fee in one sum. Requests for devising a special financial plan may be made to the Registrar.

### FEES

**PRE-MATRICULATION FEE.** A fee of \$10 is paid by the candidate at the time he files his application.

ADVANCE PAYMENT. (a) Upon his acceptance by the College an applicant must make an advance payment of \$50. This payment is credited on his bill for the first term. If he fails to complete his matriculation, this payment is forfeited. (b) All regularly enrolled students must make an advance payment of \$50 at such time as may be designated by the College. This payment is forfeited if the student fails to complete his registration.

COMPREHENSIVE FEE covers class room instruction, tuition, use of laboratories, libraries, gymnasiums, and the infirmary; ordinary medical attention; care by the resident nurse; furnished room and table board, exclusive of Christmas and Winter and Spring recesses. The variation in fee depends upon the location of the room.

The College reserves the right to make reasonable alterations in the comprehensive fee at the beginning of any term to cover possible unforeseen costs.

ACTIVITIES FEE covers subscription to the *Ursinus Weekly*, intercollegiate debating, the Christian Associations, the Ursinus College Forum, admission without charge to all athletic contests at the College, admission to Curtain Club plays and to College dances.

ROOM DRAWING. An enrolled student must pay \$10 in order to qualify for drawing a room. Credit will be applied on the bill for the first term.

PRIVATE MUSICAL INSTRUCTION. A fee of \$50 is charged for any student who wishes private individual instruction in organ, piano, violin, voice or any band or orchestral instrument. This is the charge for one half-hour lesson each week during the regular term.

BREAKAGE DEPOSIT. 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.

STUDENT TEACHING. A fee of \$50 is required of each student engaged in practice teaching. This is payable upon presentation of the bill.

GRADUATION FEE. A fee of \$10 is charged each student the last bill of his senior year.

TRANSCRIPT FEE. 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.



## REGULATIONS

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.

A student who is absent from College because of sickness, 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 because of a student's dismissal or withdrawal from the College during a term, except when the student enters the armed services.

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.

*Checks should be made payable to Ursinus College.*



# *General Information*

## ROOMS AND MEALS

URSINUS COLLEGE is a community and pleasant community life is emphasized. Students who are not living in their own homes are required to room at the College and to take their meals in the College dining rooms.

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.

## 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 encouraged to attend services on Sunday in the church of their own choice.

## ABSENCES

IF A STUDENT is absent from class because of 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.

#### 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, a copy of which 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 four degrees in course: Bachelor of Arts, Bachelor of Science, Master of Arts, and Master of Science. For specific requirements of the curricula leading to each of these degrees, see pages 48 and 49. 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.

#### 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. During the regular College sessions the resident nurses are on duty twenty-four hours a day. They care for the sick under the direction of the College Physician. Each student is given a physical examination on entering College.

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.

# *Scholarships, Prizes, and Aid to Students*

## FULL TUITION SCHOLARSHIPS

THERE ARE eight Open Scholarships, each having a potential value of \$2000, available to the entering Freshman Class. The Open Scholarships are competitive, provide full tuition to the recipients and are tenable for four years provided that the holder's conduct and scholastic work remain satisfactory.

Candidates for Open Scholarships must take the Scholastic Aptitude Test and three sub-tests of the Scholastic Achievement Tests (one of which must be in English) in the March series of the College Entrance Examination Board.

Application for Open Scholarships must be filed by February 15.

## OTHER SCHOLARSHIPS

Many endowed scholarships varying from \$50 to \$300 a year are awarded on the basis of financial need. Each grant is tenable for four years provided that the holder's conduct and scholastic work remain satisfactory.

Scholarship application forms may be obtained from the Registrar.

## BUREAU OF STUDENT EMPLOYMENT

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 Employment 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 fifty dollars per year. Approximately one hundred and fifty positions, representing varying amounts of compensation and types of work, are now open to students.

Students who agree to perform a specific task, such as serving in the dining rooms, have their accounts credited in advance of their work. Those who work by the hour, however, have their accounts credited at the end of their term of work. Inasmuch as bills for the Spring Term are prepared and mailed before the end of the Fall Term, students who work by the hour must all have their bills adjusted at the opening of the Spring Term.

Letters of application, as well as those requesting information, should be addressed to the Director of Student Employment.

### 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 or in business or industry should address communications to the Director of Placement, Ursinus College, Collegeville, Pa.

### 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 \$50 offered by Robert Trucksess, Esq., 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 MC CAIN PRIZE

A prize of \$500 has been endowed in perpetuity by the late George Nox McCain, Litt.D., of Philadelphia, as a 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 URSINUS WOMEN'S CLUB PRIZE

A prize of \$20, offered by the Ursinus Women's Club, is awarded at graduation to the young woman who has attained highest distinction in athletics.

#### THE URSINUS 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 LEIBENSBERGER 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 Leibensberger Prize was established by Mr. and Mrs. E. D. Leibensberger, Hershey, Pa. Mrs. Leibensberger is the former Merle L. Williamson, Class of 1931.

#### 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:

<i>The John Alexander Scholarship</i> , founded by John Alexander, D.D., of St. Louis, Missouri, in appreciation of benefits enjoyed when a student in the College.	\$1,000
<i>The Alumni Memorial Scholarships</i> , founded by the gifts of alumni in memory of the Ursinus men who gave their lives in the service of their country, 1941-1945,	96,293.03
<i>The Appel Memorial Scholarship</i> , 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
<i>The Aspden Memorial Scholarship</i> , founded by Newton J. Aspden, of Trinity Reformed Church, Philadelphia, in memory of his beloved wife, Levinah Erb Aspden,	5,000
<i>The Bahner Scholarship</i> , 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
<i>The F. Kline Baker Scholarship</i> , founded under the will of F. Kline Baker, of Philadelphia, in memory of his wife, Helen Baker,	2,000
<i>The Beck Scholarship</i> , 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



<i>The Augustus Behney Scholarship</i> , founded by Charles A. Behney, M.D., '12, in memory of his father,	3,500
<i>The Valeria Behney Scholarship</i> , founded by Charles A. Behney, M.D., '12, in memory of his mother,	3,550
<i>The Bethany Tabernacle Scholarship</i> , founded by the congregation of Bethany Tabernacle Reformed Church, Philadelphia, the Rev. H. H. Hartman, '94, pastor,	2,000
<i>The J. William Bireley Scholarship</i> , founded by J. William Bireley of Frederick City, Md.,	1,000
<i>The Anna M. Bomberger Scholarship</i> , founded by Anna M. Bomberger, with gifts amounting to \$600 and completed by Mrs. H. S. Bomberger, both of Lancaster, Pa.,	1,000
<i>The John Brownback Memorial Scholarship</i> , founded by Melinda M. Acker and Mary M. Brownback, of Uwchland, Chester County, Pa., in memory of their father,	1,000
<i>The Mary M. Brownback Scholarship</i> , founded under the will of Mary M. Brownback, of Uwchland, Chester County, Pa.,	1,000
<i>The Carson Scholarship</i> , founded under the will of Captain John Carson, of Newburg, Cumberland County, Pa.,	1,000
<i>The Christ Church, Hellertown, Scholarship</i> , founded by the congregation of Christ Evangelical and Reformed Church, Hellertown, Pa., the Rev. Adam E. Schellhase, '18, pastor,	1,000
<i>The John H. Converse Scholarship</i> , founded by John H. Converse, of Philadelphia,	1,000
<i>The Cub and Key Scholarship</i> , founded by The Cub and Key Society,	2,324.23
<i>The Deitz Scholarship</i> , founded by Gilbert A. Deitz, '18 and Purd E. Deitz, '18, in memory of Martha E. Deitz and Mattie A. Deitz,	1,000
<i>The Barnabas Devitt Scholarship</i>	1,000
<i>The Elsie Devitt Scholarship</i>	1,000
<i>The Emma Mayberry Devitt Scholarship</i>	1,000
The Devitt Scholarships were founded under the will of Emma Devitt of Philadelphia, Pa.,	
<i>The Doll Family Scholarship</i> , founded by George Doll, Adaline Doll, and Josephine Doll of Philadelphia,	2,037.92
<i>The Charles and Elizabeth Drumm Scholarship</i> , founded by Charles Drumm, of Philadelphia, Pa.,	4,000
<i>The Erb Scholarship</i> , founded by the Rev. William H. Erb, '93, and Andora Erb,	2,000
<i>The Fetterolf Memorial Scholarship</i> , founded under the will of Abraham D. Fetterolf, of Collegeville, Pa.,	2,000
<i>The John B. and Horace A. Fetters Scholarship</i> , founded under the will of Mary M. Brownback, of Uwchland, Chester County, Pa.,	1,000
<i>The John B. Fetters Memorial Scholarship</i> , founded by Rebecca B. Fetters, of Uwchland, Chester County, Pa., in memory of her son, who died after a week's attendance at College in September, 1885,	1,000
<i>The Alice L. and William D. Fox Scholarship</i> , founded under the will of Alice L. Fox, of Lebanon, Pa.,	1,000

<i>The Henry Francis Scholarship</i> , founded by Henry Francis, of Spring City, Pa.,	1,000
<i>The Elizabeth Frey Scholarship</i> , founded by gift of Elizabeth Frey, of Stewartstown, Pa.,	11,500
<i>The Grace Church Scholarship</i> , founded by Milton Warner and Wilson H. Lear, of Grace Reformed Church, Philadelphia, Pa.,	1,000
<i>The Haines Scholarship</i> , founded by Charles Grove Haines, '03, and Bertha Moser Haines, '02,	1,749.83
<i>The Heidelberg Scholarship</i> , founded by a member of Heidelberg Reformed Church, York, Pa.	1,000
<i>The Nora Shuler Helfferich Scholarship</i> , 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,	6,250.00
<i>The William Ursinus Helfferich Scholarship</i> , 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
<i>The William A. Helffrich Scholarship</i> , founded by the Rev. W. A. Helffrich, D.D., of Fogelsville, Pa.,	1,000
<i>The George W. and Francis R. Hench Scholarship</i> , founded by the Rev. S. M. Hench, D.D., of Trappe, Pa., in memory of his parents,	1,500
<i>The Mattie B. Hench Scholarship</i> , founded by Mrs. Mattie B. Hench, of Trappe, Pa.,	1,200
<i>The Joseph H. Hendricks Memorial Scholarship</i> , 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
<i>The Hilltown Scholarship</i> , founded by the Hilltown and Dublin charge of the Reformed Church in the United States, Bucks County, Pa.,	1,000
<i>The Freeland G. Hobson Scholarship</i> , founded under the will of Freeland G. Hobson, LL.D., '76, of Collegeville,	1,000
<i>The Joseph and Enoch Isenberg Scholarship</i> , founded by Dorothy Isenberg, of Hollidaysburg, Pa.,	1,000
<i>The Mary E. and James M. S. Isenberg Scholarship</i> , founded by Paul H. Isenberg, '21, Lillian Isenberg Bahney, '23, and Helen Isenberg Ballantyne, '24, in memory of their parents,	1,000
<i>The Jefferson Medical College Scholarship</i> , founded by Lewis Cass Scheffey, M.D., Sc.D., to aid students who plan to enter Jefferson Medical College,	3,000
<i>The Saint John's, Orwigsburg, Scholarship</i> , founded by the congregation of Saint John's Reformed Church, Orwigsburg, Pa., the Rev. D. R. Krebs, D.D., '02, pastor,	1,000
<i>The Keeley Scholarship</i> , founded by Joseph Keeley, of Spring City, Pa.,	1,000
<i>The Kelker Scholarship</i> , founded by Rudolph F. Kelker, of Harrisburg, Pa.,	1,000
<i>The Francis Kready Scholarship</i> , founded by Francis Kready, of Lancaster, Pa.,	2,000
<i>The Franklin W. Kremer Memorial Scholarship</i> , 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

<i>The LeRoy Boyer Laubach Scholarship</i> , founded in memory of LeRoy Boyer Laubach by his mother, Mrs. M. B. Laubach, of Philadelphia, Pa.,	2,000
<i>The Sarah J. Leiphart Scholarship</i> , founded under the will of Sarah J. Leiphart, of York, Pa.,	9,842.81
<i>The Francis Magee Scholarship</i> , founded by the late Francis Magee, of Philadelphia,	1,000
<i>The Aaron E. March Scholarship</i> , founded by Aaron E. March, of York, Pa.,	2,000
<i>The Markley Scholarship</i> , founded by Dr. Mary E. Markley, '02, in memory of her father, the Rev. A. B. Markley, D.D., '76,	4,500
<i>The Saint Mark's Scholarship</i> , 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
<i>The James W. Meminger Scholarship</i> , 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
<i>The Meyran Scholarship</i> , founded by Louis A. Meyran and his wife, Marie H. Meyran, of Grace Reformed Church, Pittsburgh, Pa.,	2,000
<i>The Miller Scholarship</i> , founded by Elmer E. and Erma Miller Steinbrunn, of Orwigsburg, Pa., in memory of Mrs. Steinbrunn's parents, Alfred M. and Pauline Miller,	1,000
<i>The D. Charles Murtha Fund</i> , founded under the will of D. Charles Murtha, '86,	19,949.32
<i>The Annie Neff Scholarship</i> , founded under the will of Annie Neff, of Alexandria, Huntingdon County, Pa.,	1,500
<i>The Martin B. Neff Scholarship</i> , 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
<i>The Noss Scholarship</i> , founded by Charles H. Noss, of York, Pa., in memory of his parents, William S. Noss and Emma S. Noss,	6,000
<i>The George Leslie Omwake Scholarship Fund</i> , founded by several hundred alumni and other friends of the sixth president of Ursinus College,	25,578.15
<i>The Omwake Memorial Scholarship</i> , founded by W. T. Omwake, Esq., of Waynesboro, Pa., as a memorial to his parents, Henry and Eveline Beaver Omwake,	2,000
<i>The Paisley Scholarship</i> , founded in honor of Mrs. Carrie Strassburger Paisley, of Trinity Reformed Church, Philadelphia,	2,000
<i>The Harry E. Paisley Scholarship</i> , founded by Harry E. Paisley, LL.D., of Trinity Reformed Church, Philadelphia,	5,000
<i>The John and Margaret Paisley Scholarship</i> , founded by John and Margaret Paisley, of Garden City, Long Island, N. Y.,	1,000
<i>The Saint Paul's, Lancaster, Scholarship</i> , founded by the congregation of Saint Paul's Reformed Church, Lancaster, Pa., the Rev. T. A. Alspach, D.D., '07, pastor,	2,000



<i>The Pennsylvania Female College Memorial Scholarship</i> , 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
<i>The Neri F. and Serena J. Peters Scholarship</i> , founded in memory of the Rev. and Mrs. Neri F. Peters by their children,	2,000
<i>The Jesse W. Roberts Memorial Scholarship</i> , founded by Charles V. Roberts, '32, in memory of his father,	5,500
<i>The Silas H. Rush Scholarship</i> , founded in memory of her parents, Mr. and Mrs. Silas H. Rush, by Mrs. E. R. Hoffman, of Philadelphia,	1,000
<i>The Scheer Memorial Scholarship</i> , 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
<i>The Jacob S. and Lucinda Schwartz Scholarship</i> , founded by the bequest of Jacob S. Schwartz, of Hanover, Pa.,	1,000
<i>The Schwenksville Community Scholarship</i> , founded by the citizens of Schwenksville, Pa.,	1,902
<i>The Jocelyn Xander Sheeder Scholarship</i> , established by the late S. Elizabeth Xander, of Philadelphia, Pennsylvania,	1,000
<i>The J. B. Shontz Memorial Scholarship</i> , 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
<i>The A. Lizzie Shreiner Scholarship</i> , founded under the will of A. Lizzie Shreiner, of Lancaster, Pa.,	1,350
<i>The Siebert Scholarship</i> , founded under the will of P. W. Siebert, of Pittsburgh, Pa.,	1,004
<i>The George S. Sorber Scholarship</i> , founded by the Rev. George S. Sorber, D.D., of York, Pa.,	2,000
<i>The Nathan Spangler Scholarship</i> , founded by Nathan Spangler, of York, Pa.,	1,000
<i>The Sprankle Scholarship</i> , founded under the will of Samuel Sprankle, of Altoona, Pa.,	2,000
<i>The Stauffer Memorial Scholarship</i> , 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
<i>The Harold D. and Edith C. Steinbright Scholarship</i> , founded by Mr. and Mrs. Harold D. Steinbright, of Cedars, Pa.,	5,000
<i>The Clementina R. Stewart Scholarship</i> , founded under the will of Clementina R. Stewart, of Myerstown, Pa.,	1,000
<i>The G. Leicester Thomas Scholarship</i> , founded by G. Leicester Thomas, of Adamstown, Md.,	5,000
<i>The Trinity Bible School Scholarship</i> , founded by the Bible School of Trinity Reformed Church, Philadelphia,	2,475
<i>The Trumbower Memorial Scholarship</i> , 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

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<i>The Abraham Wagner Scholarship</i> , founded under the will of Abraham Wagner, of the Robinson Church, Berks County, Pa.,	1,000
<i>The George A. Walker Scholarship</i> , founded under the will of George A. Walker, of Philadelphia, Pa.,	10,000
<i>The Wehr Scholarship</i> , founded in honor of the Rev. Calvin P. Wehr, D.D., '95, and Agnes E. Wehr, by their daughter, Florence A. Wehr,	8,000
<i>The George Wolff Scholarship</i> , founded by the Rev. George Wolff, D.D., of Myerstown, Pa.,	1,000

## LOAN FUNDS

Permanent funds have been established to provide loans to third-year and fourth-year students. Applications for loans should be addressed to the President of the College.

# *The Educational Program*

THE DEPARTMENTAL SYSTEM is employed in the organization and administration of instruction. By this system, the courses of instruction are offered in thirteen departments: Biology, Chemistry, Classics, Economics and Business Administration, English, German, Health and Physical Education, History, Mathematics, Physics, Political Science, Psychology, Romance Languages. The adviser is the medium of communication between the Faculty and students of his department. The approval of the adviser is necessary before a student may register for or enter upon any course of study, or discontinue any work.

A student, at matriculation, chooses the subject of major concentration he desires to pursue, and with the advice and consent of the adviser selects his studies for the year and reports his selection to the Dean on a blank provided for the purpose. A student who is uncertain on entering college as to his future plans, and therefor undecided as to his major field, may make a temporary choice and change at the end of the first year.

## CHOICE OF STUDIES

The work of every student is composed of three parts: (1) courses which are, in the judgment of the Faculty, essential to a liberal education and are required of all students before graduation; (2) courses required by the department in which the student is registered, and which comprise his major field of concentration; (3) elective courses chosen by the student as a means of further individualizing his course of study, and adapting it to his own intellectual tastes and future purposes.

## REGISTRATION

All students must register at the beginning of the Fall Term for the work of the Fall and Spring Terms. Changes in courses of study may be made during the first week of a term with the written approval of the adviser. After the first week, courses may be added or dropped only by joint permission of the Dean, the adviser, and the instructors involved. A fee of one dollar is charged for the registration of students on days other than those appointed in the College Calendar.



In registering, the student must present to his departmental adviser his complete list of studies, both prescribed and elected, for the *whole year*. Courses prescribed as degree or departmental requirements or to satisfy conditions must take precedence over and be scheduled before elective courses. When a student changes to another department, he must fulfill the requirements of that department in order to be graduated.

#### REQUIREMENTS FOR GRADUATION

The requirements 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 department 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 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 adviser, provided the student's average for the preceding term is eighty-five or higher (*Exception*: Engineering and Physical Education majors are permitted to schedule in each term three hours more than the normal maximum).

#### PRESCRIBED COURSES (REQUIRED OF ALL CANDIDATES FOR GRADUATION)

- English Composition 1-2
- English Composition 3-4
- English Literature 3-4, or 17, 18, or 19-20
- History 1-2
- Foreign Languages 1-2 or 3-4
- Biology 3-4, Chemistry 1-2, or Physics 1-2 (if prerequisites are satisfied)
- Economics 3, 4, or Political Science 1-2
- Psychology 1
- Philosophy (one semester)
- Physical Education 101-2 (No semester hour credit. Not required of students in the Physical Education Department)

# 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 WAGNER

PROFESSOR SNELL

ASSOCIATE PROFESSOR HUTCHISON

ASSOCIATE PROFESSOR GURZYNSKI

MISS FRETZ

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.*

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. HUTCHISON

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. WAGNER

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 not be given in 1952-53.

9-10. *Histology and Embryology.*

DR. WAGNER

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 and Evolution.*

DR. WAGNER

Designed to familiarize the student with the recent work in heredity and evolution and their 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 major fields.

15-16. *General Physiology.*

DR. WAGNER, DR. HUTCHISON

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.*

MISS FRETZ

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, the foetal pig and parts of the human cadaver. Three hours per week. *Four semester hours.*

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

## CHEMISTRY

PROFESSOR STURGIS

PROFESSOR PETTIT

ASSISTANT PROFESSOR STAIGER

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

1-2. *General Chemistry.*

MR. STAIGER

A development of the history, facts, and theories of the chemistry of the more com-



mon elements, including an introduction to organic and nutritional chemistry. This course is designed for non-science students and may not be substituted for course 1-2 by students planning to major in chemistry. Two hours of lecture and three hours of laboratory work per semester. *Six semester hours.*

1a-2a. *General Chemistry*

MR. STAIGER

The facts, theories, and laws of inorganic chemistry, covering the more common elements of the periodic system with their practical and industrial applications. This course is prerequisite to all other chemistry courses. Two hours of lecture and three hours of laboratory work per semester. *Six semester hours.*

14. *Inorganic Chemistry.*

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 three hours of laboratory work. *Six semester hours.*

7-8. *Organic Chemistry.*

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 5-6; 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. Prerequisites, Course 7-8 and German 3-4. One hour per week. *One semester hour.*

16. *Advanced Quantitative Analysis.*

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.*

21. *Seminar in Valence.*

MR. STAIGER

Selected topics dealing with the valence, resonance and isomerism of inorganic and organic compounds. One hour per week. *One semester hour.*

Course 21 will not be offered in 1953-54.

22. *Seminar in Organic Chemistry.*

MR. PETTIT

Reports on recent advances in Organic Chemistry. One hour per week. *One semester hour*

Course 22 will not be offered in 1953-54.

## CLASSICAL 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. *Beginning Greek.*

DR. BAKER

Six hours per week. *Six semester hours.*

Course 1 is elective for students in all major fields.

2. *Intermediate Greek.*

DR. BAKER

Three hours per week. *Three semester hours.*

3. *Xenophon and Similar Authors.*

DR. BAKER

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. Three hours per week. *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

The Gospel of St. Luke. Papers and lectures on Hellenistic religions. Three hours per week. *Three semester hours.*

## 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.*

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 AND BUSINESS ADMINISTRATION

PROFESSOR BOSWELL

PROFESSOR BONE

ASSOCIATE PROFESSOR HERBSLEB

MR. SYMONS

Students majoring in this department must take a minimum of thirty (30) semester hours of work in the department, including Courses 3 and 4, and twelve (12) semester hours of work in Political Science, including Course 1-2.

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.

3. *Economic Principles.*

DR. BOSWELL, MR. HERBSLEB, MR. SYMONS

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.

4. *Economic Problems.*

DR. BOSWELL, MR. HERBSLEB, MR. SYMONS

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.*

MR. SYMONS

A study of human relations arising from industrial organizations and the employers' part in bringing about industrial peace. Prerequisite, Courses 3, 4. Three hours per week. *Three semester hours.*



6. *Business Finance.*

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, Courses 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.*

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, 9. Three hours per week. *Three semester hours.*

11. *Fundamentals of Accounting.*

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.*

12. *Principles of Accounting.*

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.*

13. *Public Finance and Taxation.*

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.*

14. *Railway Transportation.*

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. Prerequisites, Courses 3, 4. Three hours per week. *Three semester hours.*

15. *Business Law.*

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 problems 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. Prerequisites, 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. 72.

## EDUCATION

PROFESSOR TYSON

PROFESSOR VANDERSLICE

ASSOCIATE PROFESSOR MINNICH

ASSISTANT PROFESSOR 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.*

DR. TYSON

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 and Education 2. Three hours per week during the first semester of the third year. *Three semester hours. (The same course as Psychology 5.)*

4. *Principles of Teaching and Learning.*

MR. MINNICH

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.*

MR. MINNICH, DR. VANDERSLICE

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.*

MR. MINNICH AND DR. VANDERSLICE

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

10. *Educational and Psychological Tests and Measurements.*

MR. HIRST

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 offered in the first term. *Three semester hours. (Same course as Psychology 6.)*

12. *The Teaching of Science in the Secondary School.*

DR. TYSON

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.*

22. *Teaching of History and the Social Studies in the Secondary Schools.* DR. VANDERSLICE  
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; co-operative planning and evaluation. Three hours per week. *Three semester hours.*

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

24. *Visual and Auditory Aids.*

MR. HIRST

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.*

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) individual 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 class room 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

ASSISTANT PROFESSOR DOLMAN  
 ASSISTANT PROFESSOR JONES  
 ASSISTANT PROFESSOR KERSHNER

Students majoring in English must take the following courses: English Literature 3-4; 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 strongly recommended for such students.

## COMPOSITION

1-2. *First Year English.*

DR. YOST, MR. DOLMAN, MR. JONES, DR. 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. PHILLIPS, MR. DOLMAN, MR. JONES, DR. 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.

5, 6. *Advanced Composition.*

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.*

7, 8. *Advanced Composition.*

MR. DOLMAN

Course 7 will be devoted to the study of descriptive writing. Course 8 will be conducted largely on a conference basis and will offer the student opportunity to practice his favorite type of composition, prose or verse. Enrollment in Course 8 is limited to twelve qualified students. Prerequisites, Courses 1-2 and 3, 4. Three hours per week. *Six semester hours.*

Course 5, 6 alternates with Course 7, 8. Course 7, 8 will not be given in 1953-54.

## LITERATURE

3-4. *Survey of English Literature.*

DR. PHILLIPS, MR. JONES, DR. KERSHNER

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 majoring in English and is elective for second-year students in other major fields.

5. *The English Essay. Eighteenth Century.*

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 students majoring in English and is elective for third-year and fourth-year students in other major fields.

6. *The English Essay, Nineteenth Century.*

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 majoring in English and is elective for third-year and fourth-year students in other major fields.

Courses 5 and 6 alternate with Courses 7 and 8. Courses 5 and 6 will not be given in 1953-54.

7. *English Poetry, 1790-1824.*

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.*

Course 7 is prescribed for third-year and fourth-year students majoring in English and is elective for third-year and fourth-year students in other major fields.

8. *English Poetry, 1824-1890.*

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 majoring in English and is elective for third-year and fourth-year students in other major fields.

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 majoring in English and are elective for third-year and fourth-year students in other major fields.

Courses 9 and 10 alternate with Courses 15 and 16. Courses 15 and 16 will not be given in 1953-54.

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 majoring in English and is elective in other major fields.

15. *Modern Poetry.*

DR. PHILLIPS

English poetry from 1890 to the present. Two hours per week. *Two semester hours.*

Course 15 is elective for all students.

16. *English Poetry, 1500-1660.*

DR. MCCLURE

The development of narrative and lyric poetry. Two hours per week. *Two semester hours.*

Course 16 is elective for all students.

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.

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.

19-20. *American Literature.*

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 majoring in English and is elective for second-year, third-year and fourth-year students in other major fields.

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.

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 majoring in English. Others are admitted only by special permission.

## FRENCH

See under *Romance Languages.*

## GERMANIC LANGUAGES

PROFESSOR HARTZELL

PROFESSOR RICE

## 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

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

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 9, 10 will not be offered in 1953-54.

11-12. *Scientific German.*

DR. RICE

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 11, 12 will not be offered in 1953-54.

13-14. *Oral and Written Composition.*

DR. RICE

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

21. *Teachers' Course.*

DR. RICE AND DR. HARTZELL

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.*

DR. RICE

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.*

DR. RICE

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 3-4 will not be offered in 1953-54.

## GREEK

See under *Classical Languages.*

## HEALTH AND PHYSICAL EDUCATION

PROFESSOR VANDERSLICE

ASSOCIATE PROFESSOR GURZYNSKI

PROFESSOR BAILEY

ASSISTANT PROFESSOR WIENEKE

PROFESSOR SNELL

MR. SPANGLER

ASSOCIATE PROFESSOR MINNICH

MRS. POLEY

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.* MISS SNELL  
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.* MISS SNELL  
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. (Second term.)*
6. *Methods of Health Instruction.* MISS SNELL  
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. (First term.)*
- 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.*
9. *Administration of Health, Physical Education, and Recreation.* MR. BAILEY  
A study of the administrative problems in health, physical education, and recreation. Three hours per week. *Three semester hours. (Second term.)*
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. (First term.)*
14. *Problems and Materials of Health and Safety Education in School Programs.* MR. WIENEKE  
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. POLEY  
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 certificate may be obtained by those who satisfy the requirements. Two hours per week. *One semester hour.*

17. *Care and Prevention of Athletic Injuries.*

MRS. POLEY

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.*

MR. GURZYNSKI

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.*

MR. BAILEY

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.*

MR. GURZYNSKI

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 partially fulfill present requirements for certification in Safety Education in Pennsylvania.

## 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 ex-*

cept those majoring in physical education, 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

ASSISTANT PROFESSOR 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.

1-2. *Medieval and Modern Europe.*

DR. ARMSTRONG, MR. DAVIS, MR. PARSONS

An introductory history 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. Two lectures and one section meeting 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.*

Course 3, 4 alternates with Course 7-8. Course 7-8 will not be offered in 1953-54.

5, 6. *Europe in the Nineteenth and Twentieth Centuries.*

DR. ARMSTRONG, 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.*

7-8. *England and the British Empire.*

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 1953-54.

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 majoring in history 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.

11, 12. *Seminar in American History.*

DR. ARMSTRONG, MR. DAVIS

Preparation and discussion of research papers in American history. Open to third- and fourth-year students majoring in history 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.*

13-14. *History of the Asiatic Mainland and the Pacific Islands.*

DR. E. H. MILLER

Three hours per week. *Six semester hours.*

Course 13-14 alternates with Course 21-22. Course 21-22 will not be offered in 1953-54.

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, DR. BAKER

In the first term an opportunity will be given to qualified students to make an intensive study of a particular historical subject of their own choosing. In the second term the seminar subjects will be in the field of Ancient history. Open to third- and fourth-year students majoring in history 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.*

19. *French Civilization.*

MR. PARSONS

Same course as French 5. Two hours per week. *Two semester hours.*

20. *History of the United States and Pennsylvania.*

MR. PARSONS

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 majoring in history 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 1953-54.

23. *Russia.*

MR. PARSONS

Political and social history of Czarist and Soviet Russia. Two hours per week. *Two semester hours.* Course 23 alternates with Course 25. Course 25 will not be offered in 1953-54.

24. *Diplomatic History of the United States.*

MR. DAVIS

A study of American diplomacy from the treaty of 1783 to the present including an analysis of the various factors which determine that policy: public opinion, population, world markets, and international organization. Three hours per week. *Three semester hours.*

Course 24 alternates with Course 26. Course 24 will not be offered in 1953-54.

25. *Canada.*

DR. ARMSTRONG

The development of the Canadian people from colonial status to nationhood. Two hours per week. *Two semester hours.*

Course 23 alternates with Course 25. Course 25 will not be offered in 1953-54.

26. *World Geography.*

MR. DAVIS

Extensive study of the major regions of the world. The purpose is to analyze each from the standpoint of climate, natural resources, and economic problems, and to give the student a fairly detailed knowledge of the physical geography of the regions. Three hours per week. *Three semester hours.*

Course 26 alternates with Course 24. Course 24 will not be offered in 1953-54.

## ITALIAN

See under *Romance Languages*.

## LATIN

See under *Classical Languages*.

## MATHEMATICS

PROFESSOR MANNING

PROFESSOR DENNIS

ASSISTANT PROFESSOR SCHULTZ

A student majoring in mathematics will take mathematics 1a, 2a and 3-4 in the first year; Mathematics 5-6 and Physics 1-2 (to satisfy the general requirement in science) in the second year.

1, 2 *College Algebra, Trigonometry and Analytic Geometry.* DR. DENNIS, MISS SCHULTZ

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

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

DR. MANNING

For students majoring in mathematics and physics and for those interested in Engineering. It presupposes a mastery of the high school courses in algebra and trigonometry. Mathematics 3-4 (Analytic Geometry) is to be taken concurrently. Three hours per week. *Six semester hours.*

3-4. *Plane and Solid Analytic Geometry.*

DR. DENNIS

Functions and graphs; fundamental theorems on distance, angle, area; linear functions; polynomial functions; rational functions; transformations; conics; higher plane curves; curve fitting; space curves and surfaces; planes and lines in space. Three hours per week. *Six semester hours.*

5-6. *Differential and Integral Calculus.*

DR. MANNING

Functions and limits; theory of the derivative and differential; applications of the derivative to problems in maxima and minima, time rates and motion, tangents, normals, and curvature; approximations; evaluation of limits; partial derivatives; theory of integration; geometric and physical applications of integration; multiple integration; infinite series. Three hours per week. *Six semester hours.* Prerequisite, Course 1a, 2a or Course 1, 2.

Students majoring in mathematics must elect a minimum of twelve additional hours from the following courses.

7. *Differential Equations.*

DR. MANNING

Solution of first order and first degree equations; linear equations of higher order; complementary and particular solutions; integrating factors; operators; applications in the fields of chemistry and physics. Three hours per week. *Three semester hours.* Prerequisite, Course 5-6.

8. *Theory of Equations.*

DR. MANNING

Complex numbers; roots of higher degree equations; determinants; matrices; symmetric functions. Three hours per week. *Three semester hours.* Prerequisite, Course 5-6.



9-10. *Advanced Calculus.*

DR. DENNIS

Elementary functions for complex values and Taylor's series; partial differentiation and implicit functions; vector analysis; integration and multiple integration; line integrals; Gamma functions; elliptic integrals; Legendre polynomials and Bessel functions; Fourier series. Three hours per week. *Six semester hours.* Prerequisite Course 5-6.

11-12. *Mathematics of Finance.*

MISS SCHULTZ

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; elements of life insurance. Two hours per week. *Four semester hours.*

13-14. *Mathematical Statistics.*

DR. MANNING

Statistical methods of studying data from the fields of economics, education, and the natural sciences; graphs; averages; dispersion; probability; index numbers; curve fitting; analysis of time series; correlation; quality control; production control; analysis of variance. Two hours per week. *Four semester hours.*

15. *Theory of Numbers.*

DR. DENNIS

Theory of Primes and divisibility conditions; simple continued fractions; congruences; Fermat's Theorem; Wilson's Theorem; quadratic residues; reciprocity law; linear indeterminate problems; Diophantine equations. Three hours per week. *Three semester hours.* Prerequisite Course 5-6.

16. *Theory of Finite Groups.*

DR. DENNIS

Fundamental theorems of finite groups; permutation groups; groups of movement; Abelian groups; prime-power groups; isomorphisms and the composition-series; groups of linear substitutions; Galois fields and their application to finite geometries; Galois theory of equations. Three hours per week. *Three semester hours.*

Courses 15, 16 alternate with Courses 17, 18. Courses 17, 18 will not be given in 1953-54.

17. *Modern Geometry.*

DR. DENNIS

Similarity; Theorem's of Ceva and Menelaus; Desargues' Theorem; points, lines and circles related to the triangle; Brocard's configuration; coaxal circles; inversion; poles and polars; cross-ratio; involution; Pascal's and Brianchon's Theorems; ruler and compass constructions. Three hours per week. *Three semester hours.*

18. *Teachers' Course.*

DR. DENNIS

History of mathematics; logical aspects of mathematical systems; principal methods of presentation of mathematical topics; examination of the contents of standard high school courses; this course is designed to develop an appreciation of the role mathematics has played in the development of civilization and to perfect the technique of presentation of subject matter. Three hours per week. *Three semester hours.*

19. *Finite Differences.*

DR. MANNING

Numerical calculus; difference tables; difference equations; successive approximations; starter and corrector formulas; gamma and digamma functions; mechanical quadrature. Three hours per week. *Three semester hours.*

20. *Probability.*

DR. MANNING

Simple and compound probability; repeated trials; runs; normal curve approximation;

Bertrand's paradox; de Mere's problem; St. Petersburg problem. Three hours per week. *Three semester hours.*

Courses 19, 20 alternate with courses 21, 22. Courses 21, 22 will not be given in 1953-54.

21. *Vector Analysis.*

DR. DENNIS

Elementary vector algebra and calculus with applications to geometry and physics; scalar and vector fields; gradient; divergence; curl; Divergence Theorem; Green's Theorem; Stokes' Theorem; coordinate systems and transformation theory; non-euclidean manifolds. Three hours per week. *Three semester hours.* Prerequisite, Course 5-6.

22. *Theory of Functions of a Complex Variable.*

DR. DENNIS

Algebra of complex numbers; analytic functions; Cauchy-Riemann equations; conformal mapping; integrals of complex functions; Cauchy's Theorem; power series; Taylor's Theorem; Laurent's Theorem; residues and poles; transformations; analytic continuation; Riemann surfaces. Three hours per week. *Three semester hours.* Prerequisite, Course 5-6.

23, 24, 25, 26. *Problems.*

MISS SCHULTZ

A weekly set of problems from various fields. This course may be begun in any term and continued for as many as four terms. One hour per week. *One semester hour for each term.* Prerequisites Course 3-4 and Course 5-6.

27-28. *Astronomy.* See Physics, Course 11-12.

## 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.*

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.*

Course 5-6 alternates with Course 3-4. Course 3-4 will not be offered in 1953-54.

7-8. *Double Counterpoint, Fugue, and Canon.*

DR. PHILIP

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

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.*

Course 9-10 alternates with Course 7-8. Course 7-8 will not be given in 1953-54.

11-12. *Orchestration.*

DR. PHILIP

Symphonic scoring through practical study; the study of the instruments of the orchestra and their relationship to the above. One hour per week. *Two semester hours.*

## B. APPRECIATION OF MUSIC

13-14. *Appreciation of Music.*

DR. PHILIP

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. *Four semester hours.*

## C. HISTORY OF MUSIC

15-16. *History of Music.*

DR. PHILIP

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

17-18. *Opera and Orchestral Music.*

DR. PHILIP

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

19. *The Music Dramas of Richard Wagner.*

DR. PHILIP

An intimate discussion and the detailed analysis of Wagner's works. Two hours per week. *Two semester hours.*

Course 19 alternates with Course 17-18. Course 17-18 will not be given in 1953-54.

## D. MUSICAL ORGANIZATION

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 orchestra. 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.*

DR. MATTERN

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.*

2. *Modern Philosophical Problems.*

DR. MATTERN

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.*

DR. MATTERN

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.*

4. *History of Modern Philosophy.*

DR. MATTERN

This course is a continuation of Course 3, beginning with Descartes and tracing the modern development to present philosophical tendencies. Prerequisite, Course 3. Three hours per week. *Three semester hours.*

5. *Ethics.*

DR. MATTERN

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.*

6. *Logic.*

DR. MATTERN

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

ASSISTANT PROFESSOR 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; 5-6; 9-10; 21, 22; Chemistry 1a-2a, 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 21, 22.

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 5-6 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.

3. *Mechanics: Statics and Dynamics.*

DR. HEILEMANN

Plane and space force systems; concurrent forces; moments; center of gravity. Friction; equilibrium of a rigid body; kinematics. Newton's Laws. Work and Energy. Harmonic motion; curvilinear motion; projectiles. D'Alembert's Principle; moment of inertia; rotation about a fixed axis; torsion pendulum. Compound pendulum; coupled systems. Prerequisite, Mathematics 5-6. Three hours lecture and three hours laboratory per week. *Four semester hours.*

4. *Electricity and Magnetism.*

MR. SNYDER

Gauss's Theorem; potential; capacity; electric and magnetic circuit; Kirchhoff's Laws; inductance; alternating currents; electrical machinery; elements of electronics. Prerequisite, Mathematics 5-6. Three hours lecture and three hours laboratory per week. *Four semester hours.*

5. *Optics.*

MR. MARSTELLER

Image formation; systems 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.*

6. *Sound.*

DR. HEILEMANN

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.*

7-8. *Atomic Physics.*

DR. HEILEMANN

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 5-6. Three hours per week. *Six semester hours.*

7a-8a. *Laboratory in Atomic Physics.*

MR. SNYDER

Laboratory work (optional) for Course 7-8. Three hours per week. *Two semester hours.*

9-10. *Special Topics.*

DR. HEILEMANN, MR. SNYDER, MR. MARSTELLER

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 5-6 and two years of college physics. Credit according to work done.

11-12. *Astronomy.*

MR. MARSTELLER

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. *Four semester hours.*

14. *Alternating Currents*

MR. SNYDER

Capacitative and self-inductive circuits; mutual induction; the alternating-current circuit; alternating current power and power factor; divided circuits; application



of complex numbers; electro-magnetic waves. Prerequisites, Physics 4 and Mathematics 5-6. Three hours per week. *Three semester hours.*

## DRAFTING AND DESCRIPTIVE GEOMETRY

### 1. *Drafting*

MR. MARSTELLER

Freehand lettering, use of instruments, geometric construction, freehand sketching, orthographic projection including auxiliary views, sectioning, axonometric projection. Oblique projection, intersections, developments, fasteners, dimensioning, working drawings, shop processes, reproduction methods, graphs. Six hours laboratory per week. *Three semester hours.*

### 2. *Descriptive Geometry*

MR. MARSTELLER

Principles of projection, problems involving the essential relations of points, lines and planes; surfaces of revolution, warped surfaces, intersections, developments. Six hours laboratory per week. *Three semester hours.*

## POLITICAL SCIENCE

PROFESSOR E. H. MILLER

ASSOCIATE PROFESSOR PANCOAST

ASSOCIATE PROFESSOR HERBSLEB

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 sixteen (16) hours of Political Science (Political Science 5, 6 and ten 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.

### 1-2. *American Government.*

MR. PANCOAST, MR. HERBSLEB

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.

### 3. *Municipal Government and Administration.*

MR. PANCOAST

The legal power and position of the city in our political system. Thorough consideration of forms and activities of city government. 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.*

7. *Modern Political Theories.*

DR. E. H. MILLER

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

8. *Constitutional Law.*

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.*

10. *Public Administration.*

MR. PANCOAST

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 and international relations. Two hours per week. *Four semester hours.*

Open only to third year and fourth year students.

13-14. *Seminar in Political Science.*

DR. E. H. MILLER

International law. The case study method. Two hours per week. *Four semester hours.* Open only to third-year and fourth-year students.

Course 11-12 alternates with Course 13-14. Course 11-12 will not be offered in 1953-1954.

## PSYCHOLOGY

PROFESSOR TYSON

ASSISTANT PROFESSOR 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 3 or 4. In the first year Biology 3 is to be taken; in the second year Psychology 1, 8, and Biology 11-12; in the third year Psychology 5; and Mathematics 15-16; in the fourth year Psychology 4, 6, 10, 12.

1. *Elementary Psychology.*

DR. TYSON, MR. HIRST

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.

4. *Social Psychology.*

MR. HIRST

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.*

DR. TYSON

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 and Education 2. Three hours per week during the first semester of the third year. *Three semester hours (The same course as Education 3.)*

6. *Educational and Psychological Tests and Measurements.*

MR. HIRST

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 5. Three hours per week. *Three semester hours. (The same course as Education 10.)*

8. *Abnormal Psychology and Mental Hygiene.*

DR. TYSON

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.*

MR. HIRST

For majors in psychology. This course will cover materials of general psychology not included in Psychology 1. *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.*

MR. HIRST

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, employe 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

ASSISTANT PROFESSOR KERSHNER

3-4. *Public Speaking.*

DR. KERSHNER

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.*

DR. KERSHNER

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 who have completed Public Speaking 3-4, or who have been members of the Debating Club for at least one year. 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 extra-curricular debating society without (necessarily) being enrolled in Course 5-6.

## RELIGION

ASSOCIATE PROFESSOR CREAGER

PROFESSOR BAKER

PROFESSOR ARMSTRONG

PROFESSOR MATTERN

1. *Introduction to the Literature of the Bible.*

MR. CREAGER

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.*

MR. CREAGER

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

Course 4 alternates with Course 6. Course 4 will not be offered in 1953-54.

6. *History of the Christian Church.*

MR. CREAGER

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 not be offered in 1952-53.

The following related courses are recommended to students interested in the study of religion.

## HISTORY

3. *The Age of the Reformation.*

DR. ARMSTRONG

Three hours per week. *Three semester hours.*

## PHILOSOPHY

5. *Ethics.*

DR. MATTERN

Three hours per week. *Three semester hours.*

## PHILOSOPHY

7. *Philosophy of Religion.*

MR. CREAGER

Three hours per week. *Three semester hours.*

## GREEK

8. *New Testament Greek.*

DR. BAKER

Three hours per week. *Three semester hours.*

## HISTORY

11. *Seminar in Church History.*

DR. ARMSTRONG

Two consecutive hours per week. *Two semester hours.*

Will not be offered in 1953-54.

## ROMANCE LANGUAGES

PROFESSOR WILCOX

ASSOCIATE PROFESSOR GARRETT

MR. PARSONS

MR. ROBERTS

## FRENCH

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.*

MR. ROBERTS

Three hours per week. *Six semester hours.*

3-4. *Intermediate French.*

DR. GARRETT

Three hours per week. *Six semester hours.*

Prerequisite: Course 1-2 or equivalent (i.e., satisfactory completion of two or more years of French in secondary school).

3a-4a. *Intermediate French.*

DR. GARRETT

For students planning further work in French. Three hours per week. *Six semester hours.*

Prerequisite: Same as for Course 3-4.

5, 6. *Survey of French Civilization and Literature.*

MR. PARSONS, MR. ROBERTS

Two hours per week. *Four semester hours. (French 5 is the same course as History 19.)*

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 Pléiade, Montaigne.*

MR. WILCOX

Two hours per week. *Two semester hours.*

8. *Corneille, Racine.*

MR. WILCOX

Two hours per week. *Two semester hours.*

9. *Molière.*

MR. WILCOX

Two hours per week. *Two semester hours.*

10. *Voltaire, Rousseau.*

MR. WILCOX

Two hours per week. *Two semester hours.*

Courses 7, 8 alternate with Courses 9, 10. Courses 7, 8 will not be offered in 1953-54.

11-12. *French Literature 1800-1860.*

DR. GARRETT

Three hours per week. *Six semester hours.*

Courses 11-12 alternate with Courses 13-14. Courses 13-14 will not be offered in 1953-54.

13-14. *French Literature since 1860.* DR. GARRETT  
Three hours per week. *Six semester hours.*

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

16. *Oral French.* MR. WILCOX  
Two hours per week and additional laboratory work. *Two semester hours.*

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

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

#### ITALIAN

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

1-2. *Elementary Italian.* MR. ROBERTS  
Three hours per week. *Three semester hours.*  
Course 1-2 will not be offered in 1953-54.

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

#### SPANISH

Students whose major subject is Spanish must meet the following departmental 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.* MR. WILCOX  
Three hours per week. *Six semester hours.*

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

Prerequisite: Course 1-2 or equivalent (i.e., satisfactory completion of two or more years of Spanish in secondary school).

3a-4a. *Intermediate Spanish.* MR. ROBERTS  
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.* MR. WILCOX  
Two hours per week. *Two semester hours*

6. *Commercial Spanish.* DR. GARRETT  
Two hours per week. *Two semester hours.*



7. *Modern Spanish Literature.* MR. WILCOX  
Two hours per week. *Two semester hours.*
8. *Spanish Literature of the Golden Age.* MR. WILCOX  
Two hours per week. *Two semester hours.*  
Courses 7, 8 alternate with Course 9-10. Courses 9, 10 will not be offered in 1953-54.
- 9-10. *Spanish American Literature.* MR. WILCOX  
Two hours per week. *Four semester hours.*
- 13-14. *Advanced Composition and Conversation.* MR. WILCOX  
Three hours per week. *Six semester hours.*  
Courses 5, 6 alternate with Courses 13-14. Courses 5, 6 will not be offered in 1953-54.
21. *Romance Languages.* MR. WILCOX  
Preparation for teaching Spanish. For third-year students. Three hours per week.  
*Three semester hours.*

## RUSSIAN

PROFESSOR HARTZELL

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

- 1-2. *Elementary Russian.* DR. HARTZELL  
Three hours per week. *Six semester hours.*
- 3-4. *Intermediate Russian.* DR. HARTZELL  
Reading of representative authors in Russian. Three hours per week. *Three semester hours.*  
Course 1-2 alternates with Course 3-4. Course 3-4 will not be offered in 1953-54.

## SOCIOLOGY

DR. J. A. MILLER

1. *Introduction to Sociology.* DR. J. A. MILLER  
A course designed to give the student a more scientific understanding of man's social nature and of the social world in which he lives. In addition to fundamental concepts and theories particular attention is focused on problems arising from race relations and personality disorganization. *Not open to freshmen.* Three hours per week. *Three semester hours.*
2. *Introduction to Sociology.* DR. J. A. MILLER  
A continuation of Sociology 1. Problems to which particular attention is given include urbanization, the family, and crime and delinquency. Prerequisite, Course 1. Three hours per week. *Three semester hours.*

## SPANISH

See under *Romance Languages*

## SWEDISH

See under *Germanic Languages*

# Departmental Requirements

## BIOLOGY

Adviser—PROFESSOR WAGNER

First Year		Second Year		Third Year		Fourth Year	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Philosophy	3	Bio. 7-8, or 9-10	8
Language	6	Eng. Lit. 3-4 (or equiv.)	4	Psychology	3	Bio. 11-12	4
Hist. 1-2 or Chem. 1a-2a, 14	6 or 8	Language 3-4 (if not completed)	6	Pol. Sci. 1-2 or Ec. 1-2	6	Bio. 6 (if not pre-professional)	3
Bio. 3-4	6	Chem. 1a-2a, 14 or Hist. 1-2	8 or 6	Bio. 9-10 or 7-8	8	Elective	13
Math. 1-2	6	Physics 1-2	8	Bio. 17-18	4		
Phys. Ed. 101-102	—	Elective	4	Elective	6		
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	30 or 32		32 or 30		30		28

## CHEMISTRY

Adviser—PROFESSOR STURGIS

First Year		Second Year		Third Year		Fourth Year	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Econ. 3-4 or Pol. Sci. 1-2	6	Philosophy	3
Hist. 1-2	6	Eng. Lit. 3-4	4	Chem. 5-6	6	Psychology	3
Fr. or Ger. 1-2 or 3-4	6	Fr. or Ger. 3-4 (if not completed)	6	Chem. 7-8	8	Chem. 9-10	8
Chem. 1a-2a	6	Chem. 3-4	6	Physics 1-2	8	Chem. Seminar	1
Chem. 14	2	Math. 5-6	6	Ger. 11-12	4	Elective	11
Math. 1-2	6	Bio. 3-4	6				
Phys. Ed. 101-102	—						
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	32		30		32		26

## CLASSICS

Adviser—PROFESSOR BAKER

First Year		Second Year		Third Year		Fourth Year	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Pol. Sci. 1-2 or Econ. 3-4	6	Philosophy	3
Hist. 1-2	6	Eng. Lit. 3-4	4	Latin or Greek	6	Greek 7	3
Greek 1-2	9	Science	6	Elective	18	Latin or Greek	3
Latin 1-2 or 3, 4 or 5, 6	6	Psych. 1	3			Elective	21
Elective	3	Greek 3-4	6				
Phys. Ed. 101-102	—	Latin	6				
	<hr/>	Elective	3				
	30		30		30		30

## ECONOMICS AND BUSINESS ADMINISTRATION

Adviser—PROFESSOR BOSWELL

First Year		Second Year		Third Year		Fourth Year	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Psych. 1	3	Philosophy	3
Hist. 1-2	6	Eng. Lit. 3-4 (or equiv.)	4	Pol. Sci. 3, 4	6	Econ. 8, 17, 21 (Ec.)	(9)
Language	6	Language 3-4 (if not completed)	6	Econ. 15, 19 (Acct.)	6	or 13, 15 (Fin.)	(6)
Science	6	Pol. Sci. 1-2	6	or 10, 14 (Ec.)	6	or 20 (Acct.)	(2)
Econ. 3-4	6	Econ. 6, 11, 12 (Acct.)	(9)	or 11, 12 (Fin.)	6	Electives to complete	
Phys. Ed. 101-102	—	or 9 (Ec.)	(3)	or 23, 22 (Ind. Rel.)	(6)		
	<hr/>	or 6, 9, 10 (Fin.)	(9)	Math. 13, 14 (Fin. or Acct.)	(4)		
	30	or 5, 18 (Ind. Rel.)	(6)	Econ. (Any courses)			
		Electives (3), (9) or (6)		(Acct.)	(8)		
				(Ec.)	(6)		
				(Fin.)	(3)		
				(Ind. Rel.)	(12)		
				Electives to complete			
	<hr/>		<hr/>		<hr/>		<hr/>
	30		30		30 s.h.		30 s.h.

ENGLISH

Adviser—PROFESSOR YOST

First Year		Second Year		Third Year		Fourth Year	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Philosophy	3	Eng. Lit. 7, 8 or 5, 6	6
Hist. 1-2	6	Eng. Lit. 3-4	4	Eng. Lit. 5, 6 or 7, 8	6	Eng. Lit. 9, 10 or 19-20	6
Science	6	Eng. Lit. 11-12	4	Eng. Lit. 19-20 or 9, 10	6	Elective	18
Language	6	Language 3-4	6	Hist. 9-10	6		
Econ. 3-4 or	6	(if not completed)	6	Elective	9		
Pol. Sci. 1-2	6	Psych. 1	3				
Phys. Ed. 101-102	—	Hist. 7-8	6				
		Elective	5				
	30		30		30		30

GERMAN

Adviser—PROFESSOR HARTZELL

First Year		Second Year		Third Year		Fourth Year	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Ger. 5-6 (if not completed)	6	Ger. 9, 10 or 7, 8	4
Hist. 1-2	6	Eng. Lit. 3-4	4	Ger. 7, 8 or 9, 10	4	Ger. 11, 12 or 13, 14	4
Science	6	Psych. 1	3	Ger. 11, 12 or 13, 14	4	Ger. 13, 14 or 11, 12	4
Ger. 1-2 or 3-4	6	Philosophy	3	Swedish 1-2, or Russian 1-2	6	Swedish 3-4 or Russian 3-4	6
Other language 1-2 or 3-4	6	Econ. 3-4 or Pol. Sci. 1-2	6	Eng. Lit. 7, 8 or 9, 10	6	Eng. Lit. 9, 10 or 7-8	6
Phys. Ed. 101-102	—	Ger. 3-4 or 5-6	6	Elective	4	Elective	10
		Other language 3-4 (if not completed)	6				
	30		30		30		30

HEALTH AND PHYSICAL EDUCATION

Adviser—PROFESSOR VANDERSLICE

First Year		Second Year		Third Year		Fourth Year	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Econ. 3-4 or Pol. Sci. 1-2	6	Philosophy	3
History 1-2	6	Eng. Lit. 3-4 or equiv.)	4	Soc. 1	3	History 20	3
Language, Foreign	6	Language 3-4 (if not completed)	6	Bio. 17-18	4	Ed. 5	8
Biology 2, 3	6	Chem. 1-2	6	Ed. 3, 4	6	Phys. Ed. 9, 10	6
Phys. Ed. 1, 2	4	Psych. 1	3	Ed. 7	4	Phys. Ed. 19, 20	5
Phys. Ed. 201-202	4	Ed. 2	3	Phys. Ed. 5, 6	4	Phys. Ed. 22	2
		Phys. Ed. 3, 14	5	Phys. Ed. 7, 8	4	Phys. Ed. 207-208	4
		Phys. Ed. 203-204	4	Phys. Ed. 16, 17	2		
				Phys. Ed. 205-206	4		
	32		33		36		31

HISTORY

Adviser—DEAN ARMSTRONG

First Year		Second Year		Third Year		Fourth Year	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Philosophy	3	History	8
Hist. 1-2	6	Eng. Lit. 3-4 (or equiv.)	4	Sociology	3	Elective	22
Science	6	Language 3-4 (if not completed)	6	Hist. 9-10	6		
Language	6	Psych. 1	3	Hist. Seminar	2		
Pol. Sci. 1-2	6	Econ. 3-4	6	Elective	16		
Phys. Ed. 101-102	—	Hist. 5-6	6				
		Elective	3				
	30		30		30		30

MATHEMATICS

Adviser—PROFESSOR MANNING

First Year		Second Year		Third Year		Fourth Year	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Philosophy	3	Math.	6
History 1-2	6	Eng. Lit. 3-4 (or equiv.)	4	Psych. 1	3	Electives	22
Language	6	Language 3-4 (if not completed)	6	Math.	6		
Math. 1a-2a	6	Econ. 3-4 or Pol. Sci. 1-2	6	Electives	18		
Math. 3-4	6	Physics 1-2	8				
Phys. Ed. 101-102	—	Math. 5-6	6				
	30		32		30		28



## PHYSICS

Adviser—PROFESSOR HEILEMANN

First Year		Second Year		Third Year		Fourth Year	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Econ. 3-4 or		Philosophy 5	3
Language	6	Eng. Lit. 3-4	4	Pol. Sci. 1-2	6	Physics 7-8	6
Physics 1-2	8	Language 3-4		Psych. 1	3	Physics 7a-8a	2
Math. 1a-2a	6	(if not completed)	6	Physics 5, 6	8	Math. 21, 22	6
Math. 3-4	6	History 1-2	6	Math. 9, 10	6	Electives	8
		Physics 3, 4	8	Chem. 1a-2a	6		
		Math. 5-6	6	Chem. 14	2		
	32		32		31		25

## POLITICAL SCIENCE

Adviser—PROFESSOR E. H. MILLER

First Year		Second Year		Third Year		Fourth Year	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Philosophy	3	Pol. Sci.	6
Hist. 1-2	6	Eng. Lit. 3-4		Sociology 1-2	6	Elective	24
Science	6	(or equiv.)	4	Hist. 9-10	6		
Language	6	Language 3-4 (if not		Pol. Sci.	6		
Pol. Sci. 1-2	6	completed)	6	Elective	9		
Phys. Ed. 101-102	—	Psych. 1	3				
		Econ. 3-4	6				
		Pol. Sci. 5-6	6				
		Elective	3				
	30		30		30		30

## PSYCHOLOGY

Adviser—PROFESSOR TYSON

First Year		Second Year		Third Year		Fourth Year	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Sociology 1-2	6	Philosophy	3
History 1-2	6	Eng. Lit. 3-4		Math. 13-14	4	Psych. 6, 4	6
Language	6	(or equiv.)	4	Econ. 3-4 or		Psych. 10	4
Bio. 3-4	6	Language 3-4 (if		Pol. Sci. 1-2	6	Psych. 12	3
Econ. 3-4 or		not completed)	6	Psych. 5	3	Electives	14
Pol. Sci. 1-2	6	Psych. 1, 8	6	Electives	11		
Phys. Ed. 101-102	—	Bio. 11-12	4				
		Electives	8				
	30		30		30		30

## ROMANCE LANGUAGES

## FRENCH

Adviser—PROFESSOR WILCOX

First Year		Second Year		Third Year		Fourth Year	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Econ. 3-4 or		Electives	30
Hist. 1-2	6	Eng. Lit. 3-4	4	Pol. Sci. 1-2	6		
Science	6	Psych. 1	3	Philosophy	3		
Fr. 3a-4a	6	Fr. 5, 6	4	Hist. 3-4	6		
Latin 1-2, or 3, 4	6	Fr. 9, 10 or 15, 16	4	Fr. 11-12 or			
Phys. Ed. 101-102	—	Latin 3, 4 (if not		13-14	4		
		completed)	6	Fr. 9, 10 or 15, 16	4		
		Elective	7	Elective	7		
	30		30		30		

## SPANISH

Adviser—PROFESSOR WILCOX

First Year		Second Year		Third Year		Fourth Year	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Econ. 3-4 or		Electives	30
History 1-2	6	Eng. Lit. 3-4	4	Pol. Sci. 1-2	6		
Science	6	Psych. 1	3	Philosophy	3		
Spanish 3a-4a	6	Spanish 5	2	History 3-4	6		
Latin 1-2 or 3-4	6	Latin 3-4 (if		Spanish 7, 8	4		
Phys. Ed. 101-102	—	not completed)	6	Spanish 13-14	6		
		History 21-22	6	Elective	5		
		Elective	7				
	30		30		30		

FIVE YEAR COMBINED LIBERAL ARTS — ENGINEERING PROGRAM  
URSINUS COLLEGE AND THE UNIVERSITY OF PENNSYLVANIA

Adviser—DEAN ARMSTRONG

PLAN I FOR ELECTRICAL, CIVIL OR MECHANICAL ENGINEERS

<i>First Year</i>		<i>Second Year</i>		<i>Third Year</i>		<i>Fourth and Fifth Years</i>	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Hist. 1-2	6	to be completed at the	
Language 3-4	6	Eng. Lit. 3-4	4	Econ. 3-4	6	University of Pennsylvania.	
Chem. 1a-2a	6	Psych. 1	3	Physics 7-14	8		
Physics 1-2	8	Philosophy	3	Math. 7	3		
Math. 1a	3	Physics 3-4	8	Math. 9-10	6		
Math. 3-4	6	Drafting	3	Elective	6		
Phys. Ed. 101-102	—	Descrp. Geom.	3				
		Math. 5-6	6				
	35		32		35		

PLAN II FOR CHEMICAL OR METALLURGICAL ENGINEERS

<i>First Year</i>		<i>Second Year</i>		<i>Third Year</i>		<i>Fourth and Fifth Years</i>	
Eng. Comp. 1-2	6	Eng. Comp. 3-4	2	Philosophy	3	to be completed at the	
Chem. 1a-2a	6	Eng. Lit. 3-4	4	Psych. 1	3	University of Pennsylvania.	
Language 3-4	6	Hist. 1-2	6	Econ. 3-4	6		
Chem. 1a	2	Chem. 3-4	6	Chem. 5-6	6		
Math. 1a	3	Physics 1-2	8	Physics 3-4	8		
Math. 3-4	6	Drafting	3	Math. 7	3		
Elective	3	Math. 5-6	6	Math. 9-10	6		
Phys. Ed. 101-102	—						
	32		35		35		

# Prizes, Honors and Degrees

AWARDED IN 1952

## PRIZES

- The Philip H. Fogel Memorial Prize—Mary C. French Doughty, '52  
The Robert Trucksess Prize—Morton B. Brown, '52  
The Paisley Prizes—Janice M. Christian, '52; Robert E. Emrich, '53  
The Elizabeth Rockefeller McCain Prize—No award this year.  
The Duttera Prize—Mary A. Gillespie, '55, Robert E. Boyer, '52  
The Ursinus Women's Club Prize—Marguerite E. Spencer, '52  
The Ursinus Circle Prize—Audrey E. Harte, '53  
The Ellen Beaver Schlaybach Memorial Prize—Barbara J. Crawford, '52  
The Rosicrucian Prize—Carol A. Morgan, '55  
The Edwin M. Fogel Prize—Anne Neborak, '53; H. Elwood Williams, '53  
The George Ditter Prize—William F. Beemer, '52; Robert B. Rosenberger, '52  
The George W. Kehl Prize—Robert G. Davis, '53  
The I. Calvin Fisher Prize—Marjorie H. Mersfelder, '53  
The Leibensperger Character Award—Jenepher W. Price, '54  
The Elizabeth B. White Prize—Sara A. Weirich, '52  
The Thomas Jefferson Williams Prize—Jeremy O. Sweeton, '52  
The Boeshore Prizes—Paul A. Merki, '52; No award for women this year.

## HONORS

### DEPARTMENTAL HONORS

*Biology:* Daniel McLeod Burnside  
Adelle Virginia Michels  
*Chemistry:* Norman Nathan Cohen  
*Economics:* Karl Linford Loesch  
Jeremy Ogilvie Sweeton

*French:* Ann Margaret Knauer  
*History:* Morton Bernard Brown  
*Mathematics:* Marjorie Bunting Donaldson  
*Political Science:* William Frederick Beemer

### GRADUATION HONORS

*Valedictorian:* Barbara Jane Crawford

*Salutatorian:* Marjorie Bunting Donaldson

### MAGNA CUM LAUDE

Barbara Jane Crawford  
Doris Louise Fite

Marjorie Bunting Donaldson

### CUM LAUDE

Suzanne Boyd  
Morton Bernard Brown  
Norman Nathan Cohen  
Dorothy Wynn Detwiler  
Philip Stanley Green

Jane Madora Hartzel Henderson  
Katharine Ann Loman  
Adelle Virginia Michels  
Ann Gilbert Royer  
E. Jane Perreten Shinehouse

Sara Ann Weirich



## DEGREES, 1952

## DOCTOR OF DIVINITY (HONORARY)

J. Otto Reller  
Wayland Zwayer

## DOCTOR OF LAWS (HONORARY)

Edwin Dagobert Bransome  
James Creese  
Joseph Lees Eastwick  
Donald Lawrence Helfferich  
Stewart Ellwood Lauer  
Albert J. Nesbitt

## MASTER OF ARTS

Walter Bruce Elliott  
John Edward Davies  
Morrell Edward Grigg  
Kenneth Brendlinger Oelschlager  
John Ratledge Powell

## MASTER OF SCIENCE

Robert John Callahan  
Donald Earl Young

## BACHELOR OF ARTS

Phyllis Hope Baumann  
Laura Ann Bechtle  
William Henry Beckley  
William Frederick Beemer  
Millard Joseph Bekmezian  
John Melville Billman  
Stanley Jay Blake  
Rhoda Blumenthal  
Jean Eleanor Bohner  
Suzanne Boyd  
Alice Jane Boyer  
Robert Edward Boyer  
Donald Raymond Brown  
Morton Bernard Brown  
Alvin John Buchanan, Jr.  
William Clayton Buchanan  
Emily Jeanne Careless  
Harry Irvin Carl  
Julia LaPorte Carson  
Barbara Jane Crawford  
Donald Tyler Crispin  
Claude Robert Dearolf  
Alfred William Degerberg  
Paul Larrabee Doughty  
Harry Millard Downs  
Eleanore Coale Dunn  
Jonathan Dickinson Dunn  
John Michael Ehnott  
Charles Edward Fach, Jr.  
Robert Wilson Fehnel  
Harold Edward Feist, Jr.

Nelson Miles Fellman, Jr.  
Frank Joseph Ferry  
William R. Fischer  
Doris Louise Fite  
Richard Gardner Fohl  
Ronald Alan Frankel  
Sylvain Gobes  
Jacqueline Graf  
Thomas Lenford Halton  
Clara Ruth Hamm  
Edwin Percy Harned, Jr.  
Roland William Heinel, Jr.  
Jane Madora Hartzel Henderson  
Robert Minor Henderson  
Carolyn Rebecca Herber  
David Gilbert High  
Jack William Humbert  
John Paul Irwin  
Marie Elizabeth Janson  
Paul Marshall Jones  
Edwin Leonard Klein  
Ann Margaret Knauer  
Esther Else Knobel  
Joanne Barbara Kuehn  
Joseph Clyde Lambert  
William James LeKernech  
Karl Linford Loesch  
Donald Smith MacKenzie  
Donald St. John Malven  
Kenneth Albert Mammel  
Sonia Marie Marcussen

Edna Campbell Markey  
 Harry Morris Markley  
 Nancy Ann Matterness  
 Marion Lois Matteson  
 Grace Elizabeth Matthews  
 Thomas Bell McAvoy, 3rd  
 Paul Albert Merki  
 Theodore Roosevelt Miller  
 John Joseph Mullahy  
 Eugene Anthony Pascucci  
 Ambrose Burden Peterman  
 Richard John Radel  
 David Sylvester Reice  
 Carl Henry Reifeis  
 Benjamin Franklin Rittenhouse, Jr.  
 Ernest Albin Roemer, Jr.  
 Frances May Rose  
 Robert Bruce Rosenberger  
 Edward Thomas Ruch

Elizabeth Louise Scheirer  
 Frank Schultz, Jr.  
 Peter N. K. Schwenk, III  
 Thomas John Shaw  
 Dorothy Esther Shirtz  
 Franklin Michael Staurowsky  
 Jeanette Michele Stewart  
 Charles Raymond Summers  
 Charles William Sweetley  
 Jeremy Ogilvie Sweeton  
 Jack Lewis Terndrup  
 Ralph Richard Thomas  
 Richard Burr Watson  
 Sara Ann Weirich  
 David Blair Winther  
 Elaine Marie Woodworth  
 Mary Bader Yost  
 Loren Jacob Zimmerman

## BACHELOR OF SCIENCE

Joseph Anthony Benenati  
 Marianne Borkey  
 Samuel James Brown, Jr.  
 Richard Alan Buckwalter  
 Daniel McLeod Burnside  
 Janice Marie Christian  
 Jeanne Whiting Cilley  
 Norman Nathan Cohen  
 Jacob Salvatore Colletti  
 Thomas Gale Davis, Jr.  
 James DeLuca  
 Roger Wayne deMars  
 Dorothy Wynn Detwiler  
 Lane Kent Dewees  
 Marjorie Bunting Donaldson  
 Arthur Manfred Dostrow  
 John Ray Edelman  
 Jerome William Eisenberg  
 Herbert Jay Ely  
 Joan Farquhar  
 Ruth Myrtle Feidler  
 William Graham Ferry, Jr.  
 Peter Bernard Fisher  
 Mary Catharine French  
 Frederic Jay Friedlin  
 Joan Kirby Green  
 Philip Stanley Green  
 Stanley Gross  
 Watson Aloysius Gutowski  
 Beryl Mary Hall  
 Henry Raymond Hallman  
 Joanne Elaine Heckman  
 Nancy Jean Henrich  
 Ellis Edward Hirshman  
 Margaret Lorna Hooper  
 Lois Ann Johnson

Marian Elizabeth Johnson  
 Elaine Katherine Kerr  
 Patricia Anne Kiebler  
 Richard Anthony Kisonas  
 Robert John Krause  
 Robert Max Kreamer  
 Jeanne McQue Kuhn  
 William Joseph Lampeter  
 Saul Weiss Lande  
 Barbara Patricia Landis  
 Jean Taylor Leety  
 Warren Mayer Levin  
 Hermann Alfred Lintner  
 Katharine Ann Loman  
 Wilmer Fielding Loomis, Jr.  
 Mary-Jo Lucas  
 Richard Eli Ludwig  
 Shirley Jane MacKinnon  
 Robert Lee Meckelburg  
 Gordon Weed Mella  
 Edward William Mewing  
 Adelle Virginia Michels  
 Erwin Thomas Musko  
 Spero Peter Nemphos  
 Leonard Niesenbaum  
 Thomas Woolford Pattison  
 William Harold Poore  
 Charles Platt Pritchard  
 Ann Gilbert Royer  
 Mykola Saporoschenko  
 Martha Daniels Scheirer  
 Howard Boyd Schellhase  
 Louis Schneier  
 Mary Charlotte Schoenly  
 Ernest Carlton Schultz  
 Albert Charles Selke, Jr.

Marjorie Jean Sellick  
 William Shakin  
 Ruth Anna Sharp  
 E. Jane Perreten Shinehouse  
 Robert Russell Shinehouse  
 Marguerite Elsie Spencer  
 Barbara Ruth Staggs  
 Charles Jay Stahl, III

Franklin Milton Stein  
 Jerry Summers  
 Harry Mason Swartz  
 Joseph Alphonzo Talocci  
 William Warren Van Horn  
 Donna Lucille Webber  
 Shirley Louise Weidknecht  
 Joan Woodruff Wimberg

### 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 representation of five members in the Board of Directors. These members are nominated by the Association and serve five years.

#### OFFICERS FOR 1952-1953

*President*—Dr. Kermit Black, 116 S. 6th Street, Perkasio, Pa.

*Vice President*—Carroll L. Rutter, Esq., 152 High Street, Pottstown, Pa.

*Secretary-Treasurer*—Marjorie Shaffer Krug, 744 Main Street, Trappe, Pa.

#### URSINUS ALUMNI ASSOCIATION OF YORK

*President*—John F. Rauhauser, Jr., 46 Clinton Street, York, Pa.

*Vice President*—Robert A. Reichley, 323 N. Hartley Street, York, Pa.

*Secretary*—Dorothy Krusen Barnes, 1607 Clover Lane, Hillcroft, York, Pa.

*Treasurer*—John H. Musser, 425 Fahs Street, York, Pa.

#### URSINUS ALUMNI ASSOCIATION OF NEW YORK

*President*—Isabel Rickley Bateman, 331 Park Ave., Manhasset, N. Y.

*Vice President*—R. Ray Williams, Apt. 3, 278 Magnolia Ave., Jersey City, N. J.

*Secretary*—Helen Rogalinski Theurer, 601 W. 56th Street, New York 19, N. Y.

*Treasurer*—J. Wilbur Clayton, 39 Johnson Rd., West Orange, N. J.

#### URSINUS ALUMNI ASSOCIATION OF BERKS COUNTY

*President*—Dr. E. Karl Houck, 1324 Hampden Blvd., Reading, Pa.

*Secretary*—Dorothy Seitz, 235 Oak Terrace, Mt. Penn, Reading, Pa.

#### URSINUS ALUMNI ASSOCIATION OF PHILADELPHIA

*President*—Paul I. Guest, Esq., 228 Crosshill Rd., Penn Wynne, Philadelphia 31, Pa.

*Vice President*—Floyd E. Justice, Jr., 406 Fitzwatertown Rd., Willow Grove, Pa.

*Secretary*—Mary Alice Lovett, 844 Edmonds Ave., Drexel Hill, Pa.

*Treasurer*—Raymond Dippel, 6604 N. Sixth Street, Philadelphia 26, Pa.

#### URSINUS ALUMNI ASSOCIATION OF LEHIGH VALLEY

*President*—Anne E. Hughes, 426 E. Franklin St., Slatington, Pa.

*Vice President*—Helen Walbert Kichline, 115 S. 14th St., Allentown, Pa.

*Secretary*—Mildred B. Hahn, 2810 Jewel St., Easton, Pa.

*Treasurer*—R. Maxwell Paine, 17 S. Second St., Slatington, Pa.



# List of Students, 1952-1953

Aamot, Ann Silverin	Clifton, N. J.	Bock, George L. Fowler	Collegetville
Abrahamson, Marjorie Louise	Springfield	Booth, Fred Cooper	Yeadon
Abramson, Edward Anton	Philadelphia	Bowers, James Dallas	Philadelphia
Ackerman, Constance	Havertown	Bowman, Richard Earl	Upper Darby
Adams, Donald Dean	Cedars	Boyd, Adele Pack	Glenside
Adams, William Howard	Ringtown	Boyer, Martin	Far Rockaway, N. Y.
Addis, Hunter Marsden	Collegetville	Brandau, Betty Lee	Easton
Addis, Todd Howard Lentz	Collegetville	Bream, Gwenn Suzanne	Gettysburg
Aden, Melvin Oldham	Austin, Texas	Breuninger, Evelyn Rose	Melrose Park
Aeckerle, Kathleen Jane	Philadelphia	Brier, Joan Lois	Staten Island, N. Y.
Alameno, Carmen John	Atlantic City, N. J.	Bright, James William, Jr.	Cleveland, Ohio
Albright, Richard Paul	Gilbert	Brodhead, Betsy Jane	Lansdowne
Allebach, Donald Lee	Skippack	Brokaw, Robert Trone	Bound Brook, N. J.
Allen, Marlette	Schwenksville	Brosious, James Christian E.	Mauch Chunk
Allen, Mary Jane	Allentown	Brown, Frank Patterson, Jr.	Philadelphia
Allen, Richard Schwarz	Lansdale	Brown, James Warren	Yerkes
Anderson, Bruce Murray	Reading	Brown, Sanford MacLean, Jr.	York
Anderson, John William	Carlisle	Brown, Leonard Phillips	Wilmington, Del.
Angstadt, Paul Norman	Norristown	Brown, Sheldon Charles	Philadelphia
Angstadt, Paul Evans	West Lawn	Brown, Stuart Barry	Philadelphia
Arbela, Bingen	Collegetville	Burger, William Radcliffe	Philadelphia
Aregood, John M., Jr.	Orwigsburg	Burns, Patricia Ann	Audubon, N. J.
Armstrong, Robert Edward	Norristown	Byers, William Bartolet, Jr.	Lansdowne
Aucott, George William, Jr.	Philadelphia	Byrnes, Philip L.	Chester
Ault, Elizabeth Anne	Philadelphia	Campbell, Jean Marie	Upper Darby
Austin, Jean Elizabeth	Hammonton, N. J.	Canan, Sarah Virginia	Philadelphia
Ayre, Thomas III	Bethlehem	Canfield, Dennis Warren	Collegetville
Baas, Fred C.	Perkiomenville	Carbaugh, Lois F.	New Oxford
Baltz, Richard David	Springfield	Carlin, Thelma Rachel	Brooklyn, N. Y.
Bankert, Eleanor Louise	Littlestown	Carson, Nancy	Hillside, N. J.
Barndt, Richard Arlen	Bethlehem	Carter, Andrew Godfrey	Ambler
Barnhardt, Alberta Louise	Annville	Carter, Edythe Lois	Woodstown, N. J.
Barron, June Ann	Springtown	Chalmers, Russell Robert	Oreland
Bauser, Ruth Grace	Manhasset, N. Y.	Chalson, Paul	East Islip, N. Y.
Beach, Leslie Myatt	Bridgeton, N. J.	Chantler, Edwin R.	Collegetville
Beemer, Morgan B.	Clarks Summit	Chapis, Nicholas John	Upper Darby
Belz, Elsie Ruth	Haddon Heights, N. J.	Cheesman, John Richard	Mt. Holly, N. J.
Bennett, Herbert F.	Clifton Heights	Cherry, Priscilla Ann	Hatboro
Berger, Joyce Elaine	Annandale, N. J.	Clair, Henry Stephen	Philadelphia
Bergmann, Nancy Helene	Camden, N. J.	Clark, Albert Theodore	Merrick, N. Y.
Beringer, Mary Reba	Stratford, N. J.	Clayton, Barbara Elizabeth	Philadelphia
Berman, Stanley Lawrence	Bradley Beach, N. J.	Cloud, Elinor Mildred	Swarthmore
Bernhard, Robert Albert	Philadelphia	Coburn, Mary Hope	Flourtown
Beyerline, Elizabeth Mae	Norristown	Collfesh, Stanley Marvin	Eagleville
Bickel, Robert Clifton, Jr.	Collegetville	Compton, Joan Elaine	Harrisburg
Billman, Karl David	Harrisburg	Conestrina, Elizabeth Ann	Harrisburg
Bintrner, Joseph Walter	Philadelphia	Condon, Patricia Grace	Philadelphia
Bistremovitz, Lillian	Yonkers, N. Y.	Conlin, Frederick Joseph	Philadelphia
Bjornsson, Barbro Erika	Easton	Constable, George Robert	Philadelphia
Blanzaco, André Charles	Philadelphia	Conti, John Joseph	Wayne
Blood, Robin Mary	Haddonfield, N. J.	Cooke, Carolyn Lou	Schenectady, N. Y.
Bobrin, Yale Robert	Philadelphia	Costello, Edward Francis, Jr.	Gulph Mills
		Cox, Gerry White, Jr.	Phoenixville

Coxon, Norma Jane	Philadelphia	Feist, Richard Allan	Norristown
Cramton, Donald Benjamin	Jenkintown	Feldt, Marna	Fair Haven, N. J.
Cranston, John Peleg	Willow Grove	Fellows, Floyd George, Jr.	Flushing, N. Y.
Crawford, Lois V.	Upper Darby	Feucht, Kathryn Anna	Berlin, N. J.
Crigler, William Robert	Los Angeles, Cal.	Feulner, Harry Reager	Phoenixville
Dalby, Russell L.	Philadelphia	Field, Alan Chester	Conshohocken
Dare, Paul Muta	Audubon, N. J.	Fisher, Joan Elizabeth	Madison, N. J.
Dattilo, Bruno Frank	Atlantic City, N. J.	Fisher, Ronald Marvin	Bridgeton, N. J.
Davis, Howard Lester	Upper Darby	Fisher, Robert Granville	Madison, N. J.
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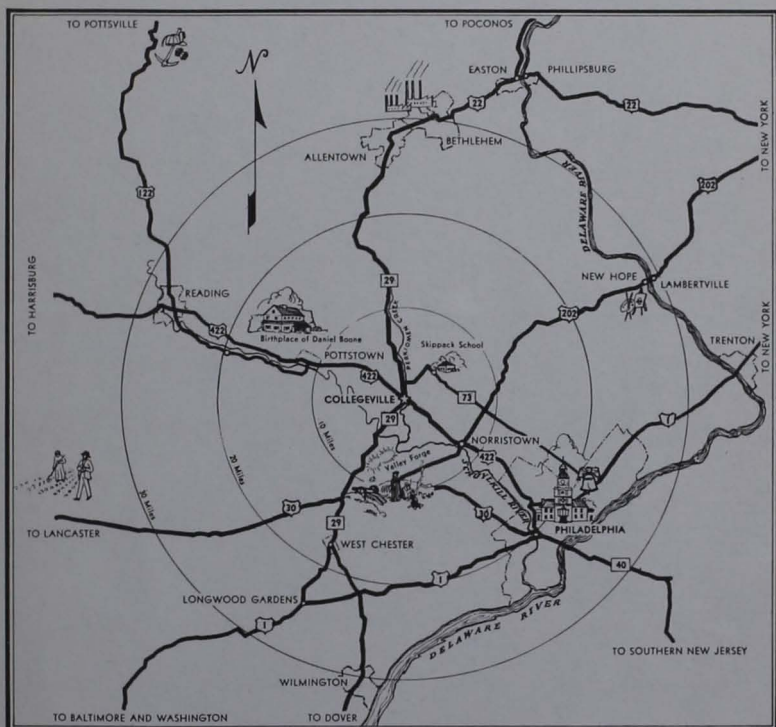


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Ursinus College is located in Collegeville, a borough in Montgomery County, Pennsylvania, twenty-five miles northwest of Philadelphia. U. S. Route 422 and Pennsylvania State Highway 29 intersect at Collegeville. It may be reached conveniently from Philadelphia by means of trains of the Pennsylvania, Reading, or Philadelphia and Western (69th Street Terminal) railroads to Norristown, Pennsylvania, from where buses leave hourly for Collegeville.